



# Pomona<sup>®</sup>

**ELECTRONICS**

Professionals Trust  
Pomona Performance



Test and Measurement  
Calibration  
RF  
Audio / Video / Broadcast  
Automotive  
Telecom

**2013**

**RoHS**

[www.pomonaelectronics.com](http://www.pomonaelectronics.com)

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# Table of Contents

2

For over half a century the name Pomona Electronics has been synonymous with reliability and outstanding value.



We are proud to have built our reputation for the delivery of quality products by using only the finest materials available and designing to match real world applications... where you live — everyday. Pomona Electronics is proud to be there, at your side.

<b>3</b>	<b>New Products</b>
<b>5</b>	<b>Customized Products</b>
<b>6</b>	<b>Coaxial Cable Assemblies and Breakouts</b>
<b>17</b>	<b>RF Coaxial Connectors, Adapters and Kits</b>
<b>33</b>	<b>Banana Plugs and Jacks</b>
<b>44</b>	<b>Patch Cords and Test Leads</b>
<b>52</b>	<b>Calibration Kit</b>
<b>53</b>	<b>Boxes and Enclosures</b>
<b>59</b>	<b>DMM Accessories and Kits</b>
<b>73</b>	<b>Grabbers and Test Clips</b>
<b>76</b>	<b>SMD/Micro Format Test</b>
<b>80</b>	<b>Oscilloscope Probes and Accessories</b>
<b>83</b>	<b>Audio/Video/Broadcast</b>
<b>88</b>	<b>Automotive</b>
<b>89</b>	<b>IC Test Clips and Adapters</b>
<b>91</b>	<b>Static Control Products</b>
<b>93</b>	<b>Telecom Products</b>
<b>98</b>	<b>Index</b>
<b>103</b>	<b>Technical Support</b>

## Jumper Test Leads and Terminal Jacks for Nuclear Applications



**Models 73084, 73085, 73086, 73087, 73088**

Pomona two-part jumpers and connectors are helping nuclear power plants streamline testing procedures and improve human performance by providing a higher-level of quality, reliability and utility than what they were using before. By integrating a common set of connectors and a consistent color scheme into their procedures and peer check processes, plant technicians reduce the risk of placing jumpers on the wrong terminals and causing an event that could shut the plant down.

For more information, please visit our “Articles” section on *nuclear applications* at [www.pomonaelectronics.com](http://www.pomonaelectronics.com)

*Shown on page 37 and 48*



## CK73041 Calibration Accessory Kit

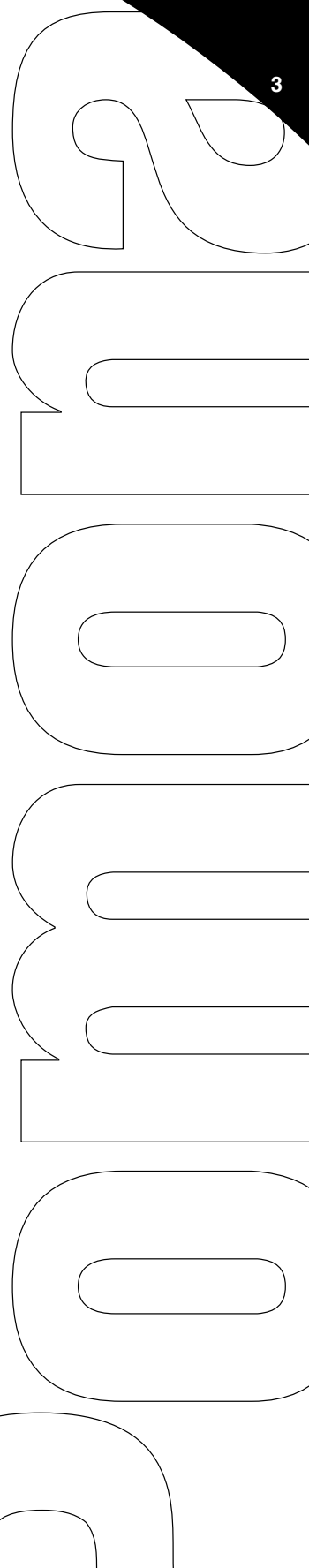


The Pomona CK73041 Calibration Kit includes the major connectors and test cables you need for instrument calibration in a comprehensive kit. Versatile adapters and flexible cables greatly expand the variety of test cables you can create, reducing the number of special-purpose patch cords and connectors needed for calibration applications.

### Perfect for:

- Field calibration
- Outfitting a new technician or lab
- Comprehensive replacement of important connectors and leads

*Shown on page 52*



Pomona's quality connectors and test accessories are the one answer you need when a reliable signal is demanded.



### For Distributor Locations:

United States and International  
[www.pomonaelectronics.com](http://www.pomonaelectronics.com)

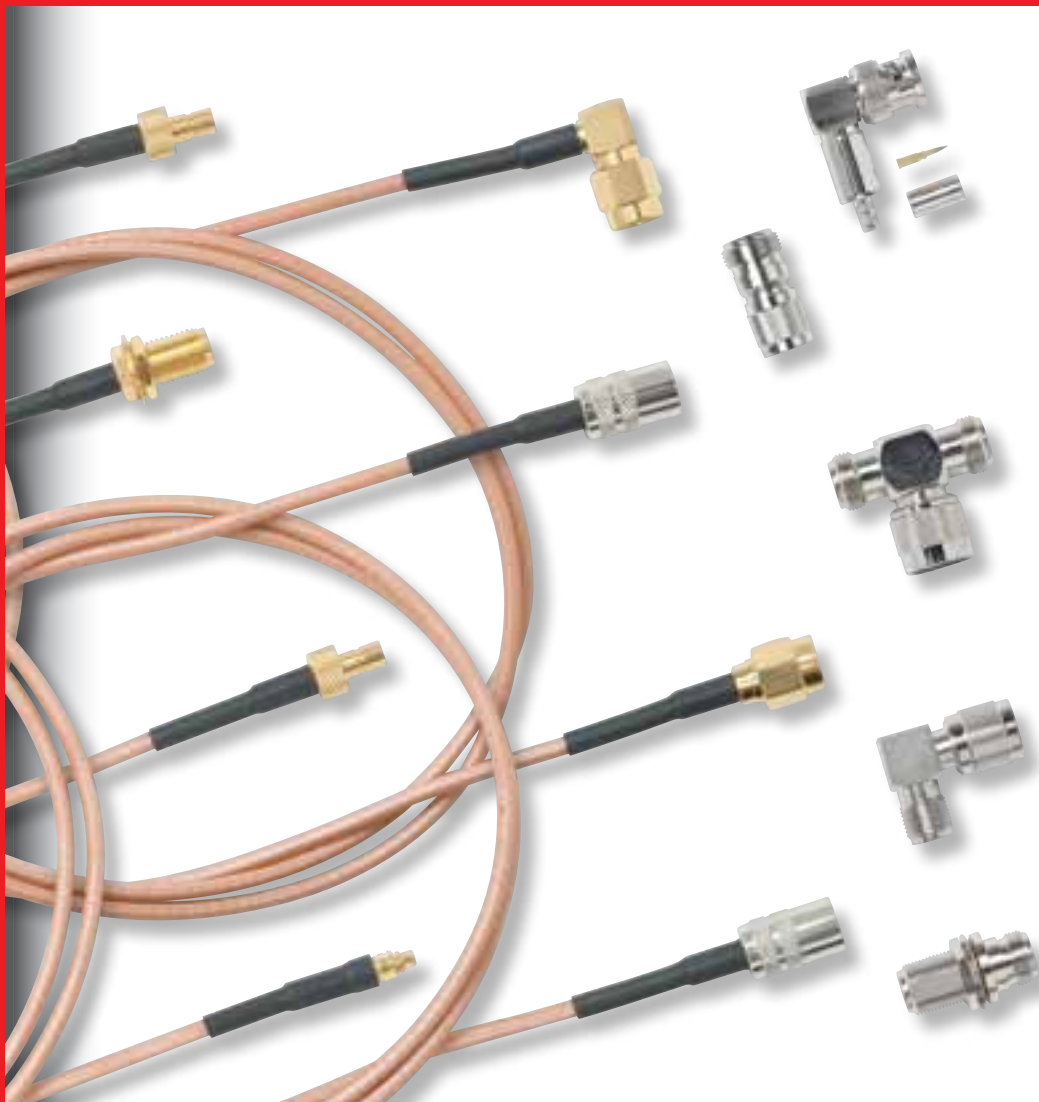
Europe  
[www.pomona.cc](http://www.pomona.cc)

### Technical Support

U.S.  
[technicalsupport@pomonatest.com](mailto:technicalsupport@pomonatest.com)

Europe  
+31(0) 40 2675 150

Rest of World  
1-425-446-5500



## Expanding the Selection of RF Cable Assemblies and Connectors



Pomona has introduced 23 new RF cable assemblies that include smaller SMA, SMB, MCX and MMCX connectors, as well as 19 new RF connectors that include BNC, TNC, N Type and UHF. The smaller cable assemblies and connectors are designed for professionals working with applications where bandwidth and low signal loss are critical.

### Who can use these cables and connectors:

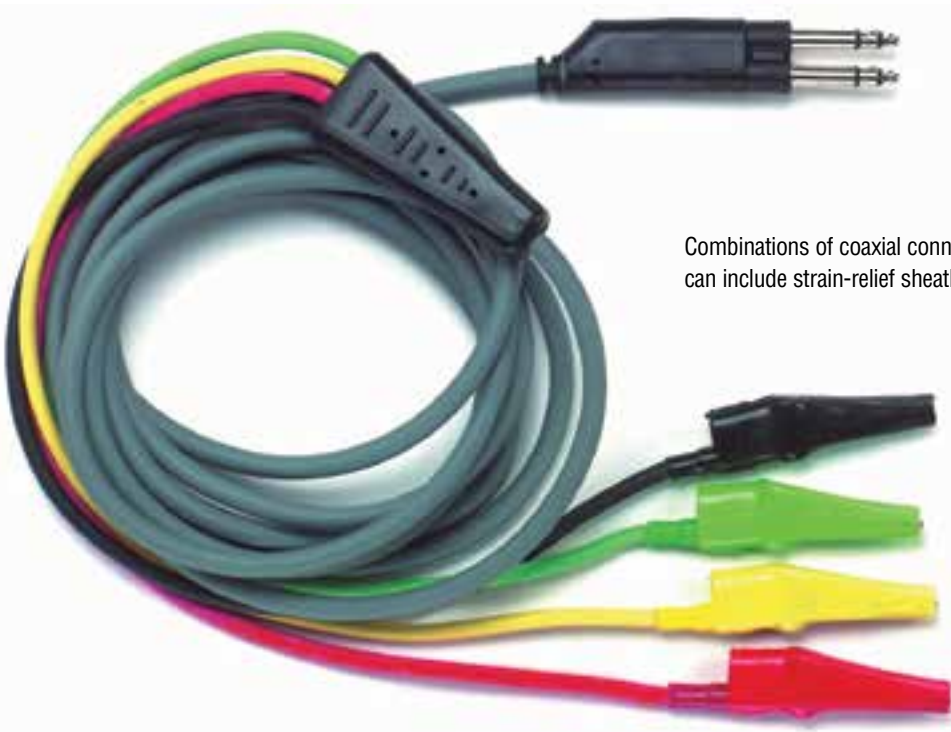
- Electrical and electronics engineers and technicians
- OEM (original equipment manufacturers)
- Communications technicians
- Instrumentation technicians
- Process control technicians

*Shown on page 9-12, 21, 29, and 32.*

# Customized Products

Pomona responds to a wide range of special or custom requirements by providing accessories tailored to your needs. Whether we simply modify an existing catalog product or create a unique combination of products, we use only the finest materials to deliver top quality products.

Think of the possibilities! You can now define your own custom product or kit made of many combinations of cables, wires, connectors, or probes in this catalog. Can't find the length or color you need? Pomona makes it easy. Want a unique combination of connectors and cables you just can't find anywhere? Just ask Pomona!



Combinations of coaxial connector/adaptor assemblies can include strain-relief sheathing, marking and lengths.

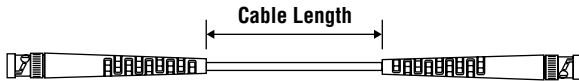
To order your Pomona Product, please select **[Custom Products]** and fill out the request form on our Pomona Electronics website.

# Coaxial Cable Assemblies and Breakouts

Pomona is the professional's choice, whether in the lab, plant or in the field. Using high-quality materials such as beryllium copper, gold and nickel plating ensures the precision you rely on. With a huge selection of cables and breakouts offering almost every connector and clip combination, Pomona provides you the solution for any application.

## How to Order

**Example:** A 48in (1.2m) coaxial cable assembly with matching BNC (m) ends, stress relief boots on RG58 C/U, 50Ω cable.

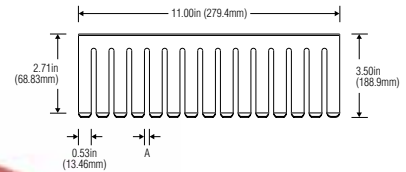


Typical Pomona Part Number: 2249-C-48  
 Cable Type \_\_\_\_\_  
 Cable Length in Inches (Measured Inside Connectors) \_\_\_\_\_

Model#	Length
2249-C-12	12.0in (0.3m)
2249-C-24	24.0in (0.6m)
2249-C-36	36.0in (0.9m)
2249-C-48	48.0in (1.2m)
2249-C-60	60.0in (1.5m)

## Cable Assembly Holders

Model#	Color	"A" Max Cable Dia.	Number of Slots
1508	Orange	0.210in (5.33mm)	14
4408	Black	0.320in (8.13mm)	10
2708	Blue	0.450in (11.43mm)	9



## Technical Specifications for Wire and Cable

Cable Designation	Type	Impedance Ω	Capacitance per 1ft/ 0.304m	Insulation/Dielectric	AWG	Stranding Strands X AWG	Wire Type	Jacket Material	Cable O.D.	Shield	Temperature (w/o connectors)
A	twisted pair, 2 conductor	NA	27.0 pf	PVC	18	65X36	TC	PVC	0.25in (6.35mm)	NA	-4 to 221°F (-20 to +105°C)
C	Coax, RG58C/U	50	32.2 pf	PE	20	19X33	TC	PVCNC	0.195in (4.95mm)	TCB	-40 to 185°F (-40 to +85°C)
E	Coax, RG59B/U	75	22.0 pf	PE	23	Solid	BCCS	PVCNC	0.242in (6.15mm)	BCB	-40 to 140°F (-40 to +60°C)
J	Microphone, 2 conductor, shielded	90	18 / 32 pf*	PE	22	16X34	TC	PVC	0.231in (5.84mm)	TCB	-40 to 176°F (-40 to +80°C)
K	Coax, RG174/U	50	30.8 pf	PE	26	7X34	BCCS	PVC	0.110in (2.79mm)	TCB	-40 to 167°F (-40 to +75°C)
T	Coax, RG214/U	50	30.8 pf	PE	13	7X22	SPC	PVCNC	0.425in (10.8mm)	SCCB/SCCB	-40 to 176°F (-40 to +80°C)
X	Coax, RG142B/U	50	29.0 pf	TFE	18	Solid	SPCCS	FEP	0.195in (4.05mm)	SPC/SPC	-94 to 392°F (-70 to +200°C)
Y	Coax, RG223/U	50	30.8 pf	PE	19	Solid	SPC	PVCNC	0.212in (5.38mm)	SCB/SCB	-40 to 140°F (-40 to +60°C)
BB	Coax, RG316/U	50	29.0 pf	TFE	26	7X37	SPCCS	FEP	0.096in (2.44mm)	SPC	-94 to 392°F (-70 to +200°C)
SS	Coax, RG58/U, low noise	50	37.0 pf	CPE / PE	22	7X30	TC	PVC	0.195in (4.95mm)	BAF/TCB	-40 to 176°F (-40 to +80°C)
UU	Coax, RG178B/U	50	29.0 pf	PTFE	16	7X.1	SPCCS	FEP	0.071in (1.8mm)	SPC	-67 to 311°F (-55 to +155°C)
V	Coax, RG59/U	75	20.4 pf	PE	23	Solid	BCCS	PVC	0.242in (6.15mm)	BCB	-40 to 176°F (-40 to +80°C)
VV	Coax, RG179B/U	75	19.5 pf	PTFE	12	7X.1	SPCCS	FEP	0.100in (2.54mm)	SPC	-67 to 311°F (-55 to +155°C)
Triaxial	Coax, RG 58A/U, double shielded	50	30.8 pf	PE / PE	20	7X28	TC	PVC	0.240in (6.10mm)	TCB / TCB-40	-40 to 167°F (-40 to +75°C)

\* Capacitance between conductors / Capacitance between conductor and shield

AWG = American Wire Gauge  
 BAF = Bonded Aluminum Foil Polyester Tape  
 BCB = Bare Copper Braid  
 BCCS = Bare Copper Covered Steel  
 CPE = Conductive Polyethylene

FEP = Fluorinated Ethylene Propylene  
 OD = Outside Diameter  
 NA = Not Applicable  
 PE = Polyethylene  
 PVC = Polyvinyl Chloride

PVCNC = Polyvinyl Chloride Non Contaminating  
 SCB = Silver Coated Braid  
 SPC = Silver Plated Copper  
 SCCB = Silver Coated Copper Braid

SPCCS = Silver Plated Copper Covered Steel  
 SSPE = Semi-Solid Polyethylene  
 TC = Tinned Copper  
 TCB = Tinned Copper Braid  
 TFE = Tetrafluoroethylene

**BNC Male Cable with Molded Strain Relief**



**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*, +122°F (+50°C) max., ("Y" Cable 176°F (+80°C)).

**BNC:** *Body*: tarnish resistant nickel-plated brass; *Center Contact*: gold-plated brass; *Dielectric*: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

See chart on page 6 for additional wire and cable specifications.

Length	50Ω Cable O.D. .195in (4.95mm) RG58C/U	50Ω Cable O.D. .206in (5.23mm) RG223	75Ω Cable O.D. .242in (6.15mm) RG59B/U	50Ω Cable O.D. .100in (2.54mm) RG174/U	50Ω Cable O.D. .195in (4.95mm) RG58C/U
.5ft (0.2m)	2249-C-6	–	2249-E-6	2249-K-6	–
1ft (0.3m)	2249-C-12	2249-Y-12	2249-E-12	2249-K-12	–
2ft (0.6m)	2249-C-24	2249-Y-24	2249-E-24	2249-K-24	–
3ft (0.9m)	2249-C-36	2249-Y-36	2249-E-36	2249-K-36	–
4ft (1.2m)	2249-C-48	2249-Y-48	2249-E-48	2249-K-48	–
5ft (1.5m)	2249-C-60	2249-Y-60	2249-E-60	2249-K-60	5266-C-60
6ft (1.8m)	2249-C-72	2249-Y-72	2249-E-72	2249-K-72	–
8ft (2.4m)	2249-C-96	2249-Y-96	–	2249-K-96	–
10ft (3.0m)	2249-C-120	2249-Y-120	2249-E-120	2249-K-120	–
12ft (3.7m)	2249-C-144	2249-Y-144	2249-E-144	–	–
15ft (4.6m)	2249-C-180	2249-Y-180	2249-E-180	2249-K-180	–
20ft (6.1m)	2249-C-240	2249-Y-240	2249-E-240	2249-K-240	–
25ft (7.6m)	2249-C-300	–	2249-E-300	2249-K-300	–
30ft (9.1m)	2249-C-360	–	2249-E-360	–	–
50ft (15.2m)	2249-C-600	–	2249-E-600	–	–

**Model 2249-C** is Pomona Electronics' most popular cable. The 50Ω RG58C/U cable makes it ideal for most test and measurement applications.

**Model 2249-Y** is a 50Ω RG223/U cable with double shield. Use when additional shielding is required.

**Model 2249-E** RG59B/U is a 75Ω cable, making it the right choice for use with TV, video and LAN applications.

**Model 2249-K** RG174/U offers superior flexibility in a 50Ω cable.

**Model 5266-C** is the same high quality construction as Model 2249-C with a connector on **(one end only)**.

**BNC Male Low-Noise Cable**



Model#	Length
4964-SS-12	12in (0.3m)
4964-SS-24	24in (0.6m)
4964-SS-36	36in (0.9m)
4964-SS-48	48in (1.2m)
4964-SS-60	60in (1.5m)
4964-SS-72	72in (1.8m)
4964-SS-120	120in (3.0m)
4964-SS-240	240in (6.1m)

**Model 4964-SS** uses a special low-triboelectric cable which has noise attenuating layers surrounding the center conductor. The cable is ideal for low power, low frequency measurements.

**Recommended Frequency Range:** DC to 10KHz

**BNC:** *Body*: tarnish resistant nickel-plated brass; *Center Contact*: gold-plated brass; *Dielectric*: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

See chart on page 6 for additional wire and cable specifications.

**BNC Male True 75Ω High Flex Cable**



Model#	Length
6510-V-12-0	12in (0.3m)
6510-V-24-0	24in (0.6m)
6510-V-36-0	36in (0.9m)
6510-V-48-0	48in (1.2m)
6510-V-60-0	60in (1.5m)
6510-V-72-0	72in (1.8m)

**Model 6510-V** uses a true 75Ω connector for superior VSWR and low return loss up to 3 GHz. The highly flexible RG59/U type cable has a gas injected foam polyethylene dielectric with PVC jacket for low loss and superior shield coverage. Highly flexible cable and molded strain relief prevent excessive bending or kinking. An ideal product for HDTV and digital video as well as test and measurement.

**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*.

**BNC:** *Body*: tarnish resistant nickel-plated brass; *Center Contact*: gold-plated brass; *Dielectric*: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

See chart on page 6 for additional wire and cable specifications.

**Flexible Color-coded Sleeves for BNC Cables**



Model#	Pkg. Qty
6291	20

PVC sleeves which help prevent inadvertent contact with the outer shell of the BNC and allow for color-coding. Available in 10 colors. Fit most BNC male connectors. Perfect for use with any of the Model 2249- type cables.

**Colors:** contains 2 ea. of 10 colors.

**IEC Insulated BNC Male 50Ω Cable**

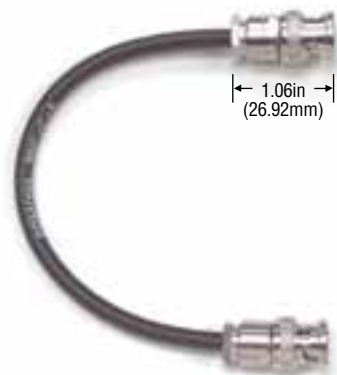


Model#	Length
72926-C-40	40in (100cm)
72926-C-80	80in (200cm)

**Rating:** 500V Cat 1, 150V Cat II, 3A.  
**Color:** Black.

\*see rating message at start of section.

**BNC Male 50Ω Cable: Field Servicable Connector**



Model#	Length
BNC-C-18	18in (0.5m)
BNC-C-24	24in (0.6m)
BNC-C-36	36in (0.9m)
BNC-C-48	48in (1.2m)
BNC-C-60	60in (1.5m)
BNC-C-72	72in (1.8m)
BNC-C-96	96in (2.4m)

Clamp nut and silicone gasket seal out moisture. Gold-plated center contact and Teflon® insulation assure premium performance.

**Rating:** Maximum voltage for hands free use: 500 Vrms\*.

**BNC:** Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass contact soldered to cable; Dielectric: PTFE.

See chart on page 6 for additional wire and cable specifications.

**BNC Male 50Ω Cable**



Model#	Length
5697-6	6in (0.2m)
5697-12	12in (0.3m)
5697-24	24in (0.6m)
5697-36	36in (0.9m)
5697-48	48in (1.2m)
5697-60	60in (1.5m)
5697-72	72in (1.8m)
5697-120	120in (3.0m)
5697-180	180in (4.6m)
5697-240	240in (6.1m)

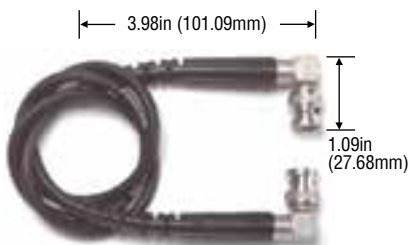
**Rating:** Maximum voltage for hands free use: 500 Vrms\*.

**Cable Type:** 50Ω, RG58 type 0.19in (4.95mm) O.D.

**BNC:** Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass contact crimped to cable; Dielectric: PTFE.

See chart on page 6 for additional wire and cable specifications.

**BNC Male Right Angle Connector Cable with Molded Strain Relief**



Model#	Length
4276-C-12	12in (0.3m)
4276-C-24	24in (0.6m)
4276-C-36	36in (0.9m)

**Rating:** Maximum voltage for hands free use: 500 Vrms\*.

**BNC:** Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

See chart on page 6 for additional wire and cable specifications.

**BNC Male 50Ω Cable with Insulated Push-on Connector**



Model#	Length
6253-C-36	36in (0.9m)

Unique locking feature assures secure retention with the convenience of a push-on connector.

**Rating:** Maximum voltage for hands free use: 500 Vrms\*.

**BNC:** Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Outer Shell: blue thermoplastic; Dielectric: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

See chart on page 6 for additional wire and cable specifications.

**BNC Male to BNC Male Right Angle 50Ω Cable**



Model#	Length
1383-C-24	24in (0.6m)
1383-C-60	60in (1.5m)

**Rating:** Maximum voltage for hands free use: 500 Vrms\*.

**BNC:** Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.

See chart on page 6 for additional wire and cable specifications.

**BNC Male to BNC Female with Molded Strain Relief**



Model#	Length
4524-C-36	36in (0.9m)
4524-C-48	48in (1.2m)
4524-C-60	60in (1.5m)

Use to extend BNC Cables.

**Rating:** Maximum voltage for hands free use: 500 Vrms\*.

**BNC:** Body: tarnish resistant nickel-plated brass; Center Contact: male: gold-plated brass; female: gold-plated beryllium copper; Dielectric: PTFE.

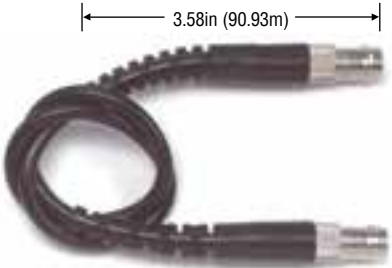
**Strain Relief:** PVC molded directly to cable and connectors.

See chart on page 6 for additional wire and cable specifications.





**BNC Female 50Ω Cable with Molded Strain Relief**



Model#	Length
4277-C-24	24in (0.6m)
4277-C-48	48in (1.2m)

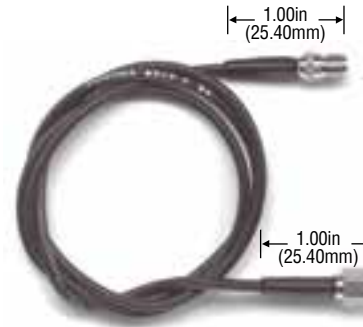
**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*.

**BNC:** *Body*: tarnish resistant nickel-plated brass; *Center Contact*: gold-plated beryllium copper; *Dielectric*: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

See chart on page 6 for additional wire and cable specifications.

**SMA Male to SMA Female**



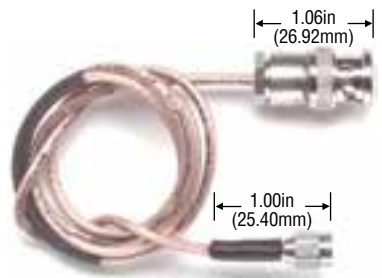
RG 174/U	Length
4528-K-48	48in (1.2m)
RG 142B/U	
4528-X-24	24in (0.6m)
4528-X-48	48in (1.2m)

**SMA:** *Body/Fittings*: passivated stainless steel; *Contact*: gold-plated brass; *Dielectric*: PTFE.

**SMA (F):** gold-plated, beryllium copper center contact; *Dielectric*: PTFE.

See chart on page 6 for additional wire and cable specifications.

**BNC Male to SMA Male 50Ω Teflon Insulated Cable**



RG 316/U	Length
4935-BB-24	24in (0.6m)
4935-BB-48	48in (1.2m)
4935-BB-60	60in (1.5m)

**Rating:** Maximum voltage for *hands free use*: 335 Vrms\*.

**SMA:** *Body/Fittings*: passivated stainless steel; *Contact*: gold-plated brass; *Dielectric*: PTFE.

**BNC:** *Body*: tarnish resistant nickel-plated brass; *Center Contact*: gold-plated brass; *Dielectric*: PTFE.

See chart on page 6 for additional wire and cable specifications.

**SMA Male to Type 'N' Male 50Ω Cable**



Model#	Length
5058-X-36	36in (0.9m)
5058-X-48	48in (1.2m)
5058-X-60	60in (1.5m)

**SMA:** *Body/Fittings*: passivated stainless steel; *Contact*: gold-plated brass; *Dielectric*: PTFE.

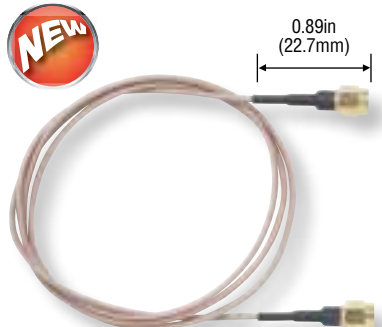
**Type 'N':** *Body*: white bronze-plated brass; *Center Contact*: gold-plated brass; *Dielectric*: PTFE.

See chart on page 6 for additional wire and cable specifications.

**SMA Male 50Ω Cable**



4846-C



4846-UU

RG 174/U	Length
4846-K-24	24in (0.6m)
4846-K-48	48in (1.2m)
4846-K-60	60in (1.5m)
RG 316/U	
4846-BB-24	24in (0.6m)
4846-BB-48	48in (1.2m)
4846-BB-60	60in (1.5m)

RG 142B/U	Length
4846-X-24	24in (0.6m)
4846-X-48	48in (1.2m)
4846-X-60	60in (1.5m)
RG 58C/U	
4846-C-12	12in (0.3m)
4846-C-24	24in (0.6m)
4846-C-36	36in (0.9m)
4846-C-48	48in (1.2m)
4846-C-60	60in (1.5m)

RG 178B/U	Length
4846-UU-12	12in (0.3m)
4846-UU-24	24in (0.6m)
4846-UU-36	36in (0.9m)
4846-UU-48	48in (1.2m)
4846-UU-60	60in (1.5m)

**SMA:** *Body/Fittings*: passivated stainless steel or gold-plated brass; *Contact*: gold-plated brass; *Dielectric*: PTFE.

See chart on page 6 for additional wire and cable specifications.

**Type 'N' Male 50Ω Cable**



Model#	Length
1658-T-18	18in (0.5m)
1658-T-24	24in (0.6m)
1658-T-36	36in (0.9m)
1658-T-48	48in (1.2m)
1658-T-60	60in (1.5m)

**Rating:** Maximum voltage for *hands free use*: 1,000 Vrms\*.

**Type 'N':** *Body*: white bronze-plated brass; *Center Contact*: gold-plated brass; *Dielectric*: PTFE.

See chart on page 6 for additional wire and cable specifications.



\*see rating message at start of section.

**MMCX Male 50Ω Cable**



73063-BB

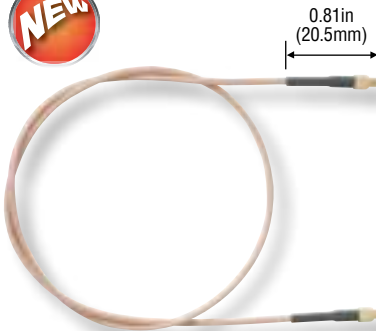
RG 316/U	Length
73063-BB-6	6in (0.15m)
73063-BB-12	12in (0.3m)
73063-BB-24	24in (0.6m)
73063-BB-36	36in (0.9m)
RG 178B/U	Length
73077-UU-12	12in (1.5m)
73077-UU-24	24in (1.8m)
73077-UU-36	36in (2.4m)
73077-UU-48	48in (2.4m)

**Rating:** Maximum voltage for hands free use: 500 V.

**MMCX:** Body/Fittings: gold-plated brass; Contact: gold-plated phosphor bronze; Dielectric: PTFE.

See chart on page 6 for additional wire and cable specifications.

**MCX Male 50Ω Cable**



73067-BB

RG 316/U	Length
73067-BB-6	6in (0.15m)
73067-BB-12	12in (0.3m)
73067-BB-24	24in (0.6m)
73067-BB-36	36in (0.9m)
RG 178B/U	Length
73075-UU-12	12in (1.2m)
73075-UU-24	24in (1.5m)
73075-UU-36	36in (1.8m)
73075-UU-48	48in (3.0m)

**Rating:** Maximum voltage for hands free use: 750 V.

**MCX:** Body/Fittings: gold-plated brass; Contact: gold-plated phosphor bronze; Dielectric: PTFE.

See chart on page 6 for additional wire and cable specifications.

**MCX Male 75Ω Cable**



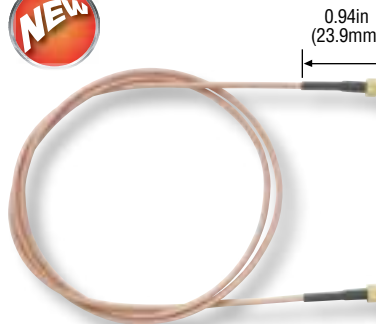
RG 179B/U	Length
73075-VV-12	12in (0.3m)
73075-VV-24	24in (0.6m)
73075-VV-36	36in (0.9m)
73075-VV-48	48in (1.2m)

**Rating:** Maximum voltage for hands free use: 750 V.

**MCX:** Body/Fittings: gold-plated brass; Contact: gold-plated phosphor bronze; Dielectric: PTFE.

See chart on page 6 for additional wire and cable specifications.

**SMB Jack 50Ω Cable**



RG 316/U	Length
73072-BB-6	6in (0.15m)
73072-BB-12	12in (0.3m)
73072-BB-24	24in (0.6m)
73072-BB-36	36in (0.9m)
73072-BB-48	48in (1.2m)

**Rating:** Maximum voltage for hands free use: 750 V.

**SMB:** Body/Fittings: gold-plated brass; Contact: gold-plated phosphor bronze; Dielectric: PTFE.

See chart on page 6 for additional wire and cable specifications.

**SMB Jack 75Ω Cable**



RG 179B/U	Length
73072-VV-12	12in (0.3m)
73072-VV-24	24in (0.6m)
73072-VV-36	36in (0.9m)
73072-VV-48	48in (1.2m)
73072-VV-60	60in (1.5m)

**Rating:** Maximum voltage for hands free use: 750 V.

**SMB:** Body/Fittings: gold-plated brass; Contact: gold-plated brass; Dielectric: PTFE.

See chart on page 6 for additional wire and cable specifications.

**SMB Jack Right Angle 50Ω Cable**



RG 316/U	Length
73073-BB-6	6in (1.5m)
73073-BB-12	12in (0.3m)
73073-BB-24	24in (0.6m)
73073-BB-36	36in (0.9m)
73073-BB-48	48in (1.2m)

**Rating:** Maximum voltage for hands free use: 750 V.

**SMB:** Body/Fittings: gold-plated brass; Contact: gold-plated phosphor bronze; Dielectric: PTFE.

See chart on page 6 for additional wire and cable specifications.

**MMCX Male to MMCX Male Right Angle 50Ω Cable**



RG 316/U	Length
73064-BB-6	6in (0.15m)
73064-BB-12	12in (0.3m)
73064-BB-24	24in (0.6m)
73064-BB-36	36in (0.9m)

**Rating:** Maximum voltage for hands free use: 500 V\*.

**MMCX:** Body/Fittings: gold-plated brass; Contact: gold-plated phosphor bronze; Dielectric: PTFE. See chart on page 6 for additional wire and cable specifications.

**MCX Male Right Angle 50Ω**

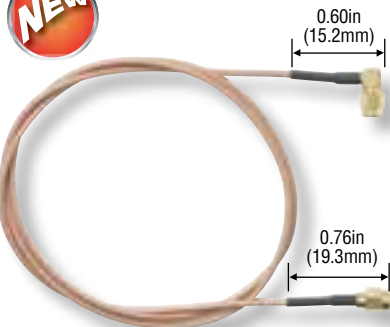


RG 316/U	Length
73068-BB-6	6in (0.15m)
73068-BB-12	12in (0.3m)
73068-BB-24	24in (0.6m)
73068-BB-36	36in (0.9m)

**Rating:** Maximum voltage for hands free use: 750 V\*.

**SMA:** Body/Fittings: gold-plated brass; Contact: gold-plated phosphor bronze; Dielectric: PTFE. See chart on page 6 for additional wire and cable specifications.

**SMA Male to SMA Male Right Angle 50Ω Cable**



RG 316/U	Length
73069-BB-12	12in (0.3m)
73069-BB-24	24in (0.6m)
73069-BB-36	36in (0.9m)
73069-BB-48	48in (1.2m)
73069-BB-60	60in (1.5m)

**Rating:** Maximum voltage for hands free use: 750 V\*.

**SMA:** Body/Fittings: gold-plated brass; Contact: gold-plated brass; Dielectric: PTFE

See chart on page 6 for additional wire and cable specifications.

**SMA Male to SMA Female Bulkhead 50Ω Cable**



RG 316/U	Length
73070-BB-12	12in (0.3m)
73070-BB-24	24in (0.6m)
73070-BB-36	36in (0.9m)
73070-BB-48	48in (1.2m)
73070-BB-60	60in (1.5m)

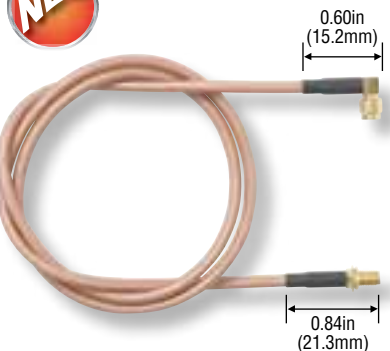
RG 58C/U	Length
73070-C-12	24in (0.6m)
73070-C-24	24in (0.6m)
73070-C-36	36in (0.9m)
73070-C-48	48in (1.2m)
73070-C-60	60in (1.5m)

**Rating:** Maximum voltage for hands free use: 750 V.

**SMA:** Body/Fittings: gold-plated brass; Contact: beryllium copper and brass, gold-plated; Dielectric: PTFE

See chart on page 6 for additional wire and cable specifications.

**SMA Male Right Angle to SMA Female Bulkhead 50Ω Cable**



RG 316/U	Length
73071-BB-12	12in (0.3m)
73071-BB-24	24in (0.6m)
73071-BB-36	36in (0.9m)
73071-BB-48	48in (1.2m)
73071-BB-60	60in (1.5m)

RG 142B/U	Length
73071-X-12	12in (0.3m)
73071-X-24	24in (0.6m)
73071-X-36	36in (0.9m)
73071-X-48	48in (1.2m)
73071-X-60	60in (1.5m)

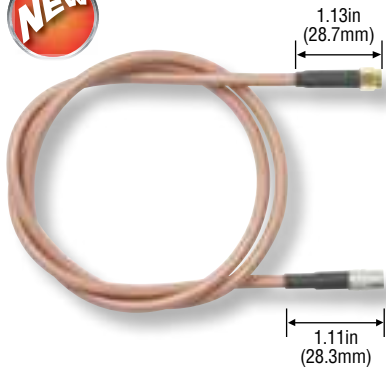
**Rating:** Maximum voltage for hands free use: 750 V.

**SMA:** Body/Fittings: gold-plated brass; Contact: beryllium copper and brass, gold-plated; Dielectric: PTFE

See chart on page 6 for additional wire and cable specifications.

\*see rating message at start of section.

**SMA Male to SMA Male Quick-Connect 50Ω Cable**



RG 142B/U	Length
73082-X-12	12in (0.3m)
73082-X-24	24in (0.6m)
73082-X-36	36in (0.9m)
73082-X-48	48in (1.2m)
73082-X-60	60in (1.2m)

**Rating:** Maximum voltage for hands free use: 750 V

**SMA:** *Body/Fittings:* brass, gold-plated and nickel-plated; *Contact:* gold-plated brass; *Dielectric:* PTFE.

See chart on page 6 for additional wire and cable specifications.

**SMA Male Quick-Connect 50Ω Cable**



RG 316/U	Length
73083-BB-12	12in (0.3m)
73083-BB-24	24in (0.6m)
73083-BB-36	36in (0.9m)
73083-BB-48	48in (1.2m)
73083-BB-60	60in (1.2m)

RG 142B/U	Length
73083-X-12	12in (1.2m)
73083-X-24	24in (1.5m)
73083-X-36	36in (1.8m)
73083-X-48	48in (3.0m)
73083-X-60	60in (1.2m)

**Rating:** Maximum voltage for hands free use: 750 V.

**SMA:** *Body/Fittings:* nickel-plated brass; *Contact:* gold-plated brass; *Dielectric:* PTFE

See chart on page 6 for additional wire and cable specifications.

**MMCX Male to SMA Female Bulkhead 50Ω Cable**



RG 316/U	Length
73065-BB-12	12in (0.3m)
73065-BB-24	24in (0.6m)
73065-BB-36	36in (0.9m)
73065-BB-48	48in (1.2m)

RG 178B/U	Length
73078-UU-12	12in (0.3m)
73078-UU-24	24in (0.6m)
73078-UU-36	36in (0.9m)
73078-UU-48	48in (1.2m)

**Rating:** Maximum voltage for hands free use: 500 V.

**MMCX:** *Body/Fittings:* gold-plated brass; *Contact:* gold-plated phosphor bronze; *Dielectric:* PTFE.

**SMA:** *Body/Fittings:* gold-plated brass; *Contact:* gold-plated beryllium copper; *Dielectric:* PTFE.

See chart on page 6 for additional wire and cable specifications.

**MMCX Male Right Angle to SMA Female Bulkhead 50Ω Cable**



RG 316/U	Length
73066-BB-12	12in (0.3m)
73066-BB-24	24in (0.6m)
73066-BB-36	36in (0.9m)
73066-BB-48	48in (1.2m)

**Rating:** Maximum voltage for hands free use: 500 V.

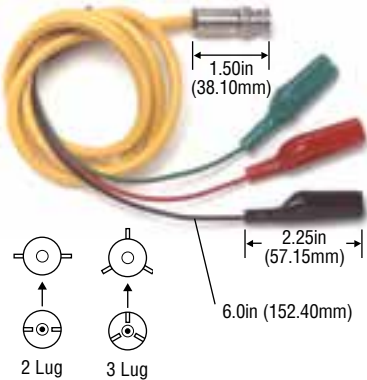
**MMCX:** *Body/Fittings:* gold-plated brass; *Contact:* gold-plated phosphor bronze; *Dielectric:* PTFE.

**SMB:** *Body/Fittings:* gold-plated brass; *Contact:* gold-plated beryllium copper; *Dielectric:* PTFE.

See chart on page 6 for additional wire and cable specifications.

**Triaxial Male to Three Alligator Test Clips, Double Shielded**

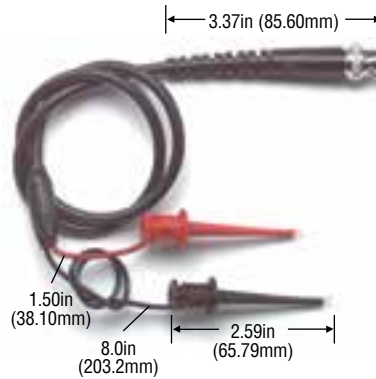
Model#	Cable Type	Lugs	Length
4725	Triaxial	2	36in (0.9m)
5342	Triaxial	3	36in (0.9m)



**Rating:** Maximum voltage for *hands free use*: 150 Vrms\*.  
**Jaw Opening:** 0.30in (7.62mm) Max.  
**Triaxial:** *Body/Fittings:* tarnish resistant nickel-plated brass; *Intermediate and Center Contacts:* gold-plated brass; *Dielectric:* PTFE.  
 See chart on page 6 for additional wire and cable specifications.

**BNC Male with Molded Strain Relief to Minigrabber® Test Clips**

Model#	Length
5423-C-24	24in (0.6m)
5423-C-36	36in (0.9m)
5423-C-48	48in (1.2m)



**Rating:** Maximum voltage for *hands free use*: 300 Vrms\*.  
**BNC:** *Body:* tarnish resistant nickel-plated brass; *Center Contact:* gold-plated brass; *Dielectric:* PTFE.  
**Strain Relief:** PVC molded directly to cable and connectors.  
**Minigrabber:** *Contacts:* beryllium gold-plated copper; *Insulation:* glass filled nylon.  
**Colors:** One black and one red.  
 See chart on page 6 for additional wire and cable specifications.

**Triaxial Male Cables**

Model#	Cable Type	Lugs	Length
5223-36	Triaxial	3	36in (0.9m)
5223-60			60in (1.5m)
5054-36	Triaxial	2	36in (0.9m)
5054-60			60in (1.5m)



**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*.  
**Triaxial:** *Body/Fittings:* tarnish resistant nickel-plated brass; *Intermediate and Center Contacts:* gold-plated brass; *Dielectric:* PTFE.  
**Cable Type:** Double Shielded, 50Ω, RG58A/U.  
**Colors:** 5223: Yellow, 5054: Yellow.  
 Triaxial to BNC Adapters on page 31.  
 See chart on page 6 for additional wire and cable specifications.

**BNC Male with Molded Strain Relief to Micrograbber® Test Clips**

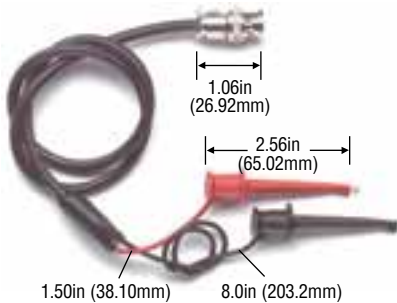
Model#	Length
4777-C-24	24in (0.6m)
4777-C-36	36in (0.9m)
4777-K-24	24in (0.6m)
4777-K-36	36in (0.9m)
4777-K-48	48in (1.2m)



**Rating:** Maximum voltage for *hands free use*: 150 Vrms\*.  
**BNC:** *Body:* tarnish resistant nickel-plated brass; *Center Contact:* gold-plated brass; *Dielectric:* PTFE.  
**Strain Relief:** PVC molded directly to cable and connectors.  
**Micrograbber:** *Contacts:* beryllium gold-plated copper; *Insulation:* glass filled nylon.  
**Colors:** One black and one red.  
 See chart on page 6 for additional wire and cable specifications.

**BNC Male to Minigrabber® Test Clips**

Model#	Length
3787-C-18	18in (0.5m)
3787-C-24	24in (0.6m)
3787-C-36	36in (0.9m)
3787-C-48	48in (1.2m)
3787-C-60	60in (1.5m)



**Rating:** Maximum voltage for *hands free use*: 300 Vrms\*.  
**BNC:** *Body:* tarnish resistant nickel-plated brass; *Center Contact:* gold-plated brass; *Dielectric:* PTFE.  
**Minigrabber:** *Contacts:* beryllium gold-plated copper; *Insulation:* glass filled nylon.  
**Colors:** One black and one red.  
 See chart on page 6 for additional wire and cable specifications.

**BNC Male with Molded Strain Relief to Alligator Test Clips**

Model#	Length
4531-C-18	18in (0.5m)
4531-C-24	24in (0.6m)
4531-C-30	30in (0.76m)
4531-C-36	36in (0.9m)
4531-C-48	48in (1.2m)
4531-C-60	60in (1.5m)



**Rating:** Maximum voltage for *hands free use*: 150 Vrms\*.  
**Jaws Opening:** 0.3in (7.62mm) max.  
**BNC:** *Body:* tarnish resistant nickel-plated brass; *Center Contact:* gold-plated brass; *Dielectric:* PTFE.  
**Strain Relief:** PVC molded directly to cable and connectors.  
**Alligator:** *Body:* steel-plated nickel.  
**Colors:** Vinyl boots: one black and one red.  
 See chart on page 6 for additional wire and cable specifications.

\*see rating message at start of section.

**BNC Male with Molded Strain Relief to Minigrabber® Test Clips**



Model#	Length
5187-C-24	24in (0.6m)
5187-C-36	36in (0.9m)
5187-C-48	48in (1.2m)
5187-C-60	60in (1.5m)
5187-K-24	24in (0.6m)
5187-K-36	36in (0.9m)
5187-K-48	48in (1.2m)
5187-K-60	60in (1.5m)

**Rating:** Maximum voltage for hands free use: 300 Vrms\*.

**BNC:** Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

**Minigrabber:** Contacts: beryllium gold-plated copper; Insulation: glass filled nylon.

**Colors:** One black and one red.

See chart on page 6 for additional wire and cable specifications.

**BNC Male with Molded Strain Relief to Minigator® Test Clips**



Model#	Length
4532-C-24	24in (0.6m)
4532-C-36	36in (0.9m)
4532-C-48	48in (1.2m)
4532-C-60	60in (1.5m)

**Rating:** Maximum voltage for hands free use: 45 Vrms\*.

**Jaws Opening:** to 0.18in (47.50mm) max.

**BNC:** Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

**Minigator:** Body: steel-plated nickel

**Colors:** Vinyl boots: one black and one red.

**Rating:** +122°F (+50°C) max.

See chart on page 6 for additional wire and cable specifications.

**BNC Male with Molded Strain Relief to SMD Grabber® Test Clips**



Model#	Length
5304-K-24	24in (0.6m)
5304-K-36	36in (0.9m)

**Rating:** Maximum voltage for hands free use: 150 Vrms\*.

**BNC:** Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.

**Strain Relief:** PVC molded directly to cable and connectors.

**Grabber:** Contacts: gold-plated stainless steel; Insulation: glass filled nylon.

**Colors:** One black and one red.

See chart on page 6 for additional wire and cable specifications.

**BNC Male to Stacking Pin Tip Plugs**



Model#	Length
2882-C-60	60in (1.5m)

**Rating:** Maximum voltage for hands free use: 500 Vrms\*, +122°F (+50°C) max.

**Cable Type:** RG58C/U, 0.19in (4.95mm) O.D.

**BNC:** Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass.

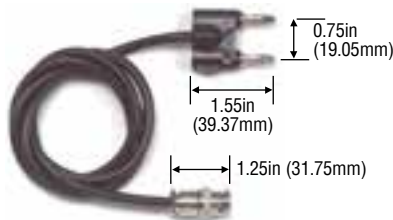
**Pin Tip Plug:** Body: gold-plated brass; Insulation: polypropylene.

**Colors:** One black and one red.

**Strain Relief:** contact soldered to cable.

See chart on page 6 for additional wire and cable specifications.

**BNC Male to Multi-Stacking Double Banana Plugs**



Model#	Length
2BC-BNC-36	36in (0.9m)

**Rating:** Maximum voltage for hands free use: 500 Vrms\*, +122°F (+50°C) max.

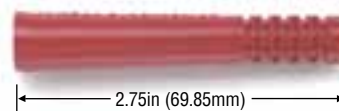
**Cable Type C:** RG58C/U, 0.19in (4.95mm) O.D.

**BNC:** Body: tarnish resistant nickel-plated brass; Center Contact: gold-plated brass.

**2nd End: Double Banana Plugs.** Body: nickel-plated brass beryllium copper spring; Insulation: polypropylene. Color: Black.

**Strain Relief:** PVC molded directly to cable and connectors.

**Strain Relief Boot**



Model#	Fits Cable Types	For Cable O.D.
5155-*	RG 58, 141	0.185in - .200 (4.70mm - 5.08mm)
5156-*	RG 59, 62, 210	0.237in - .247in (6.02mm - 6.27mm)
5157-*	RG 174, 187, 188	0.090in - .110in (2.29mm - 2.79mm)

**Rating:** +122°F (+50°C) Max.

Use with crimp type connectors. Sold in packages of 10.

\*Std. Colors: -0 Black, -2 Red

**Insulated BNC Male/4mm Shrouded Plugs**



Model#	Length
72927-C-40	40in (100cm)
72927-C-80	80in (200cm)

**Impedance:** 50Ω.  
**Rating:** 500V Cat I, 150 V Cat II, 3A.  
**Color:** Black.

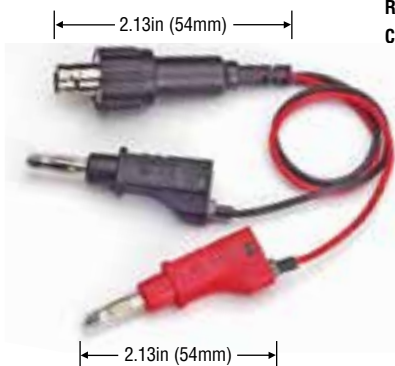
**IEC Insulated BNC Male to Stackable/Retractable 4 mm plugs**



Model#	Length
72908	10in (25cm)

**Impedance:** 50Ω.  
**Rating:** 33 Vrms / 70 Vdc, 6A.  
**Color:** Black.

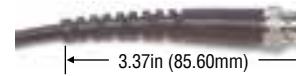
**IEC Insulated BNC Female to Stackable/Retractable 4 mm plugs**



Model#	Length
72909	10in (25cm)

**Impedance:** 50Ω.  
**Rating:** 33 Vrms / 70 Vdc, 6A.  
**Color:** Black.

**BNC Male to ... the ends listed below**



**1st End: Crimp BNC Male with Molded Strain Relief.**

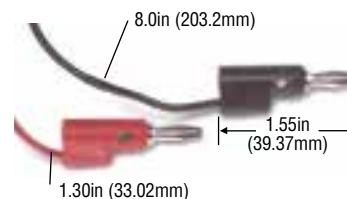
*Body:* tarnish resistant nickel-plated brass; *Center Contact:* gold-plated brass; *Impedance:* 50Ω, Boot, PVC; *Color:* black.  
**Cable Type C:** RG58C/U

**Rating:** Maximum voltage for *hands free use:* 500 Vrms\*.

**BNC:** *Body:* tarnish resistant nickel-plated brass; *Center Contact:* gold-plated brass  
**Strain Relief:** PVC molded directly to cable and connectors.

**Match to any end shown below**

**BNC Male with Molded Strain Relief to Multi-Stacking Banana Plugs**



Model#	Length
5268-C-24	24in (0.6m)
5268-C-36	36in (0.9m)
5268-C-48	48in (1.2m)
5268-C-60	60in (1.5m)

**2nd End: Stacking Banana Plugs.**  
*Body:* nickel-plated brass beryllium copper spring; *Insulation:* polypropylene; *Colors:* one black and one red.

See chart on page 6 for additional wire and cable specifications.

**BNC Male with Molded Strain Relief to Multi-Stacking Double Banana Plug**

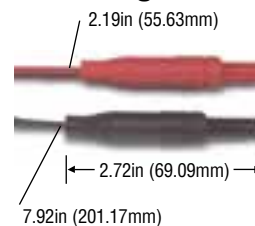


Model#	Length
4530-C-18	18in (0.5m)
4530-C-24	24in (0.6m)
4530-C-36	36in (0.9m)
4530-C-48	48in (1.2m)
4530-C-60	60in (1.5m)

**2nd End: Double Banana Plugs.**  
*Body:* nickel-plated brass beryllium copper spring; *Insulation:* polypropylene. *Color:* black.

See chart on page 6 for additional wire and cable specifications.

**BNC Male with Molded Strain Relief to Retractable Sheath Banana Plugs**



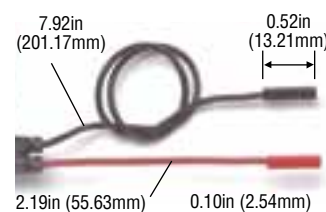
Model#	Length
5343-C-12	12in (0.3m)
5343-C-24	24in (0.6m)
5343-C-36	36in (0.9m)
5343-C-48	48in (1.2m)
5343-C-60	60in (1.5m)

Ideal for use with binding posts.

**2nd End: Sheathed Banana Plugs.**  
*Body:* nickel-plated brass beryllium copper spring; *Insulation:* nylon.

See chart on page 6 for additional wire and cable specifications.

**BNC Male with Molded Strain Relief to Square Pin Receptacles**



Model#	Length
4945-K-18	18in (0.5m)
4945-K-24	24in (0.6m)
4945-K-36	36in (0.9m)
4945-K-48	48in (1.2m)
4945-K-60	60in (1.5m)

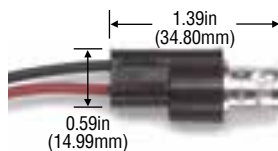
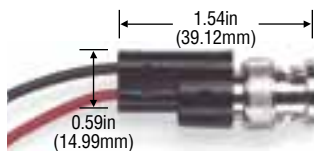
**2nd End: 0.025in (0.6mm) Square Pin Receptacles**  
*Center Contact,* gold-plated brass; *Insulation:* ABS; *Colors:* one black and one red.

See chart on page 6 for additional wire and cable specifications.

\*see rating message at start of section.

**BNC Male or Female to ... the ends listed below**

**BNC Male (1st End):**  
Body: tarnish resistant nickel-plated brass;  
Center Contact: gold-plated brass;  
Insulation: polypropylene; Dielectric: PTFE.  
Nominal impedance: 50Ω.  
Colors: Black.



Overall length = BNC length + wire length + clip/plug length

Match to any end shown below

**BNC Female (1st End):**  
Body: tarnish resistant nickel-plated brass;  
Center Contact: beryllium gold-plated copper;  
Insulation: polypropylene; Dielectric: PTFE.  
Nominal impedance: 50Ω.  
Colors: Black.

Male Model#	Female Model#	Wire Length
-------------	---------------	-------------

3789	3788	5.5in (140mm)
------	------	---------------

**...Minigrabber® Test Clips (2nd End)**



**Minigrabber:** Contacts: beryllium gold-plated copper; Insulation: glass filled nylon.  
Colors: One black and one red.  
Rating: Maximum voltage for hands free use: 300 Vrms\*, +131°F (+55°C) max.

5189	5188	5.4in (137mm)
------	------	---------------

**...Micrograbber® Test Clips (2nd End)**



**Micrograbber:** Contacts: beryllium gold-plated copper; Insulation: glass filled nylon.  
Colors: One black and one red.  
Rating: Maximum voltage for hands free use: 150 Vrms\*, +131°F (+55°C) max.

—	5305	5.5in (140mm)
---	------	---------------

**... SMD Grabber® Test Clips (2nd End)**



**Grabber:** Contacts: gold-plated stainless steel; Insulation: glass filled nylon.  
Colors: One black and one red.  
Rating: Maximum voltage for hands free use: 150 Vrms\*, +131°F (+55°C) max.

3957	3073	5.4in (137mm)
------	------	---------------

**... Multi-Stacking Banana Plug (2nd End)**



**Banana Plug:** Body: brass, Spring: beryllium copper; gold-plated. Insulation: polypropylene.  
Colors: One black and one red  
Rating: Maximum voltage for hands free use: 500 Vrms\*, +131°F (+55°C) max.

—	3966	5.5in (140mm)
---	------	---------------

**... Stacking Miniature Banana Plugs (2nd End)**



**Banana Plug:** Body: brass, Spring: beryllium copper; gold-plated. Insulation: polypropylene.  
Colors: One black and one red  
Rating: Maximum voltage for hands free use: 500 Vrms\*, +131°F (+55°C) max.

Male Model#	Female Model#	Wire Length
-------------	---------------	-------------

—	2630	5in (127mm)
---	------	-------------

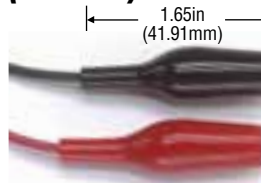
**... Alligator Test Clips (2nd End)**



**Alligator:** Body: steel-plated nickel.  
Colors: Vinyl boots: one black and one red.  
Rating: +122°F (+50°C) max.  
Rating: Maximum voltage for hands free use: 150 Vrms\*.  
Jaw Opening: 0.30in (7.62mm).

2886	2631	5.9in (149mm)
------	------	---------------

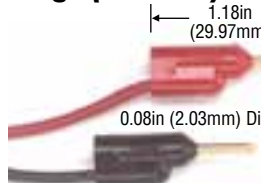
**... Minigator Test Clips (2nd End)**



**Minigator:** Body: steel-plated nickel.  
Colors: Vinyl boots: one black and one red.  
Rating: Maximum voltage for hands free use: 45 Vrms\*, +122°F (+50°C) max.  
Jaw Opening: 0.18in (47.50mm).

3901	3221	5.5in (140mm)
------	------	---------------

**... Stacking Pin Tip Plugs (2nd End)**



**Pin Tip Plug:** Body: gold-plated brass; Insulation: polypropylene.  
Colors: One black and one red.  
Rating: Maximum voltage for hands free use: 500 Vrms\*, +131°F (+55°C) max.

4970	4969	5.9in (149mm)
------	------	---------------

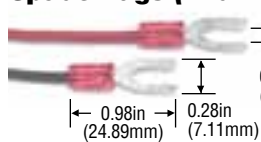
**... 20 AWG Leads (2nd End)**



Rating: Maximum voltage for hands free use: 500 Vrms\*, +131°F (+55°C) max.  
2nd End: None.

—	5051	5.4in (136mm)
---	------	---------------

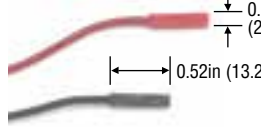
**Female only ... to #8 Spade Lugs (2nd End)**



**Spade Lug:** Body: Copper, tin-plated; Insulation: vinyl.  
Colors: One black and one red.  
Rating: Maximum voltage for hands free use: 500 Vrms\*, +131°F (+55°C) max.

—	5069	5.6in (143mm)
---	------	---------------

**Female only ... to .025 Square Pin Receptacles (2nd End)**



**Square Pin:** Gold-plated phosphor bronze, ABS insulation.  
Colors: One black and one red.  
Rating: Maximum voltage for hands free use: 500 Vrms\*, +131°F (+55°C) max.



# RF Coaxial Connectors, Adapters and Kits

Pomona has everything from a single reliable RF adapter to versatile kits packaged in lightweight, foam padded cases containing all the connections and terminations you might need. Small MCX, MMCX, SMA and SMB connectors enable attachment in today's tight spacings. Pomona – connecting with quality.

## Universal Adapter Kit

Model# 5698



Kit contains two each: BNC (m), BNC (f), TNC (m), TNC (f), SMA (m), SMA (f), N (m), N (f), four intermediate couplers, one double Banana Plug, one double Banana Jack, and case.



## Multi-RF Direct Adapter Kit

Model# 72934



A comprehensive kit including the most frequently used 50Ω RF adapters in a rugged pistol-grip case. Allows for direct adaptation without intermediate couplers. All parts are precision machined brass, not diecast, with tarnish resistant nickel plating. Male center pin contacts are gold plated brass. Female center contacts are gold plated heat treated beryllium copper. Insulation material is high density PTFE.

## Maxi Universal Adapter Kit

Model# 5748



Kit contains two each: BNC (m), BNC (f), TNC (m), TNC (f), SMA (m), SMA (f), N (m), N (f), UHF (m), UHF (F), Mini UHF (m), Mini UHF (f), F (m), F (f), RCA (m), RCA (f), six intermediate couplers, one double Banana Plug, one double Banana Jack, one sampler, and case.

### Kit contains:

- 3535 BNC (m)/Type N (f)
- 3288 BNC (f)/Type N (m)
- 3844 TNC (m)/BNC (f)
- 4288 SMA(m)/BNC(M)
- 4290 SMA (m)/BNC (f)
- 4289 SMA (f)/BNC (m)
- 4291 SMA (f)/BNC (F)
- 4298 SMA (m)/Type N (f)
- 4297 SMA (f)/Type N (M)
- 4299 SMA (f)/Type N (f)
- 4292 SMA (m)/TNC (m)
- 4294 SMA (m)/TNC (f)
- 4293 SMA (f)/TNC (m)
- 4295 SMA (f)/TNC (f)
- 4296 SMA (m)/Type N (m)
- 3283 BNC (f-f)
- 3533 BNC (m-m)
- 3285 BNC (f-m-f) TEE
- 3284 BNC (f-f-f) TEE
- 4940 TNC (f-f) Adapter
- 3841 TYPE N (f-f)
- 3842 TYPE N (m-m)
- 4282 SMA (m-f) Rt Angle
- 4283 SMA (m-m)
- 4284 SMA (f-f)
- 4286 SMA Termination, 50Ω (m)

## Adapter Kit Accessories

Individual adapters for the Universal Adapter Kits are also available.

Coupling nut adapter to	Model#	5698	5748	Coupling nut adapter to	Model#	5698	5748
BNC (m)	5735	2	2	Mini UHF (m)	5753	-	2
BNC (f)	5739	2	2	Mini UHF (f)	5757	-	2
TNC (m)	5736	2	2	RCA (m)	5754	-	2
TNC (f)	5740	2	2	RCA (f)	5758	-	2
SMA (m)	5737	2	2	F (m)	5759	-	2
SMA (f)	5741	2	2	F (f)	5755	-	2
N (m)	5734	2	2	Coupler	5742	4	6
N (f)	5738	2	2	DbI Banana Plug	5743	1	1
UHF (m)	5752	-	2	DbI Banana Post	5744	1	1
UHF (f)	5756	-	2	Sampler	5760	-	1

## SMA Adapter Kit

Model# 72931



A consolidated kit including the most frequently used SMA adapters in a rugged pistol-grip case. Allows for direct adaptation without intermediate couplers. All parts are precision machined brass, not diecast, with tarnish resistant nickel plating. Male center pin contacts are gold plated brass. Female center contacts are gold plated heat treated beryllium copper. Insulation material is high density PTFE.

### Kit contains:

- 4282 Right Angle SMA Female to SMA Male
- 4283 Inline SMA Male to SMA Male
- 4284 Inline SMA Female to SMA Female
- 4286 SMA Male Terminator Plug
- 4288 SMA Male to BNC Male
- 4289 SMA Female to BNC Male
- 4290 SMA Male to BNC Female
- 4291 SMA Female to BNC Female
- 4292 SMA Male to TNC Male
- 4293 SMA Female to TNC Male
- 4294 SMA Male to TNC Female
- 4295 SMA Female to TNC Female
- 4296 SMA Male to N Male
- 4297 SMA Female to N Male
- 4298 SMA Male to N Female
- 4299 SMA Female to N Female

\*see rating message at start of section.

**N Adapter Kit**

**Model# 72932**



A consolidated kit including the most frequently used Type N adapters in a rugged pistol-grip case. Allows for direct adaptation without intermediate couplers. All parts are precision machined brass, not die-cast, with tarnish resistant nickel plating. Male center pin contacts are gold plated brass. Female center contacts are gold plated heat treated beryllium copper. Insulation material is high density PTFE.

**Kit contains:**

- |                                     |   |
|-------------------------------------|---|
| 3288 N Male to 50Ω BNC Female       | 4298 N Female to SMA Male                     |
| 3535 N Female to 50Ω BNC Male       | 4299 N Female to SMA Female                   |
| 3841 Inline N Female to N Female    | 5089 T Style N Female to N Female to N Female |
| 3842 Inline N Male to N Male        | 4240-50 50Ω N Terminator Plug                 |
| 3843 Right Angle N Female to N Male | 4240-75 75Ω N Terminator Plug                 |
| 4286 N Male to SMA Male             |   |
| 4297 N Male to SMA Female           |   |

**Broadcast BNC Adapter Kit**

**Model# 72933**



A comprehensive kit including the most frequently used 75Ω BNC adapters in a rugged pistol-grip case. Allows for direct adaptation without intermediate couplers. All parts are precision machined brass, not die-cast, with tarnish resistant nickel plating. Male center pin contacts are gold plated brass. Female center contacts are gold plated heat treated beryllium copper. Insulation material is high density PTFE.

**Kit contains**

- |  |   |
|--|---|
| 6737 75Ω BNC f/f Adapter               | 1297 Adapter, BNC(f), Phono Plug              |
| 6738 75Ω BNC f/f/f Adapter             | 3837 BNC (f)/Tini Plug                        |
| 6739 75Ω BNC f/m/f Adapter             | 4043 Adapter, BNC(M), Phono Jack              |
| 6740 75Ω BNC m/m Adapter               | 4267 BNC (f)/Microplug                        |
| 6754 BNC (F/M/F) Adapter, In-Line, 75Ω | 5319 BNC Female to Phono Plug                 |
| 6779 BNC (m) / f (f), 75Ω              | 4054 BNC (m) to Phono Jack Adapter            |
| 6780 BNC (f) / f (f), 75Ω              | 4719 BNC (f)/Bantam Plug                      |
| 6781 BNC (f) / F (m), 75Ω              | 5008 BNC (f)/.090 Video Plug                  |
| 6782 BNC (m) / F (m), 75Ω              | 6519 BNC TO Mini-WECO Adapter                 |
|  | 3840-75 BNC (m) Resistor Terminator Plug, 75Ω |



**7/16 DIN Adapter Kit**

**Model# 6254**



This kit will enable the field service technician to connect equipment that has 7/16 DIN connectors to other equipment that has Type N connectors. These connectors are not compatible, but both are commonly found on the same types of telephone equipment and test equipment.

The key feature of the 7/16 DIN connector is the extremely high resistance to inter-modulation interference. These connectors are used in cellular phone and PCS systems to reduce interference in crowded cell sites and also in radio, television and repeater sites. An assortment of the most useful adapters for conversion between 7/16 DIN and Type N.

**Kit contains one each:**

- 6256 7/16 DIN Male to Type N Male Adapter
  - 6257 7/16 DIN Male to Type N Female Adapter
  - 6259 7/16 DIN Female to Type N Male Adapter
  - 6260 7/16 DIN Female to Type N Female Adapter
  - 7/16 DIN Male to 7/16 DIN Female Right Angle Adapter
  - 7/16 DIN Female to 7/16 DIN Female Splice
- All parts are protected by a custom zippered case with die cut foam padding.

**Universal Adapter Cable**

Model#	Length
5749-24	24in (0.6m)
5749-36	36in (0.9m)
5749-48	48in (1.2m)
5749-60	60in (1.5m)
5749-72	72in (1.8m)



Make cable assemblies with any of the adapters in the universal adapter kits.

50Ω RG 58C/U, 195" O.D.

**BNC to Banana Plug and Binding Post Adapter Kit**

**Model# 5510**



An assortment of many of Pomona's most popular BNC

**Kit contains one each:**

- BNC Female to Stacking Double Banana Plug
- BNC Male to Stacking Double Banana Plug
- BNC Male to Stackable Binding Posts
- BNC Female to Stackable Binding Posts
- BNC Female to Female
- BNC Male to Male adapters.

**BNC 50Ω Attenuator Kit**

**Model# 5513**

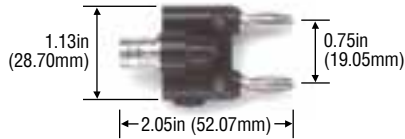


Kit contains five Model 4108 BNC 50Ω attenuators, one each of 3dB, 6dB, 10dB, 14dB and 20dB.

(Same as Model 4108).

**BNC Female to Double Stacking Banana Plug**

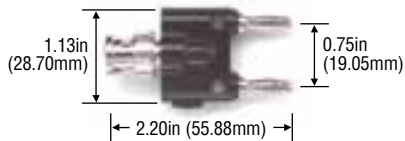
Model# 1269



**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*, +122°F (+50°C) max.  
**Material:** Banana Plug Jack: brass;  
**Spring:** heat treated beryllium copper; **Finish:** nickel plating.

**BNC Male to Double Stacking Banana Plug**

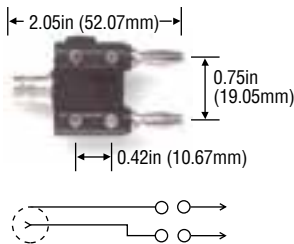
Model# 1270



**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*, +122°F (+50°C) max.  
**Material:** Banana Plug Jack: brass;  
**Spring:** heat treated beryllium copper; **Finish:** nickel plating.

**BNC Female to Double Banana Plug**

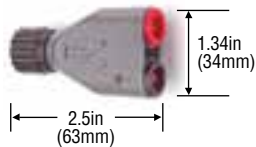
Model# 1468



4 solder turrets provide access between BNC and isolated banana plugs.  
**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*, +131°F (+55°C) max.  
**BNC:** isolated from Banana Plugs.  
**Material:** Banana Plug Jack: brass;  
**Spring:** heat treated beryllium copper; **Finish:** nickel plating.

**Insulated BNC Male to Dual 4 mm Banana Plugs/Jacks**

Model#	Type
72910	Plugs
72937	Jacks



**Rating:** 500V Cat I, 150V Cat II.

**Insulated BNC Female to Dual 4 mm Banana Plugs/Jacks**

Model#	Type
72911	Plugs
72938	Jacks



**Rating:** 500V Cat I, 150V Cat II.

**BNC Male to Stackable Binding Posts**

Model# 1296



**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*, +122°F (+50°C) max.

**4mm Safety Banana Jack to 2mm Banana Plug Adapter**

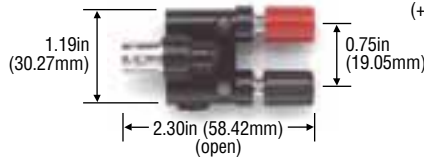
Model#	Color
72914-02	Set, Black and Red
72914-0	10 pack, Black
72914-2	10 pack, Red



Accepts 4mm safety-sheathed banana plugs.  
**Rating:** 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum, 36A.

**BNC Female to Stackable Binding Posts**

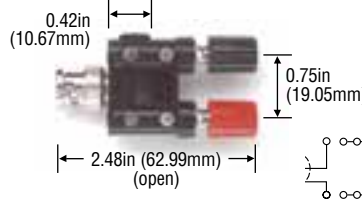
Model# 1452



**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*, +122°F (+50°C) max.

**BNC Male to Stackable Isolated Binding Posts with 4 Terminals**

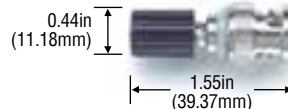
Model# 1469



4 solder turrets for component attachments.  
Use to make your own attenuator, balun, or filter.  
**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*, +131°F (+55°C) max.

**BNC Male with Binding Post**

Model# 3430-\*



**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*, +239°F (+115°C) max.  
**\*Std. Colors:** -0 Black, -2 Red.

**BNC Female to Single Banana Plug**

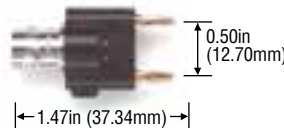
Model# 1894



**Rating:** *Hands free testing* in controlled voltage environment: 500 Vrms\*, +122°F (+50°C) max.

**BNC Female to Miniature Double Banana Plug**

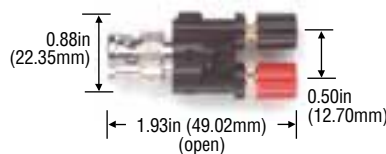
Model# 3269



Allows a BNC male to be used with equipment having 0.50in (12.70mm) spaced miniature banana jacks.  
**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*, +122°F (+50°C) max.

**BNC Male to Miniature Stackable Binding Posts**

Model# 3296

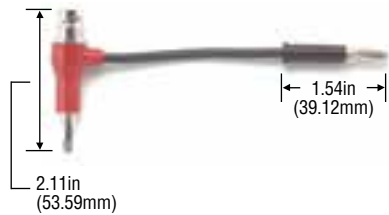


Binding posts also accept miniature double banana plugs.  
**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*, +122°F (+50°C) max.

\*see rating message at start of section.

**BNC Female to Single Banana Plug with Ground Lead**

**Model# 4684**



Use with equipment having banana plugs or binding posts with non-standard spacing.  
18 AWG Ground wire, 2.5in (63.50mm) long.  
**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*, +131°F (+55°C) max.

**BNC Male/Female with DC-Blocking Series Capacitor**

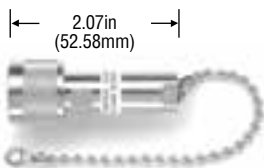
**Model# 5297**



Use for sensitive RF measurements.  
**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*, +216°F (+102°C) max.  
**Capacitor:** 1000 pF, 600 Vdc.

**Type N Male Terminator Plugs**

Model#	Ω
4240-50	50



**Rating:** Frequency Range DC to 500 MHz, Power: 1W @ 158°F (70°C) max.  
**Accuracy:** 1%.

**BNC Male Terminator Plugs**

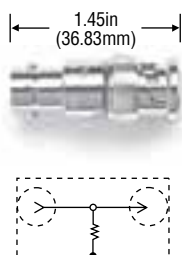
Model#	Ω
3840-50	50
3840-75	75



**Rating:** Frequency range dc to 500MHz, power .5W @ 158°F (70°C) max.  
**Accuracy:** 1%.

**BNC Feed-Thru Termination**

Model#	Ω
4119-50	50
4119-75	75
4119-600	600



**Rating:** 2W Carbon film resistor.  
**Accuracy:** 2%.  
**Frequency Range:** DC to 500 MHz, +216°F (+102°C) max.

**BNC 50Ω Attenuator**

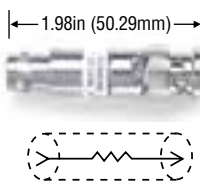
Model#	dB
4108-3dB	3dB
4108-6dB	6dB
4108-10dB	10dB
4108-14dB	14dB
4108-20dB	20dB



**Rating:** 2W Avg. @ 77°F (25°C) max.  
50Ω impedance. Metal film resistor attenuator.

**BNC In-Series Resistor Attenuator**

Model#	Ω
4391-25	25
4391-50	50
4391-75	75
4391-600	600



**Rating:** Frequency Range DC to 500 MHz, +216°F (+102°C) max.  
Add series resistance to coaxial lines.  
1%, 2W, non-inductive film resistor.

**BNC Within Series Adapter Kit**

**Model# 5511**



An assortment of Pomona's popular BNC within series adapters.  
**Kit contains one each:**  
BNC Female to Female 3283  
BNC T (Female/Female/Female) 3284  
BNC T (Female/Male/Female) 3285  
BNC Male to Male 3533  
BNC Right Angle Male to Female 3534  
BNC T (Male /Female/Female) 4896

**BNC Shorting Cap or Dust**

Model#	Type
5085	Shorting cap
3839	Dust cap



Shorting cap provides protection and supplies a short across an input.  
Dust cap protects sensitive instrument inputs and is non-shorting.  
Tarnish resistant plating.  
3in (76.20mm) long chain.

**BNC Straight RF Plugs**



Fig. 1: Compression Style

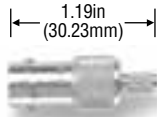


Fig. 3: Crimp Style

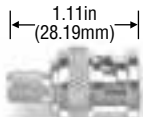


Fig. 2: Crimp Style



Fig. 4: Crimp Style



Fig. 5: Crimp Style\*

**Rating:** Maximum voltage for *hands free use*: 500 Vrms.

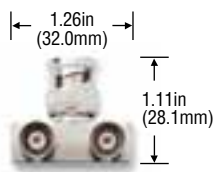
**BNC:** *Body*: tarnish resistant nickel-plated brass; *Center Contact*: male: gold-plated brass; female: gold-plated beryllium copper; *Dielectric*: PTFE.

**\*Performance:** 4 GHz with VSWR of 1.3 maximum from 0 to 4GHz.

\*\*see data sheet on website for ratings.

Model#	Type	Fig.	Cable Group RG <sub>U</sub> BNC
<b>50Ω Impedance Compression</b>			
4488	BNC (m)	1	142, 142A, 142B, 223, 58, 58A, 58C, 5B, 5BA, 5BC, 8C, 141, 141A
4997	BNC (m)	1	RG58 only
5307	BNC (m)	1	174, 174A, 179B, 187, 187A, 188, 188A, 316
<b>50Ω Impedance Crimp</b>			
5285	BNC (m)	2	RG58, 58A, 58C, 141, 141A
5344	BNC (f)	3	58, 58A, 58C, 141, 141A
7035*	BNC (m)	2	RG55A, 142, 142A, 223, 400
7040*	BNC (m)	2	RG179, 179B, 187, 187A, 174, 188, 188A, 316
73042**	BNC (m)	5	174, 188, 316
73043**	BNC (m)	2	8, 9, 11, 213, 214
73061	BNC (m)	5	58, 141
<b>75Ω Impedance</b>			
5286	BNC (m)	2	59, 59A, 59B, 62, 62A, 62B, 62C, 210
6702A	BNC (m)	4	59B, 20 AWG, Belden 1505A
6703A	BNC (m)	4	6B, 18 AWG, Belden 1694A
6704A	BNC (m)	4	59B, 23 AWG
6746A	BNC (m)	1	59, 59A, 59B, 62, 210, Belden 8241, 8263
6752A	BNC (m)	2	59A, 59B, 62, 210, Belden 8241, 8263
7042	BNC (m)	2	Belden 1407B, 1417B, 1164B, 1167B, 1418B, 11467B, 11865A

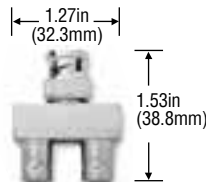
**BNC within Series Adapters**



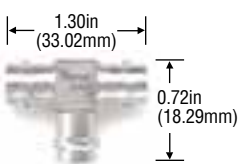
6701



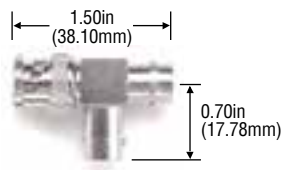
3534



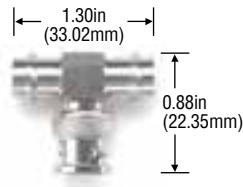
6700/6754



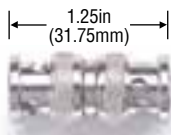
3284/6738



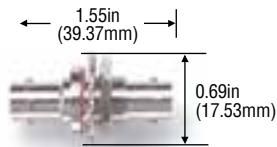
4896



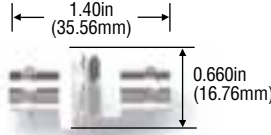
3285/6739



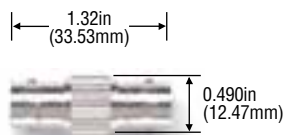
3533/6740



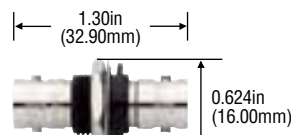
3847/6744  
See Cutout



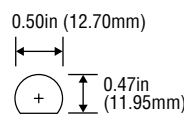
3846  
See Cut-Out



3283/6737



6705



Panel Cut-Out for  
3846/3847/6744

Model#	Type	Special Features
<b>50Ω Impedance</b>		
3283	BNC (f/f)	-
3533	BNC (m/m)	-
3285	BNC (f/m/f)	-
3284	BNC (f/f/f)	-
4896	BNC (m/f/f)	-
3534	BNC (f/m)	Right Angle
3847	BNC (f/f)	Hermetically Sealed (b)
3846	BNC (f/f)	Isolated Ground (a)
6700	BNC (f/m/f)	In-line
6701	BNC (f/m/f)	Right Angle
<b>75Ω Impedance</b>		
6705	BNC (f/f)	Isolated Ground (a)
6737	BNC (f/f)	-
6738	BNC (f/f/f)	-
6739	BNC (f/m/f)	-
6740	BNC (m/m)	-
6744	BNC (f/f)	Hermetically Sealed (b)
6754	BNC (f/m/f)	In-line

**Notes:** (a) Mounting hardware is isolated from outer conductor of BNC, (b) Leakage rate less than 10<sup>-7</sup> cc/sec of tracer gas at one atmosphere.

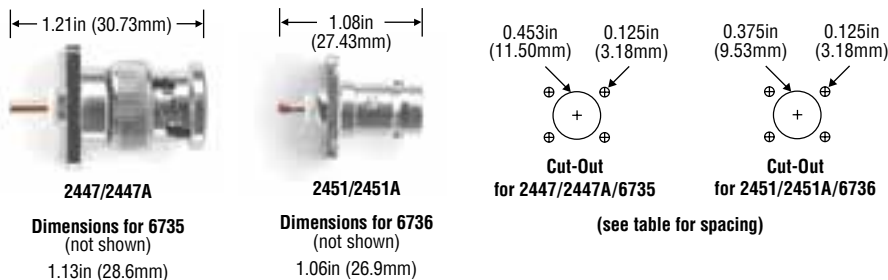
**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*, -85°F to +329°F (-65°C to +165°C).

**BNC:** *Shell*: tarnish resistant nickel-plated brass; *Center Contact*: male: gold-plated brass; female: gold-plated beryllium copper; *Dielectric*: PTFE.

**Bandwidth:** to 4 GHz.

\*see rating message at start of section.

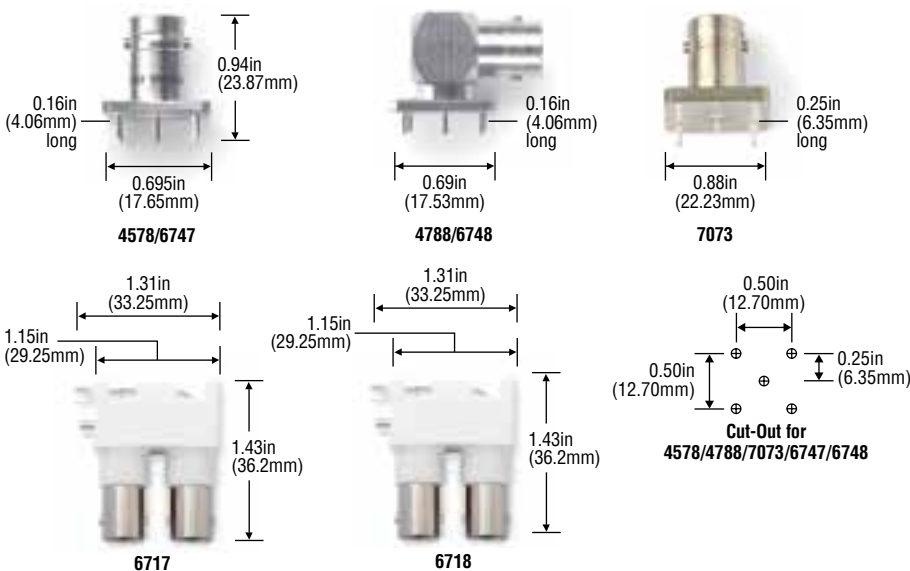
**BNC Panel Receptacles**



Model#	Type	Spacing
<b>50Ω Impedance</b>		
2447	BNC (m)	0.531in (13.46mm) hole spacing center to center
2451	BNC (f)	
2447A	BNC (m)	0.50in (12.70mm) hole spacing center to center
2451A	BNC (f)	
<b>75Ω Impedance</b>		
6735	BNC (m)	0.50in (12.70mm) hole spacing center to center
6736	BNC (f)	0.50in (12.70mm) hole spacing center to center

**BNC: Shell:** tarnish resistant nickel-plated brass; **Center Contact:** male: gold-plated brass; female: gold-plated beryllium copper; **Dielectric:** PTFE.

**BNC Female PCB Mount**

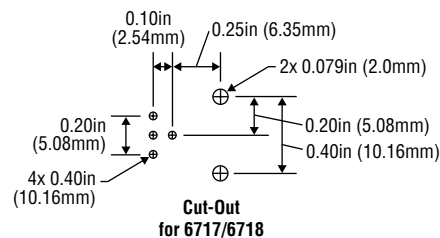


Model#	Type	Material
<b>50Ω Impedance</b>		
4578	Vertical BNC	-
4788	R/A BNC	Brass
6717	Dual R/A BNC	White Valox
7073*	Straight	Brass
<b>75Ω Impedance</b>		
6718	BNC (f)	White Valox
6747	BNC (f)	Vertical
6748	BNC (f)	Right Angle

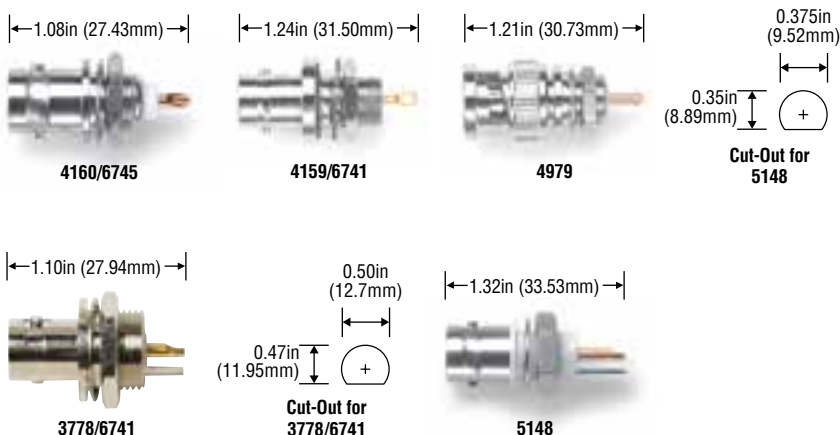
**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*, **Impedance:** 50Ω, -85 to +329°F (+165 to -65°C)

**BNC: Body:** tarnish resistant nickel-plated brass; **Contact:** gold-plated beryllium copper. **Dielectric:** PTFE.

\***Performance:** 4 GHz with Vswr of 1.3 maximum from 0 to 4GHz.



**BNC Bulkhead Receptacles**



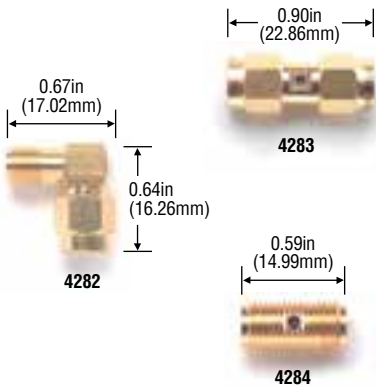
Model#	Type	Special Features	Max. Panel Thickness
<b>50Ω Impedance</b>			
3778	BNC (f)	Isolated Ground, Teflon Insulation	0.18in (4.57mm)
5148	BNC (f)	Isolated Ground, Valox Insulation	0.175in (4.45mm)
4159	BNC (f)	Hermetically Sealed*	0.37in (9.40mm)
4160		-	0.10in (2.54mm)
4979		-	0.19in (4.83mm)
<b>75Ω Impedance</b>			
6741	BNC (f)	Isolated Ground	-
6745	BNC (f)	-	-

\* Leakage rate less than 10<sup>-7</sup> cc/sec of tracer gas at one atmosphere.

**BNC: Body:** tarnish resistant nickel-plated brass; **Center Contact:** male: gold-plated brass; female: gold-plated beryllium copper (except as noted); **Dielectric:** PTFE.

Mounting hardware is isolated from outer conductor of BNC.

**SMA within Series Adapters**



Model#	Type
4282	SMA (f) to (m), Right Angle
4283	SMA (m) to (m)
4284	SMA (f) to (f)

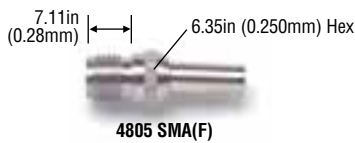
**SMA:** Shell: gold-plated brass; Center Contacts: gold-plated brass; Dielectric: PTFE.

**Frequency Range:** 4283, 4284: 12.4GHz; 4282: 12GHz.

**SMA Connector**



4804/4859 SMA(M)



4805 SMA(F)

Model#	Fits Cable Types
4804	RG174, 179, 187
4805	RG188, 316
4859	RG55, 142

Supplied with center conductor and sleeve.

**Impedance:** 50Ω.

**SMA:** Shell: passivated steel; Dielectric: PTFE.

**SMA Male Terminator Plug**



0.31in (7.87mm) Hex

**Model# 4286**

**Rating:** Maximum voltage for hands free use: 335 Vrms\*.

**Impedance:** 50Ω 1/2 W., 1%.

**VSWR:** 1.25 max. to 18GHz, 1/2 W, 85°F to +329°F (65°C to +165°C).

Resistor Terminator.

Gold-plated stainless steel with Teflon insulation.

**SMA Plug, 50Ω Termination**



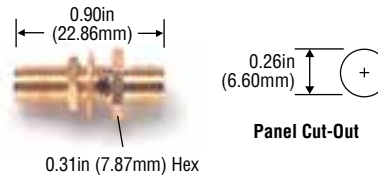
**72975**

**Bandwidth:** 0-12.4 GHz on flexible cable.

**Rating:** For CE compliance and personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 500 Vpeak: RG58, 141, 143; 375 Vpeak: RG174, 188, 316. Do not use on circuits where transient stresses can exceed the rated voltage.

**Materials:** Body: machined brass, gold-plated finish; Center Contacts: plug: gold-plated brass; jack: gold-plated beryllium copper.

**SMA Female to Female Bulkhead Receptacle**



Panel Cut-Out

**Model# 4285**

**SMA:** Shell: gold plated brass; Center Contacts: gold plated brass; Dielectric: PTFE.

**SMA Shorting Cap**



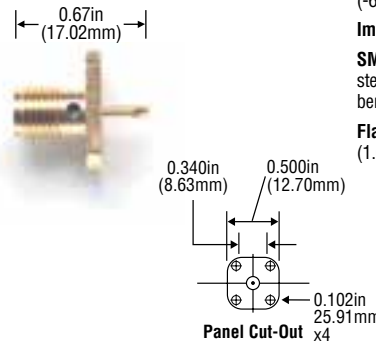
0.31in (7.87mm) Hex

**Model# 5088**

Screw onto SMA female. Protects sensitive instrument inputs or provides a necessary reference short.

**SMA:** Shell: gold plated; Center Contacts: gold-plated steel.

**SMA Female Panel Receptacle**



Panel Cut-Out x4

**Model# 4850**

**Rating:** Maximum voltage for hands free use: 335 Vrms\*, -85°F to +329°F (-65°C to +165°C).

**Impedance:** 50Ω.

**SMA:** Body: gold-plated stainless steel; Center Contact: gold-plated, beryllium copper; Dielectric: PTFE.

**Flange thickness:** 0.065in (1.65mm).

\*see rating message at start of section.

**RF SMA Connectors**

**Bandwidth:** 0-12.4 GHz on flexible cable (see data sheet on website).

**Rating:** For CE compliance and personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 500 Vpeak: RG58, 141, 143; 375 Vpeak: RG174, 188, 316. Do not use on circuits where transient stresses can exceed the rated voltage.

**Materials:** *Body:* machined brass, gold-plated finish; *Center Contacts:* plug: gold-plated brass; jack: gold-plated beryllium copper.

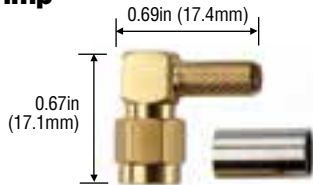
**Above specifications apply to the models on this page**

**SMA 50Ω Plug**



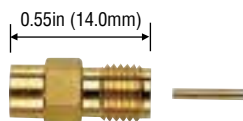
Model#	Description	Cable Group RG /U
72943	Straight Crimp	58
72944	Straight Crimp	141
72945	Straight Crimp	142, 400
72946	Straight Crimp	174, 188, 316
72950	Straight Crimp, Reverse Polarity	174, 188, 316

**SMA 50Ω Plug, Right-Angle Crimp**



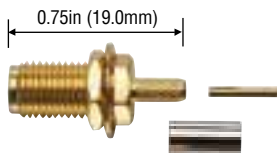
Model#	Cable Group RG /U
72958	58
72959	141, 174, 188, 316
72960	142, 400

**SMA 50Ω Jack, Straight Crimp**



Model#	Cable Group RG /U
72952	141
72953	142, 400
72954	174, 188, 316

**SMA 50Ω Jack, Bulkhead Crimp**



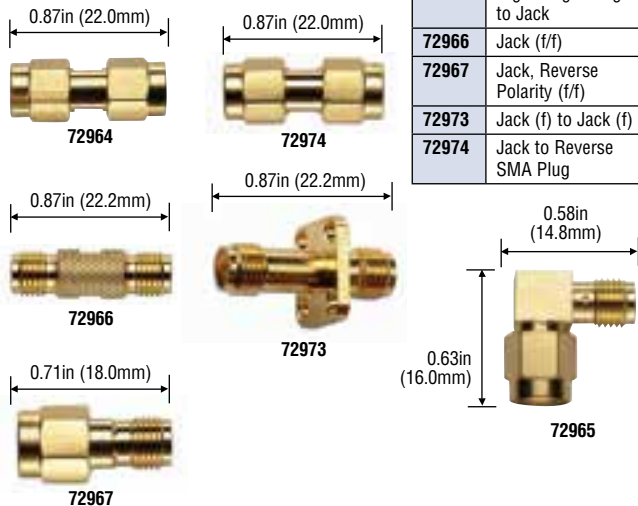
Model#	Cable Group RG /U
72956	174, 178, 188, 316

**SMA 50Ω Jack, Panel Receptacle**



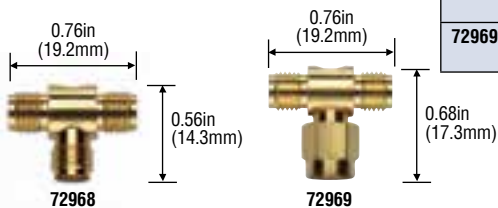
Model#	Description
72961	2 Hole
72962	4 Hole

**SMA 50Ω Within Series Adapters**



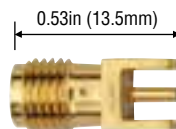
Model#	Description
72964	Plug (m/m)
72965	Right-Angle Plug to Jack
72966	Jack (f/f)
72967	Jack, Reverse Polarity (f/f)
72973	Jack (f) to Jack (f)
72974	Jack to Reverse SMA Plug

**SMA 50Ω T Type**



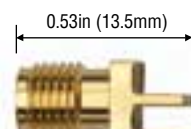
Model#	Description
72968	Jack (f)/ Jack (f)/Jack (f)
72969	Jack (f)/Plug (m)/ Jack (f)

**SMA 50Ω Jack, Straight PCB Receptacle**



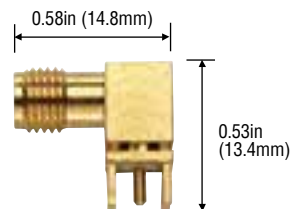
72963

**SMA 50Ω Jack, Straight PCB Receptacle Edge Mount**



72970

**SMA 50Ω Jack, Right-Angle PCB Receptacle**



72971



RF SMB Connectors

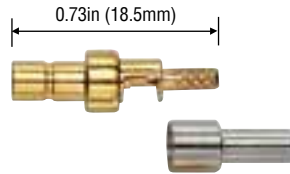
**Bandwidth:** 3-4 GHz, depending upon connector (see data sheet on website).

**Rating:** For CE compliance and personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 250 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage.

**Materials:** *Body:* machined brass, gold-plated finish; *Center Contacts:* plug: gold-plated brass; *Jack:* gold-plated beryllium copper.

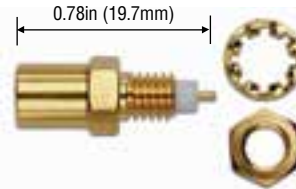
Above specifications apply to the models on this page except 5375

SMB Jack, Straight Crimp



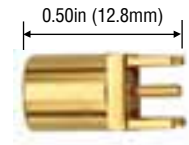
Model#	Ω	Cable Group RG /U
72983	50	178, 196
72984	50	174, 188, 316
72985	75	179, 187

SMB 50Ω Plug, Panel Receptacle



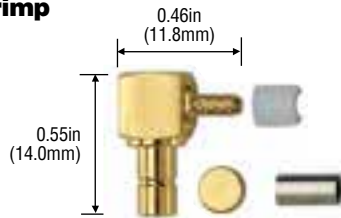
72999

SMB 50Ω Plug, Straight PCB Receptacle



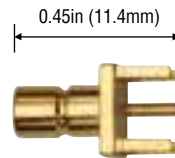
72995

SMB Jack, Right-Angle Crimp



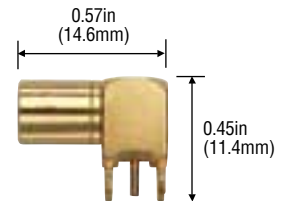
Model#	Ω	Cable Group RG /U
72991	50	178, 196
72992		174, 188, 316
72993	75	179, 187

SMB 50Ω Jack, Straight PCB Receptacle



72996

SMB 50Ω Plug, Right-Angle PCB Receptacle



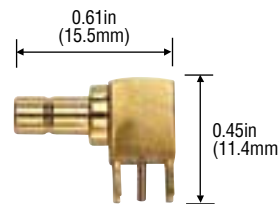
72997

SMB Plug, Straight Crimp



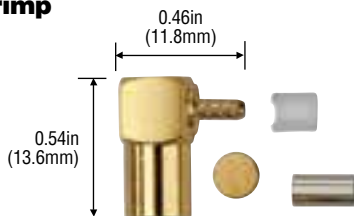
Model#	Ω	Cable Group RG /U
72980	50	178, 196
72981		174, 188, 316
72982	75	179, 187

SMB 50Ω Jack, Right-Angle PCB Receptacle



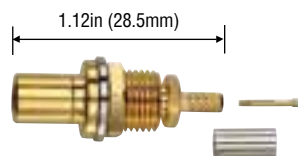
72998

SMB Plug, Right-Angle Crimp



Model#	Ω	Cable Group RG /U
72987	50	178, 196
72988		174, 188, 316
72989	75	179, 187

SMB Plug, Bulkhead



Model#	Ω	Cable Group RG /U
73000	50	174, 188, 316
73001	75	179, 187

SMB Plug Connector Crimp Type



Model# 5375

This SMB (Subminiature "B") connector snap together for quick assembly.

**Fit Cable Types:** RG174, 179, 187, 188, 316

**Rating:** Maximum voltage for *hands free use:* 335 Vrms\*, -85°F to +329°F (-65°C to +165°C).

**Impedance:** 50Ω.

**Frequency Range:** DC to 4GHz.

**SMB:** *Shell:* tarnish resistant nickel-plated brass; *Contact:* male: gold-plated brass; female: gold-plated beryllium copper; *Dielectric:* PTFE.

\*see rating message at start of section.

**RF MCX Connectors**

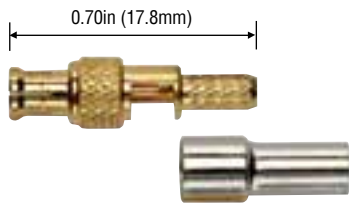
**Bandwidth:** 3-6 GHz, depending upon connector. (see data sheet on website.)

**Working Voltage:** For CE compliance and personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 170 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage.

**Materials:** *Body:* brass, gold-plated finish; *Center Contacts:* plug: gold-plated brass; jack: gold-plated beryllium copper.

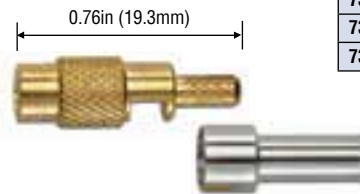
**Above specifications apply to the models on this page**

**MCX Plug, Straight Crimp**



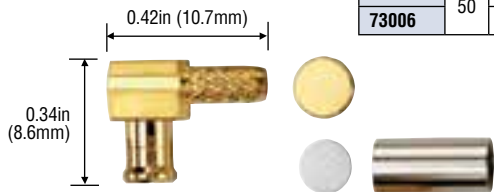
Model#	Ω	Cable Group RG /U
73002	50	174, 316
73003		178
73004	75	179

**MCX Jack, Straight Crimp**



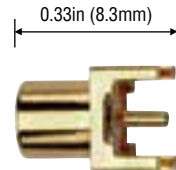
Model#	Ω	Cable Group RG /U
73010	50	174, 316
73011		178
73012	75	179

**MCX Plug, Right-Angle Crimp**



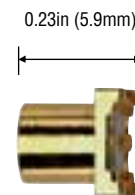
Model#	Ω	Cable Group RG /U
73005	50	174, 316
73006		178

**MCX 50Ω Jack, Straight PCB Receptacle**



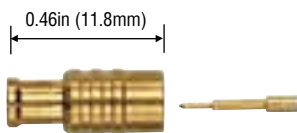
73007

**MCX 50Ω Jack, Straight Surface Mount Receptacle**



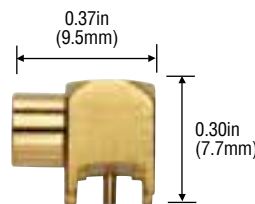
73018

**MCX Plug, Straight Semi-Rigid Crimp**



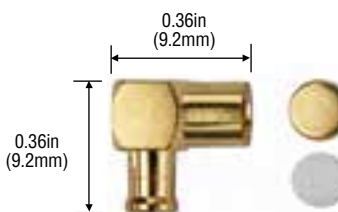
Model#	Ω	Cable Group RG /U
73014	50	402
73015		405

**MCX 50Ω Jack, Right-Angle PCB Receptacle**



73008

**MCX Plug, Right-Angle Semi-Rigid Crimp**



Model#	Ω	Cable Group RG /U
73016	50	402
73017		405

**RF MMCX Connectors**

**Bandwidth:** 3-6 GHz, depending upon connector (see data sheet on website).

**Working Voltage:** For CE compliance and personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 170 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage.

**Materials:** Body: brass, gold-plated finish; Center Contacts: plug: gold-plated brass; jack: gold-plated beryllium copper.

Above specifications apply to the models on this page

**MMCX 50Ω Plug, Straight Crimp**

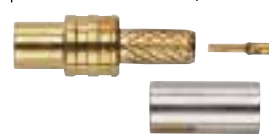
0.57in (14.6mm)



Model#	Cable Group RG /U
73023	174, 316
73024	178

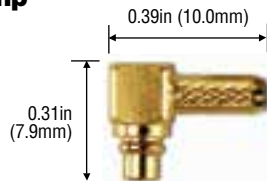
**MMCX 50Ω Jack, Straight Crimp**

0.52in (13.3mm)



Model#	Cable Group RG /U
73029	174, 316
73030	178

**MMCX 50Ω Plug, Right-Angle Crimp**



Model#	Cable Group RG /U
73025	174, 316
73026	178

**MMCX 50Ω Jack, Straight Semi-Rigid Crimp**

0.53in (13.4mm)



Model#	Cable Group RG /U
73037	405

**MMCX 50Ω Plug, Straight Semi-Rigid Crimp**

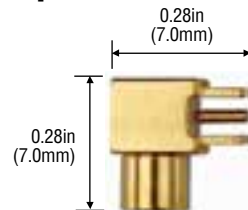
0.53in (13.5mm)



Model#	Cable Group RG /U
73034	402
73035	405

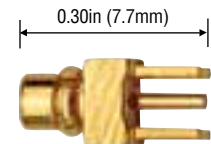
**MMCX 50Ω Jack, Right-Angle PCB Receptacle**

73028

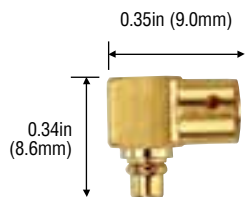


**MMCX 50Ω Plug, Straight Edgecard**

73038



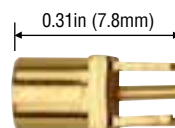
**MMCX 50Ω Plug, Right-Angle Semi-Rigid Crimp**



Model#	Cable Group RG /U
73032	402
73033	405

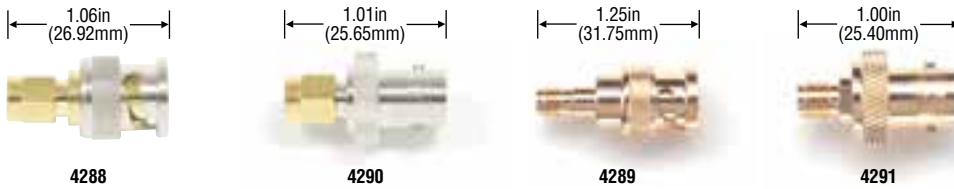
**MMCX 50Ω Jack, Straight Edgecard**

73039



\*see rating message at start of section.

**SMA to BNC**



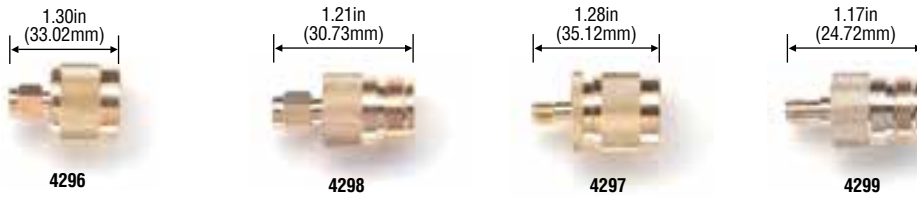
Model#	Type
4288	SMA (m) to BNC (m)
4290	SMA (m) to BNC (f)
4289	SMA (f) to BNC (m)
4291	SMA (f) to BNC (f)

**Rating:** Maximum voltage for *hands free use*: 335 Vrms\*.

**Impedance:** 50Ω.

**SMA:** *Shell:* gold-plated brass; *Center Contacts:* male: gold-plated brass; female: gold-plated beryllium copper; *Dielectric:* PTFE.

**SMA to Type N**



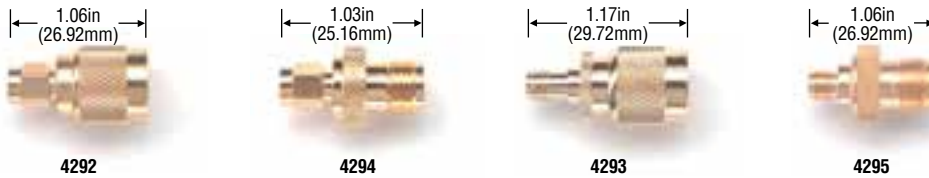
Model#	Type
4296	SMA (m) to type N (m)
4298	SMA (m) to type N (f)
4297	SMA (f) to type N (m)
4299	SMA (f) to type N (f)

**Rating:** Maximum voltage for *hands free use*: 335 Vrms\*.

**Impedance:** 50Ω.

**Material:** *Shell:* gold-plated brass; *Center Contacts:* gold-plated brass; *Dielectric:* PTFE.

**SMA to TNC**



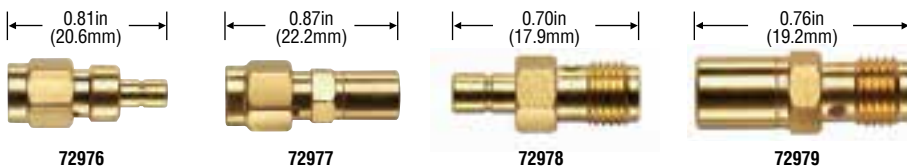
Model#	Type
4292	SMA (m) to TNC (m)
4294	SMA (m) to TNC (f)
4293	SMA (f) to TNC (m)
4295	SMA (f) to TNC (f)

Maximum voltage for *hands free use*: 335 Vrms\*.

**Impedance:** 50Ω.

**Material:** *Shell:* gold-plated brass; *Center Contacts:* gold-plated brass; *Dielectric:* PTFE.

**SMA to SMB**



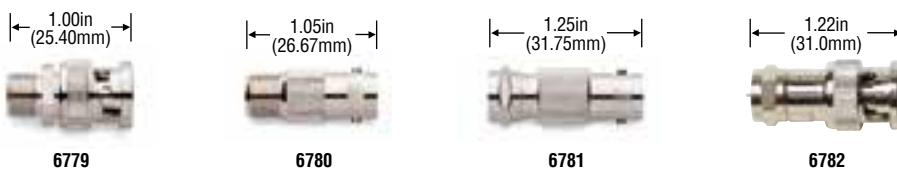
Model#	Type	
72976	SMA (m) to SMB (m)	50
72977	SMA (m) to SMB (f)	
72978	SMA (f) to SMB (m)	
72979	SMA (f) to SMB (f)	

**Bandwidth:** 0-12.4 GHz on flexible cable.

**Rating:** For CE compliance and personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 500 Vpeak: RG58, 141, 143; 375 Vpeak: RG174, 188, 316. Do not use on circuits where transient stresses can exceed the rated voltage.

**Materials:** *Body:* machined brass, gold-plated finish; *Center Contacts:* plug: gold-plated brass; jack: gold-plated beryllium copper.

**BNC to F**



Model#	Type
6779	BNC (m)/F (f)
6780	BNC (f)/F (f)
6781	F (m)/BNC (f)
6782	BNC (m)/F (m)

**BNC:** *Shell:* tarnish resistant nickel-plated brass; *Center Contact:* male: gold-plated brass; female: gold-plated beryllium copper (except as noted); *Dielectric:* PTFE.

**Type N Adapters**



Model#	Type
3841	N (f/f)
3842	N (m/m)
3843	N (f/m)
5089	N (f/f/f)
73044*	N (m/f/m)
73045*	N (f/f) Pressurized Bulkhead

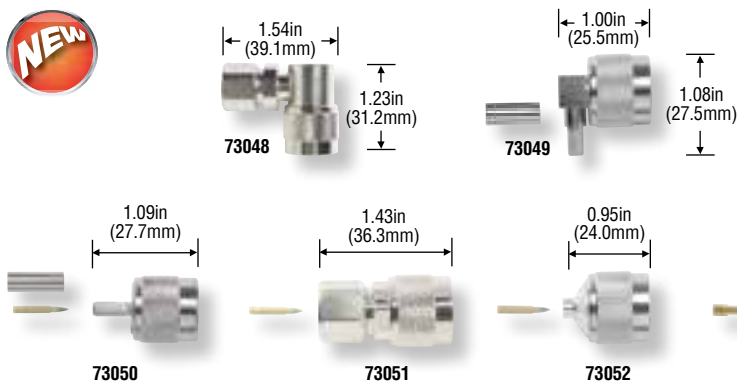
**N:** Body: nickel plated or bronze-plated white brass; Center Contact: male: gold-plated brass, female: beryllium copper or phosphor bronze, gold-plated; Dielectric: PTFE.

**Impedance:** 50Ω.

**Rating:** Maximum voltage for hands free use: 1,000 Vrms\*.

\*see data sheet on website for ratings

**Type N Male 50Ω Connectors**

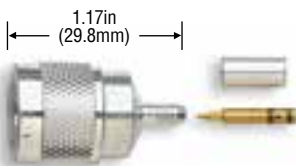


Model#	Type	Cable Group RG_/U BNC	Rating
73048	N (m) Right Angle	214, 225, 393	1000V
73049	N (m) Right Angle	55, 142, 223	1500V
73050	N (m)	58, 141	1500V
73051	N (m)	8, 213	1500V
73052	N (m) Semi-Rigid	402	1500V
73062	N (m)	8, 9, 144, 165, 213, 214, 216, 225	1000V

**N:** Body: nickel-plated brass; Center Contact: gold-plated brass; Dielectric: PTFE.

**Impedance:** 50Ω.

**Type N Male Straight RF Connector Crimp**



Model# 7057

Fit Cable Types: RG55, 142, 223, 400.

Impedance: 50Ω.

**N:** Body: bronze-plated white brass; Center Contact: male: gold-plated brass; female: gold-plated heat treated beryllium copper; Dielectric: PTFE.

**Performance:** 11 GHz with Vswr of 1.3 maximum from 0 to 11 GHz.

Use with crimp die set model 7281, crimp tool model 7277.

**Type N Male Connectors**



Model# 4787

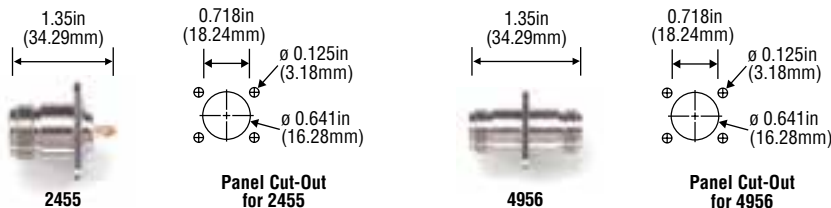
Fit Cable Types: RG58 and 142, 223, 141, 400.

**N:** Body: bronze-plated white brass; Center Contact: male: gold-plated brass; female: gold-plated beryllium copper; Dielectric: PTFE.

Impedance: 50Ω.

**Rating:** Maximum voltage for hands free use: 1,000 Vrms\*.

**Type N Panel Mount Receptacle**



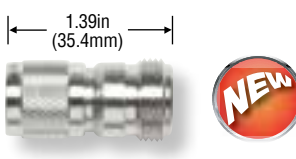
Model#	Type
2455	N (f)
4956	N (f)

**N:** Body: bronze-plated white brass; Center Contact: female: gold-plated beryllium copper; Dielectric: PTFE.

Impedance: 50Ω.

**Rating:** Maximum voltage for hands free use: 1,000 Vrms\*.

**Type N to TNC**



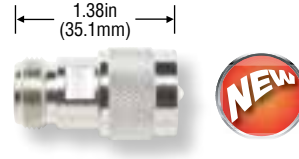
Model#	Type
73046	N (f)/TNC (m)

**N/TNC:** Body: nickel-plated brass; Center Contact: gold-plated phosphor bronze; Insulators: PTFE.

Impedance: 50Ω.

**Rating:** Maximum voltage for hands free use: 1500 V.

**Type N to UHF**



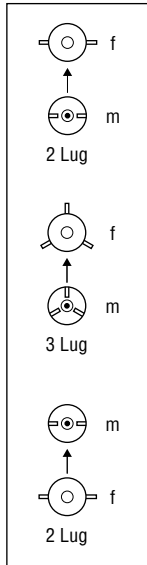
Model#	Type
73047	N (f)/UHF (m)

**N/UHF:** Body: nickel-plated brass; Center Contact: gold-plated phosphor bronze; Insulators: PTFE.

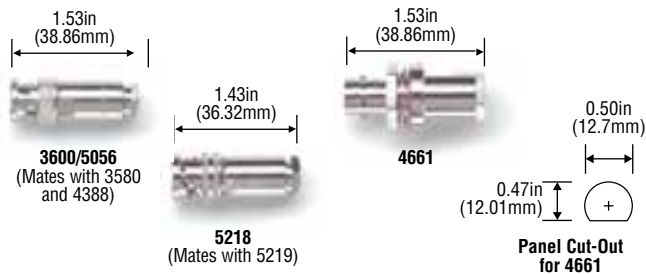
**Rating:** Maximum voltage for hands free use: 750 V.

\*see rating message at start of section.

\*see data sheet on website for ratings.



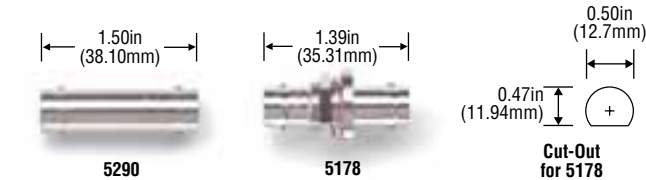
**Triaxial Cable Plugs and Jacks**



Model#	Lugs	Max. Panel Thickness	Fits Cable Types
3600	2 Lug (m)	-	Belden twinaxial 9272 0.242in (6.15mm) O.D.
4661	2 Lug (f)	0.14in (3.56mm)	Microdot 293-3930 0.175in (4.45mm) O.D.
5056	2 Lug (m)	-	Belden triaxial 9222
5218	3 Lug (m)	-	0.242in (6.15mm) O.D.

**Triaxial:** *Body/Fittings:* tarnish resistant nickel-plated brass; *Center Contact:* male: gold-plated brass; female: gold-plated beryllium copper; *Outer Contact:* gold-plated beryllium copper; *Dielectric:* PTFE.

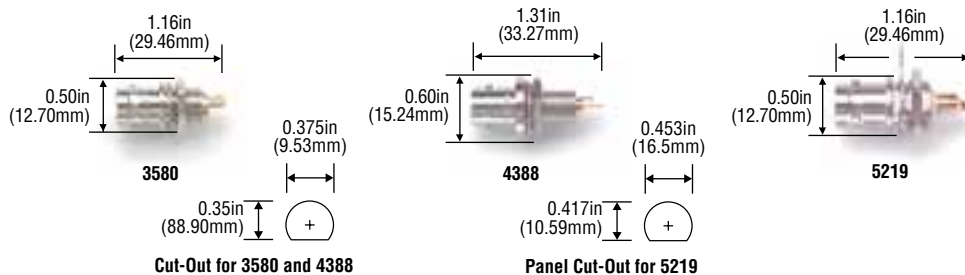
**Triaxial Adapters**



Model#	Lugs	Max. Panel Thickness
5178	2 Lug (f)	0.25in (6.35mm)
5290	2 Lug (f)	-

**Triaxial:** *Body/Fittings:* tarnish resistant nickel-plated brass; *Center Contact:* female: gold-plated beryllium copper; *Outer Contact:* gold-plated beryllium copper; *Dielectric:* PTFE.

**Triaxial Female Bulkhead Receptacles**



Model#	Lugs	Max. Panel Thickness
3580	2 lug (f)	0.25in (6.35mm)
4388*	2 lug (f)	0.25in (6.35mm)
5219	3 lug (f)	0.14in (3.56mm)

\*Hermetically sealed leakage less than 10-7 cc/sec tracer gas at one atmosphere.

**Triaxial:** *Body/Fittings:* tarnish resistant nickel-plated brass; *Center Contact:* female: gold-plated beryllium copper; *Outer Contact:* gold-plated beryllium copper; *Dielectric:* PTFE.

**Twinax Cable Plug**



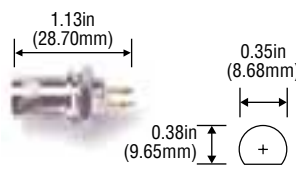
Model# 4957

Use on twinaxial cable types RG108 and Belden 9272. Polarized Contact (One Male, One Female).

**Rating:** Maximum voltage for *hands free use:* 500 Vrms\*, -85 to +329°F (-65 to +165°C).

**Material:** *Body:* tarnish resistant nickel-plated brass; *Contact:* male: gold-plated brass; female: gold-plated beryllium copper; *Dielectric:* PTFE.

**Twinax Bulkhead Receptacle**



Panel Cut-Out

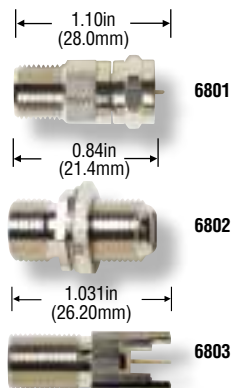
Model#	Max. Panel Thickness
4958	0.13in (3.30mm)

**Rating:** Maximum voltage for *hands free use:* 500 Vrms\*, -85 to +329°F (-65 to +165°C).

Polarized Contact (One Male, One Female).

**Material:** *Body:* tarnish resistant nickel-plated brass; *Contact:* male: gold-plated Bbrass; female: gold-plated beryllium copper; *Dielectric:* PTFE.

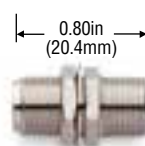
**F Adapters and PCB Mount Connectors**



Model#	Type
6801	F (M/F) In-Line adapter
6802	F (F/F) Bulkhead adapter
6803	F (F) PCB mount connector

**Material:** These 75 Ω connectors are designed for fast installation with no crimping. Connectors are precision machined brass with nickel plating and gold plated center contacts.

**F Female to Female Bulkhead Receptacle**

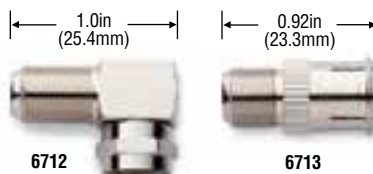


Model# 6706

In line, with nut and washer

**Material:** Machined, nickel-plated brass.

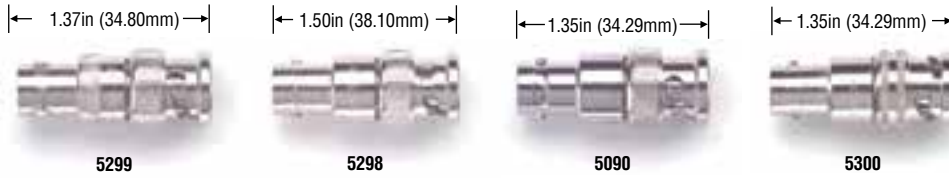
**F within Series Adapters**



Model#	Type
6712	F (m/f) Right angle
6713	F (m/f) In line, Push-on

**Material:** Machined, nickel-plated brass.

**Triaxial to BNC**



Model#	Type
5299	3 Lug Triax (f)/BNC (m) adapter
5298	2 Lug Triax (f)/BNC (m) adapter
5090	BNC (f)/2 Lug Triax (m) adapter
5300	BNC (f)/3 Lug Triax (m) adapter



Triaxial shell is shorted to outer shield

**Triaxial:** Body: tarnish resistant nickel-plated brass; **Center Contact:** male: gold-plated brass; female: gold-plated beryllium copper; **Outer Contact:** gold-plated beryllium copper; **Dielectric:** PTFE.

**BNC to TNC**



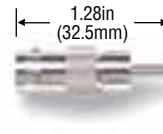
Model#	Type
3844	BNC (f)/TNC (m)

**Rating:** Maximum voltage for *hands free use*: 500 Vrms\*, -85°F to +325°F (-65°C to +165°C) (except as noted).

**Impedance:** 50Ω (except as noted).

**BNC:** Shell: tarnish resistant nickel-plated brass; **Center Contact:** male: gold-plated brass; female: gold-plated beryllium copper (except as noted); **Dielectric:** PTFE.

**BNC Female to Phono (RCA) Male**

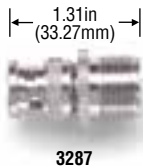


Model#
5319

**Rating:** *Hands free testing* in controlled voltage environment: 500 Vrms\*, 216°F (+102°C) max.

**BNC:** Center Contact: gold-plated.

**UHF to BNC**



Model#	Type	Special Features
3287	BNC (m)/UHF (f)	Phos. Bronze Contact Nonconstant Impedance
3286	BNC (f)/UHF (m)	Nonconstant Impedance

**Rating:** Maximum voltage for *hands free use*: 335 Vrms\*, -85 to +325°F (-65 to +165°C) (except as noted).

**Impedance:** 50Ω (except as noted).

**UHF:** Shell: tarnish resistant nickel-plated brass; **Center Contact:** male: gold-plated brass; female: gold-plated beryllium copper (except as noted); **Dielectric:** PTFE.

**BNC Male to Phono Jack**



Model#
4054

**Rating:** *Hands free testing* in controlled voltage environment: 500 Vrms\*, +257°F (+125°C) max.

**Type N to BNC**



Model#	Type	Special Features
3535	BNC (m)/N (f)	
3288	BNC (f)/N (m)	Beryllium Copper Male Contact

**Rating:** Maximum voltage for *hands free use*: 500 Vrms max., -85 to +325°F (-65 to +165°C) (except as noted).

**Impedance:** 50Ω (except as noted).

**N:** Shell: tarnish resistant nickel-plated brass; **Center Contact:** male: gold-plated brass; female: gold-plated beryllium copper (except as noted); **Dielectric:** PTFE.

**BNC Female to Two Conductor, 0.14in (3.5mm) Dia. Mini Phone Plug**



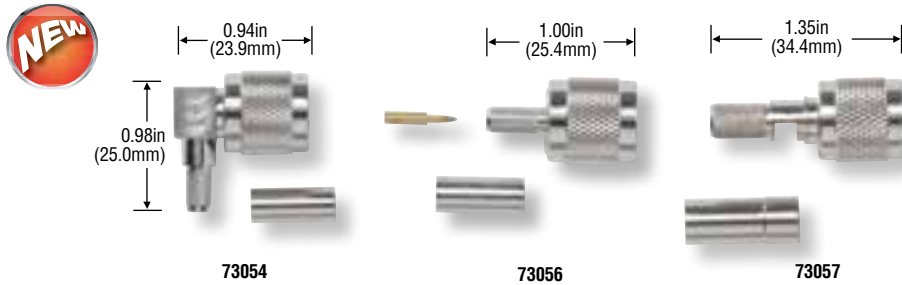
Model#
3837

**Rating:** *Hands free testing* in controlled voltage environment: 500 Vrms\*, +257°F (+125°C) max.

Convert 2 conductor audio jacks to BNC.

\*see rating message at start of section.

**TNC Connectors**



Model#	Type	Cable Group RG_/U BNC
73054	TNC (m) Right Angle	55, 142, 223, 400
73056	TNC (m)	58, 141
73057	TNC (m)	59, 62

**N:** Body: nickel-plated brass; Center Contact: gold-plated brass; Insulators: PTFE.  
**Impedance:** 50Ω.  
**Rating:** Maximum voltage for hands free use: 1500 V.

**TNC Adapter**



Model#	Type
73053	TNC (f/m) Right Angle

**N/TNC:** Body: nickel-plated brass; Center Contact: male: gold-plated brass, female: gold-plated phosphor bronze; Insulators: PTFE.  
**Impedance:** 50Ω.  
**Rating:** Maximum voltage for hands free use: 1500 V.

**UHF Connectors**



Model#	Type	Cable Group RG_/U
73059	UHF (m)	8, 9, 11, 63, 87A, 213, 214, 225

**UHF:** Body: nickel-plated brass; Center Contact: gold-plated phosphor bronze; Insulators: PTFE.  
**Rating:** Maximum voltage for hands free use: 750 V.

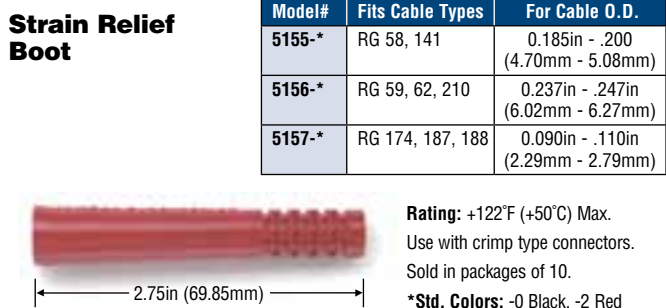
**UHF Adapter**



Model#	Type
73058	UHF (f/f)

**UHF:** Body: nickel-plated brass; Center Contact: gold-plated phosphor bronze; Insulators: PTFE.  
**Rating:** Maximum voltage for hands free use: 750 V.

**Strain Relief Boot**



Model#	Fits Cable Types	For Cable O.D.
5155-*	RG 58, 141	0.185in - .200 (4.70mm - 5.08mm)
5156-*	RG 59, 62, 210	0.237in - .247in (6.02mm - 6.27mm)
5157-*	RG 174, 187, 188	0.090in - .110in (2.29mm - 2.79mm)

**Rating:** +122°F (+50°C) Max.  
 Use with crimp type connectors.  
 Sold in packages of 10.  
**\*Std. Colors:** -0 Black, -2 Red

**BNC Male with Strain Relief Boot**



Make your own cable with strain relief.  
 5076: Black boot with nut only.  
 For use with connectors using a 7/16-28 clamp nut. Simply replace supplied nut with the one on the boot.  
**Rating:** Maximum voltage for hands free use: 500 Vrms\*, +122°F (+50°C) max.

Model#	Fits Cable Types	For Cable O.D.
5066-*	RG 58, 141	0.185in - 0.200 (4.70mm - 5.08mm)
5068-*	RG 174, 187, 188	0.090in - 0.110in (2.29mm - 2.79mm)
5076-*	RG 58, 141	0.185in - 0.200in (4.70mm - 5.08mm)

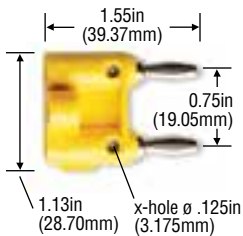
\*Available in -0 black only



# Banana Plugs and Jacks

Just need a reliable plug or jack? Making your own test set? Pomona Electronics' selection is designed to meet demanding electrical characteristics. Nickel-plated plugs feature brass bodies and one-piece heat-treated beryllium copper springs with nylon or ABS insulation. Choose Pomona for the reliable and dependable connections your work demands.

## Double Banana Plug with Wire Guide, Stackable, Solderless



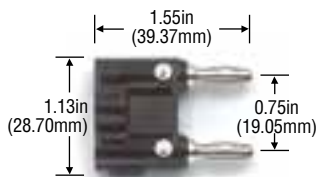
Model#	Plating	Insulation	*Std. Colors
MDP-*	Nickel	Polypropylene	-0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White
4892-*	Gold	Polypropylene	-0 Black, -2 Red
4898-*	Nickel	Polyphenylene Sulfide	-0 Black, -6 Blue
4914	Set screws 8-32 x 0.210in (5.33mm), 100/pk		

Set screws secure wire. Simplifies cable construction or component mounting. Accepts cables to 0.22in (5.59mm) dia. max., (18-22 AWG wire).

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Finish: nickel plating.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) (Model 4898, +302°F (+150°C) max.).

## Double Banana Plug with Solder Turret Terminals



### Model# MDP-ST

Similar to MDP above except with bright tin plated solder turrets. Accepts cables to 0.215in (5.46mm) dia. max.

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Finish: nickel plating; Insulation: polypropylene.

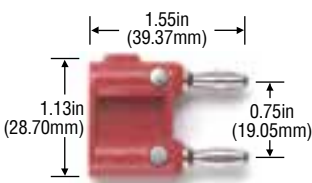
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.

**Color:** Black.

### Model# 4914

Set screws 8-32 x 0.210in (5.33mm), 100/pk.

## Double Banana Plug with Solder Turret Terminals



### Model# 1330-ST-\*

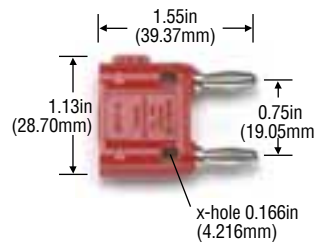
Similar to Model 1330 above, but features bright tin plated solder turrets.

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Finish: nickel plating; Insulation: polypropylene.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red.

## Double Banana Plug with Shorting Bar



### Model# MDP-S-\*

Banana plugs internally shorted with #18 AWG wire.

X-hole accepts standard banana plug.

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Finish: nickel plating; Insulation: Polypropylene.

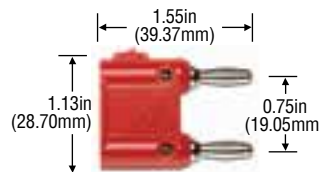
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red, -9 White.

### Model# 4914

Set screws 8-32 x 0.210in (5.33mm), 100/pk.

## Double Banana Plug, Stackable, Solderless



### Model# 1330-\*

Similar to MDP without cable loop.

Features recess for mounting small components with set screws.

Model 1330 has setscrews like MDP.

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Finish: nickel plating; Insulation: Polypropylene.

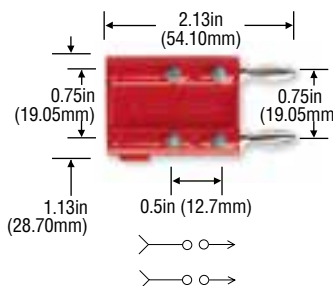
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red.

### Model# 4914

Set screws 8-32 x 0.210in (5.33mm), 100/pk.

## Isolated Double Banana Plug with Four Solder Terminals



### Model# MDP-X

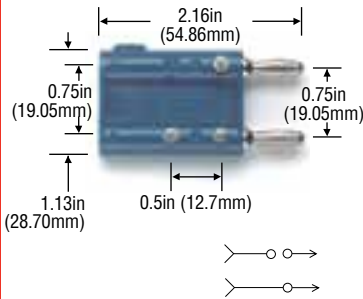
Use to make your own attenuator, balun or filter. Jacks are isolated from plugs.

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Finish: nickel plating; Insulation: Polypropylene; Solder turrets; bright tin plated.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.

**Color:** Red.

**Isolated Double Banana Plug with Three Solder Terminals**



**Model# 1837**

Use to make your own attenuator, balun or filter.

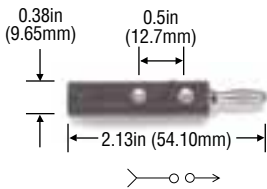
One jack is isolated.

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Finish: nickel plating; Insulation: polypropylene; Solder turrets: bright tin plated.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.

**Color:** Blue.

**Isolated Single Banana Plug with Two Solder Terminals**



**Model# 1390-\***

Ideal for computers, lab circuit design and testing.

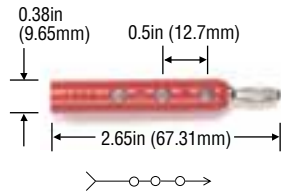
Jack is isolated from plug.

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Finish: nickel plating; Insulation: polypropylene; Solder turrets: bright tin plated.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.

**\*Std. Colors:** -0 Black, -2 Red.

**QUAD Stacking Plug**



**Model# 3364-\***

Features one in-line stacking and three cross-stacking connections.

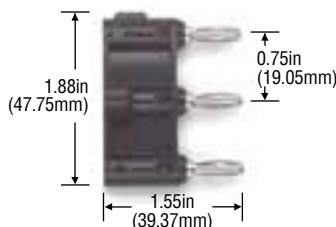
All jacks are connected to plug.

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Finish: nickel plating; Insulation: ABS.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) Max.

**\*Std. Colors:** -0 Black, -2 Red.

**Triple Banana Plug, Stackable, Solderless**



**Model# 2970-\***

Use for balanced line 2 conductor shielded cable assemblies. Accepts cables to 0.250in (6.35mm) dia. max., Setscrews secure wires.

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Finish: nickel plating; Insulation: Polypropylene.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max.

**\*Std. Colors:** -0 Black, -2 Red.

**4mm Safety Banana Jack to Banana Plug Adapter**



**Model# 6728**

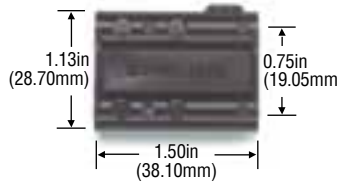
Accepts safety-sheathed 4mm banana plug and adapts to standard banana plug.

**Material:** nickel plated brass.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum, -10 to +55°C.

**\*Std. Colors:** -0 Black, -2 Red.

**Double Banana Plug Splice**



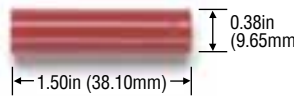
**Model# 1823-\***

Provides rapid method for splicing cables.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.

**\*Std. Colors:** -0 Black, -2 Red.

**Single Banana Plug Splice**



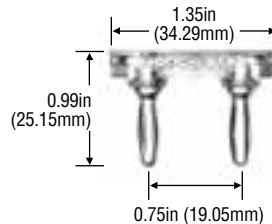
**Model# 1829-\***

Provides rapid method for splicing single banana plug patch cords.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +55°C (+131°F) max.

**\*Std. Colors:** -0 Black, -2 Red.

**Insulated Double Banana Plug Shorting Bar**



**Model# 5145**

Shorting bar is completely insulated in clear ABS thermoplastic.

Fits standard 0.166in (4.22mm) dia. banana jack.

**Material:** Banana Plug Body: brass; Spring: beryllium copper; Finish: nickel plating.

**Rating:** 15A, +122°F (+50°C) max., resistance less than 1.5mΩ.

**Do-It-Yourself 4mm Stackable Banana Plug, Solder**



**Model# 6721**

Build your own safety stacking leads with do-it-yourself safety-sheathed 4mm stackable banana plugs.

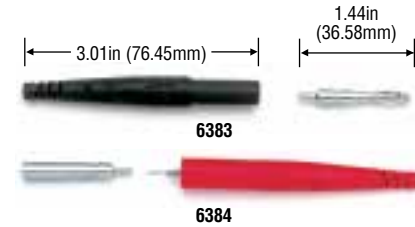
**Material:** Contacts: nickel-plated brass, Insulation: lucel acetal polymer.

**Rating:** IEC61010 1000V Category III\*\*, 20A, 14 to 176°F (-10 to +95°C).

**\*Std. Colors:** -0 Black, -2 Red.

\*\* When plug is correctly assembled and terminated.

**Do-It-Yourself In-Line Sheathed (4mm) Banana Plug and Jack**



Safety-rated plugs and jacks for use with any wire from 22 to 18 AWG with flexible insulation. Attaches to wire by crimp or soldering.

Plugs fit most sheathed DMM jacks and DMM test leads to make up your own banana plug or jack test lead or jumper.

See mating panel jacks (6387 on page 37).

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Insulation: Santoprene®.

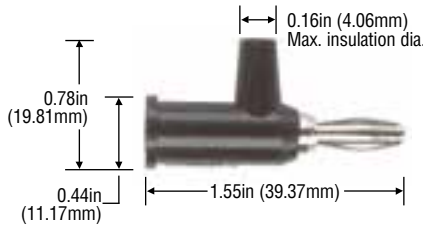
**Rating:** CAT II 300V, 15A, +275°F (+135°C) max.

\*Std. Colors: -0 Black, -2 Red, -02 Black and Red (2 per pkg).

\*Sold in pkgs of 10.

Model#	Type
6383-*	Plug
6383-02	
6384-*	Jack
6384-02	

**Do-It-Yourself Solderless Stackup Banana Plug with Safety Shield**



Internal set screw holds wire firmly.

Safety collar insulates exposed wire leads.

Accepts standard banana plug and fits 0.166in (4.22mm) dia. banana jack.

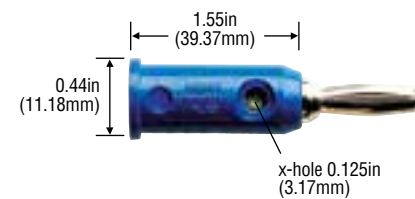
**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max. (Model 4899, +302°F (+150°C) max.).

Accepts 18-22 AWG wire.

Model#	Plating	Insulation	Std. Colors
1825-*	Nickel	Polypropylene	-0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White. Sold in pkgs of 10
4897	Gold	Polypropylene	-0 Black, -2 Red
4899	Nickel	Polyphenylene Sulfide	-0 Black, -6 Blue. Sold in pkgs of 10
6545	Nickel	Polypropylene	Pkg of 1 ea. of all 10 colors

**Do-It-Yourself Solderless Stackup Banana Plug**



4914 set screws 8-32 x 0.210 (5.33mm), 100/pk.

Internal set screw holds wire firmly.

Accepts standard banana plug, fits standard 0.166in (4.22mm) dia. banana jack.

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max. (Model 5230, +302°F (+150°C) max.).

Accepts 18-22 AWG wire.

Model#	Plating	Insulation	Std. Colors
1325-*	Nickel	Polypropylene	-0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White.
5406	Gold	Polypropylene	-0 Black, -2 Red
5230	Nickel	Polyphenylene Sulfide	-0 Black, -6 Blue
6546	Nickel	Polypropylene	Pkg of 1 ea. of all 10 colors

\*Sold in pkgs of 10.

**Do-It-Yourself 4mm Right Angle Banana Plug**



Model# 6729

Build your own safety leads with do-it-yourself safety-sheathed 4mm right angle banana plug.

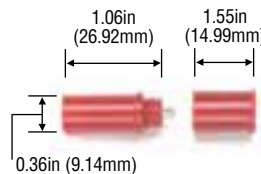
**Material:** Contacts: nickel-plated brass; Insulation: lucel acetal polymer.

**Rating:** IEC61010 1000V Category III\*\*, 20A, 14 to 176°F (-10 to +55°C).

\*Std. Colors: -0 Black, -2 red.

\*\* When plug is correctly assembled and terminated.

**Do-It-Yourself In-Line Sheathed Banana Plug/Banana Jack**



4933/4986 Plugs



4934 Jacks

Model#	Accepts wire AWG	Wire Access Hole	Type
4933-*	22, 20, 18	0.159in (4.04mm) Dia.	Plug
4986-*	16, 14	0.200in (50.8mm) Dia.	Plug
4934-*	22, 20, 18	0.159in (4.04mm) Dia.	Jack

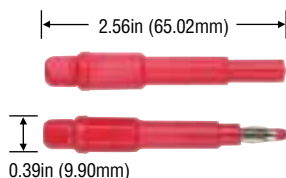
These plugs and jacks are designed to fit together and provide protection from accidental shorting.

**Material:** Banana Plug/Jack: brass; Spring: beryllium copper; Insulation: polypropylene.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 1200V ac/dc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +176°F (+80°C) max.

\*Std. Colors: -0 Black, -2 Red.

**Do-It-Yourself Retractable Sheath Banana Plug**



Model#	Color
122505A	Black
122506A	Red

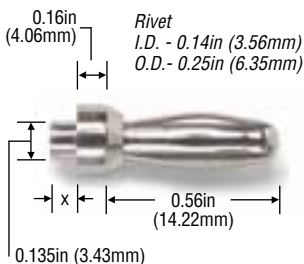
Do-It-Yourself Retractable Sheath Banana Plugs provide fast simple assembly and reliable performance.

**Rating:** For CE CAT II 300V, CAT III 150V. Maximum voltage for hands free use: 1000 Vrms, 20A, ≤ 2 mΩ.

Accepts 18-22 AWG wire.

\*Color Code: -0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White

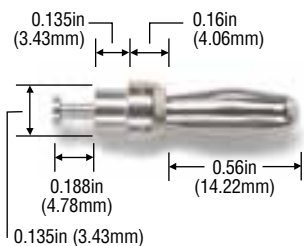
**Rivet Type Banana Plug**



Model#	"X"	Panel
3257	0.094in (2.39mm)	0.062in (1.57mm)
3258	0.125 (3.17mm)	0.093in (2.36mm)

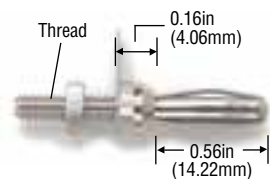
Excellent for riveting to panels or boards. Fits standard 0.166in (4.22mm) dia. banana jack.  
**Material:** *Banana Plug Body:* brass; *Spring:* beryllium copper; *Finish:* nickel plating.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A.  
 Sold in pkgs. of 10.

**Rivet Type Banana Plug with Turret**



**Model# 3261**  
 Excellent for riveting to panels or boards. Solder turret for rapid attachment of wires. Fits standard 0.166in (4.22mm) dia. banana jack.  
**Material:** *Banana Plug Body:* brass; *Spring:* beryllium copper; *Finish:* nickel plating.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A.  
 Sold in pkgs. of 10.

**Banana Plug with Threaded Stud and Solder Lug**



Model#	Thread
3263	6-32 x .50in (12.70mm)
3264	8-32 x .50in (12.70mm)
4512	8-32 x .63in (16.00mm)

Fits standard 0.166in (4.22mm) dia. banana jack.  
**Material:** *Banana Plug Body:* brass; *Spring:* beryllium copper; *Finish:* nickel plating.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A.  
 Sold unassembled, in pkgs. of 10.

**Insulated Banana Plug and Jack with Flexible Boot, Solder or Crimp**



Model#	Accepts wire AWG	Type	Mates with...
5169-*	22, 20, 18	Plug	Jack 5167
5170-*	16, 14		Jack 5168
5167-*	22, 20, 18	Jack	Plug 5169
5168-*	16, 14		Plug 5170

Ideal for making patch cords or field repairs. Snap-on flexible PVC boot allows wire to be crimped or soldered to banana plug or jack. Fits standard 0.166in (4.22mm) dia. banana jack.  
**Material:** *Boot:* Banana Plug Body: brass; *Spring:* beryllium copper; *Finish:* nickel plating; *Jack:* nickel plated brass.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C.) max.  
 \*Std. Colors: -0 Black, -2 Red.

**Banana Plug with Screw and Soldering Lug**



Model#	Thread
3265	6-32 x 0.25in (6.35mm)
3266	8-32 x 0.25in (6.35mm)

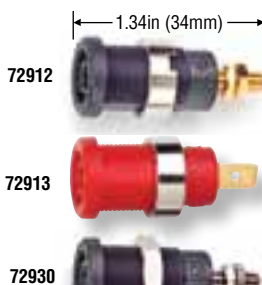
Fits standard 0.166in (4.22mm) dia. banana jack.  
**Material:** *Banana Plug Body:* brass; *Spring:* beryllium copper; *Finish:* nickel plating.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A.  
 Sold unassembled, in pkgs. of 10.

**4mm Banana Plug with Threaded M3 Stud**



**Model# 72918**  
 4mm plug with threaded M3 stud, 2 nuts; 12mm (0.5in) stud length.  
 Sold unassembled, in pkgs. of 10.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 36A.

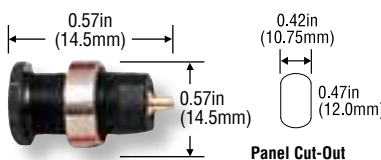
**Panel Mount IEC61010 Banana Jacks for Sheathed Plugs**



Model#	Color	Terminal
72912-0	Black	Threaded Stud
72912-2	Red	-
72913-0	Black	Solder Tab
72913-2	Red	-
72930*	-	Threaded Stud, Hexagonal Nut

**Material:** Gold-plated nickel (72912 and 72913).  
**Rating:** 1000V Cat III, 36A Max.  
 \*Std. Colors: all except -3 orange, see below  
 Sold in packages of 10 per color.

**Panel Mount IEC61010 4 mm (0.16in) Banana Jack for Sheathed Plugs**



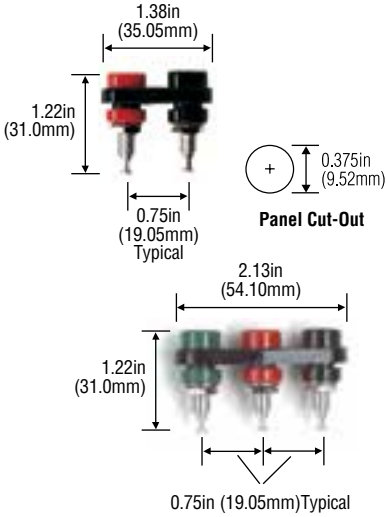
**Model# 5931-\***  
 Accepts flexible test lead sets 5907A, 5908A, 5909A available on page 68.  
**Max. Panel Thickness:** 0.28in (7.0mm).  
**Insulation:** Nylon.  
**Rating:** 1000 V Cat III per IEC61010-031 and IEC61010-1, 25A.  
 \*Std. Colors: -0 Black, -2 Red, -5 Green, -6 Blue, -9 White.  
 Sold in pkgs. of 10 per color.

**Terminal Strip Adapter, 4mm Safety Banana Jack to 6/32**



**Model# 6720**  
 Easily connect your DMM safety sheathed test leads to terminal strips via this handy 6/32 thread adapter.  
**Material:** *Contacts:* nickel-plated brass, *Insulation:* lucel acetal polymer.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. (14 to 212°F) -10 to +55°C.  
 \*Std. Colors: -0 Black, -2 Red.

**Panel Mount Banana Jacks with Mounting Base**



Model#	Mounting Base
2269-*	Double
5233-0	Double High-Temp
4601-*	Triple

Mounts in panels from 0.063in (1.60mm) to 0.375in (9.53mm) thick. One black, one red. Triple has green.

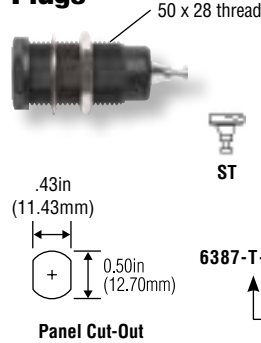
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A.

**Temp:** +239F (+115°C) [5233-0: +220°F (+428°C)].

\***Mounting base color:** -0 Black, -2 Red.

Replacement hex nuts available on page 39.

**Panel Mount Banana Jacks for Sheathed Plugs**



Model#	Std. Colors
6387-ST-T-*	-0 Black, -2 Red

These banana jacks fit most DMM plugs and all sheathed Pomona plugs. Available with several different terminals. Threaded and press-in style.

**Rating:** Designed to meet IEC61010 CAT III 1000 Vrms., 15A.

Sold in packages of 10.

Comes with Hex Nut and Lock Washer.

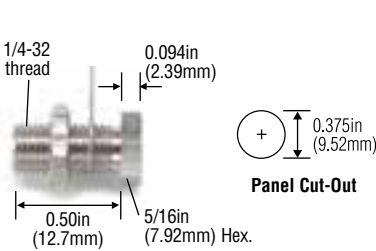
Replacement hex nuts available on page 39.

**Color Options:** -0 Black, -2 Red.

**Plating Option:** T=Tin

**Terminal Type:** ST=Solder Turret

**Uninsulated Banana Jack**



Model# 3267
-------------

Fits standard banana plug.

**Material:** nickel-plated brass.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A.

Replacement hex nuts available on page 39.

**Terminal Strip Banana Jack Adapter**

Model#	Thread	Vrms	Torque In/Lb	X Stud Length
5699-*	6-32	1100	7	0.25in (6.35mm)
5700-*	8-32	1600	16	0.32in (8.13mm)
5701-*	10-32	1700	25	0.32in (8.13mm)



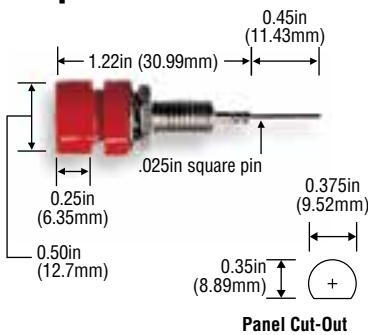
This adapter provides a banana jack connection by replacing the screw in a terminal strip. Secure connections can be made with standard banana plug patch cords without breaking the connection to the terminal strip. Banana jack 0.166in (4.22mm) dia.

**Material:** Banana Jack: nickel-plated brass; Insulation: Nylon.

\***Std. Colors:** -0 Black, -2 Red, -3 Orange, -4 Yellow, -9 White.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: (see chart for Vrms for each model#). Do not use on circuits where transient stresses can exceed the rated voltage. 25A, +216°F (+102°C) max.

**Banana Jack with Wire Wrap Terminal**



Model# 4005-*
---------------

**Material:** Jack: nickel-plated brass; Terminal: gold-plated phosphor bronze; Insulation: polycarbonate.

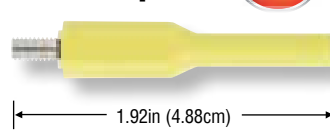
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 3A, +239°F (+115°C) max.

\***Std. Colors:** -0 Black, -2 Red.

Sold in pkgs. of 10 per color.

Replacement hex nuts available on page 39.

**Terminal Strip Banana Jack Adapter**



Model#	Thread	Torque In/Lb	Length
73084-*	6-32 male	7	1.92in (4.88cm)
73085-*	10-32 male	20	1.92in (4.88cm)
73086-*	10-32 female	20	1.54in (3.91cm)
73088-*	8-32 male	16	1.92in (4.88cm)

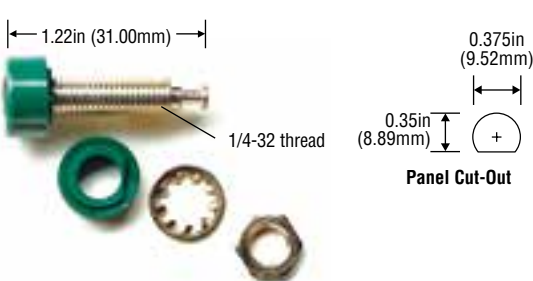
Easily connect safety sheathed banana plug test leads to terminal strips via this Terminal Strip Banana Jack Adapter.

**Material:** Contacts: nickel-plated brass, Insulation: polypropylene.

\***Std. Colors:** -0 Black, -2 Red, -4 Yellow, -6 Blue.

**Rating:** For CE Compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 600 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. 20A, -10° C to +80° C (+14° F to 176° F).

**Panel Mount Banana Jack**



Model#	Plating	Insulation	Std. Colors
1581-*	Bright tin	Polycarbonate	-0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White
2854-*	Gold	Polycarbonate	-0 Black, -1 Brown, -2 Red, -4 Yellow, -5 Green, -6 Blue, -8 Gray, -9 White
4900-*	Bright tin	Polyphenylene Sulfide	-0 Black, -6 Blue

Mounts in panels ranging in thickness from 0.063in (1.60mm) to 0.375in (9.53mm).

**Material:** Brass.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum.

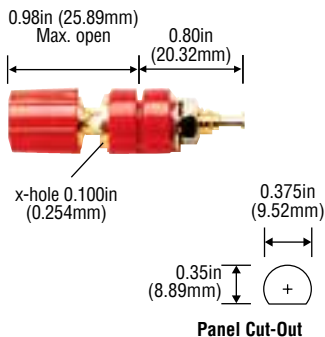
Maximum voltage for *hands free use*: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +239°F (+115°C) max. (Model 4900, +428°F (+220°C) max.).

Mounting Bases and replacement hex nuts available on page 38-39.

Sold in pkgs. of 10 per color.

\*Color Code: -0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White

**Binding Posts**



Panel Cut-Out

Model#	Material
3750-*	Gold-plated brass
3760-*	Bright tin-plated brass
3770-*	Gold-plated tellurium copper

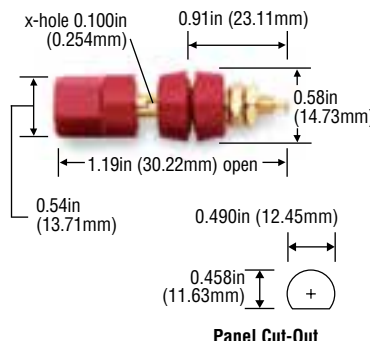
**Insulation:** Polycarbonate.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +239°F (+115°C) max.

\*Std. Colors: 3750 and 3760: all 10 colors. 3770: -0 Black, -2 Red.

Sold unassembled.

**Hex Head Binding Post**



Panel Cut-Out

**Model# 5018-\***

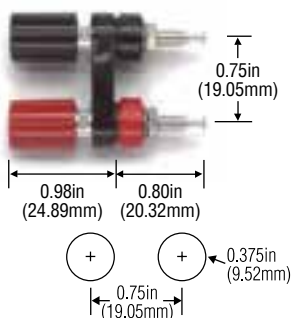
Meets MIL-P-55149/1A.

**Material:** Binding Post Body, Nuts, Lockwasher: gold-plated brass; Insulation: Nylon MIL-P-20693.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 1500 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. 30A, +176° (+80°C) max.

\*Std. Colors: -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue, -9 White.

**Binding Post with Double Mounting**



Panel Cut-Out

**Model# 4243-\***

Accepts standard banana plugs and 0.080in (2.03mm) pin tips, wires and probe tips in 0.10in (2.54mm) cross-hole.

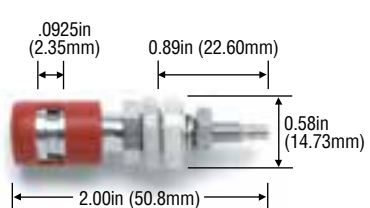
One black and one red binding post.

**Material:** Binding Post: bright tin-plated brass; Insulation: polycarbonate.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +239°F (+115°C) max.

\*Mtg. Base Colors: -0 Black, -2 Red.

**Spring Loaded Binding Post**



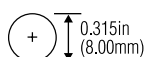
**Model# 4995-\***

Meets MIL-P-55149/8.

Silicone rubber O-rings provide water resistant seal when mounted in panels from 0.062in to 0.125in (15.75mm to 3.18mm) thick.

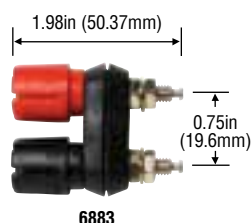
**Material:** Nickel-plated brass.

\*Std. Colors: -0 Black, -2 Red.

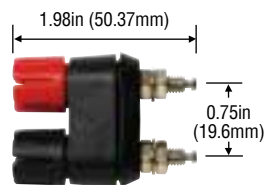


Panel Cut-Out

**Dual Binding Posts**



6883



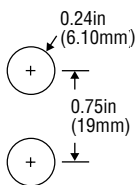
6884

Model#	Base
6883	Standard
6884	Raised Base

5-way binding post with 3.91 mm (0.154 in) cross-hole that accepts up to 12 AWG wire and standard banana plugs. Posts are spaced at the standard 3/4 inch spacing to mate to dual banana plugs.

**Material:** Binding Post: nickel-plated brass. Insulators: nylon.

**Rating:** 30A current.



Panel Cut-Out for 6883/6884

**Spring Loaded Binding Post**



**Model# 4770-\***

Mounts in panels from 0.06in (1.6mm) to 0.38in (9.53mm) thick.

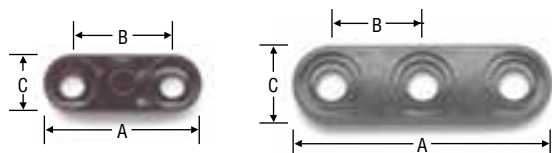
Accepts wires or plugs up to 0.08in (2.16mm) dia. with insulation up to 0.16in (4.06mm).

**Material:** Body: tin plated brass; Insulation: polycarbonate.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 630 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +239°F (+115°C) max.

\*Std. Colors: -0 Black, -2 Red.

**Binding Post/Banana Jack Mounting Bases**



For binding post models 3750, 3760, 3770

Model#	Type	Used with	A	B	C
3862-*	Double	Standard	1.19in (30.22mm)	0.75in (19.05mm)	0.44in (11.18mm)
3863-*	Triple	Binding Posts	1.94in (49.28mm)	0.75in (19.05mm)	0.44in (11.18mm)
4619-*	Double	Miniature	0.87in (22.09mm)	0.50in (12.70mm)	0.38in (9.65mm)
4614-*	Triple	Banana Jacks	1.38in (35.05mm)	0.50in (12.70mm)	0.38in (9.65mm)
4654-*	Double	Standard	1.38in (35.05mm)	0.75in (19.05mm)	0.63in (16.00mm)
4590-*	Triple	Banana Jacks	2.13in (54.10mm)	0.75in (19.05mm)	0.63in (16.00mm)

Mount banana jacks and binding posts at standard 0.75in (19.05mm) spacing.

**Material:** polycarbonate

**Rating:** +239°F (+115°C) Max.

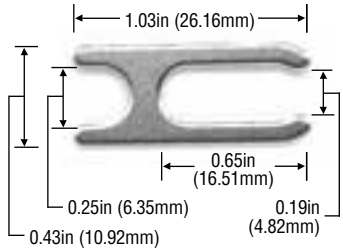
\*Std. Colors: -0 Black.

Sold in pkgs. of 10.

**Shorting Link for Standard Binding Posts**

Model# 4115

Solid shorting link for binding posts.  
**Material:** nickel-plated brass.  
**Rating:** 15A.  
Sold in pkgs. of 10.  
Fits Binding Posts on 0.750in (19.05mm) centers.



**Miniature Double Banana Plug with Set Screws, Stackable, Solderless**

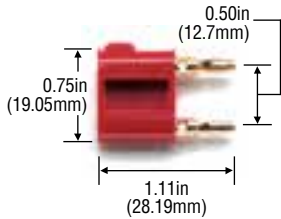
Model# 2244-\*

Internal set screws secure cable up to 0.15in (3.81mm) dia. or components.  
Plugs fit miniature 0.104in (2.64mm) dia. jacks.

**Material:** Banana Plug/Jack: brass; Spring: beryllium copper; Finish: gold plating; Insulation: ABS

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red.



**Miniature Solderless Type Triple Banana Plug with Wire Guide**

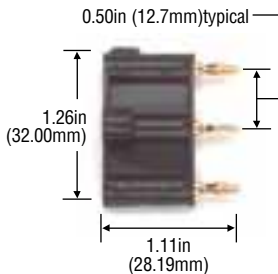
Model# 4653-0

Use for balanced line 2 conductor shielded cable assemblies.

**Material:** Banana Plug/Jack: brass; Spring: beryllium copper; Finish: gold plating; Insulation: ABS.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

Cable strain relief I.D. 0.19in (4.82mm).  
Setscrews secure wires.



**Replacement Hex Nuts**

Model#	Qty.	Finish	Wrench Size	Nut Thickness	Thread
6549	500	Nickel	3/16in	0.65in (16.51mm)	4-40
6547	500	Nickel	1/4in	0.95in (24.13mm)	6-32
6440	500	Nickel	1/4in	0.95in (24.13mm)	8-32
6548	100	Gold	3/8in	0.95in (24.13mm)	10-32
6441	500	Nickel	3/8in	0.95in (24.13mm)	1/4-32
6389	100	Nickel	9/16in	0.95in (24.13mm)	1/2-28

Hex Nut	6549	6547	6440	6548	6441	6389
Fits on	3276 4513	3263 4511 6271	2142 2143 2382 2383 2439 2440 3264 3542 3750 3760	3770 4022 4098 4243 4512 4543 4773 6272	5018	1581 2269 2854 3267 4005 4069 4601 4900 5233 6270

\*Color Code: -0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White

**Miniature Solder Type Banana Plug**

Model#	Insulator Length (X)
3690-*	0.45in (11.43mm)
4617-*	1.00in (25.14mm)

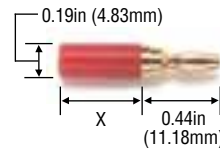
Sold in pkgs. of 10

**Material:** Banana Plug Body: brass; Spring: beryllium copper; Finish: gold plating; Insulation: nylon.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +176°F (+80°C) max.

\*Std. Colors: -0 Black, -2 Red.

Fits miniature 0.104in (2.64mm) dia. banana jacks.



**Miniature Banana Plug with Threaded Stud**

Model#	X Length
3276	0.230in (5.84mm)
4513	0.480in (12.19mm)

Fits miniature 0.104in (2.64mm) dia. banana jacks.

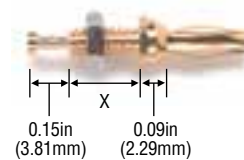
Furnished with 4-40 hex nut, 4-40 threaded stud.

**Material:** Banana Plug Body: brass; Spring: beryllium copper; Finish: gold plating.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A.

Replacement hex nut available on page 39.

Sold unassembled, in pkgs. of 10.



**Do-It-Yourself Miniature Banana Plug, Stackable, Solderless**

Model# 2944-\*

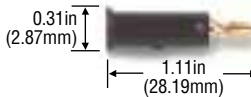
Fits miniature 0.104in (2.64mm) dia. banana jacks.

Wire firmly held in place with internal set screw.

**Material:** Banana Plug/Jack: brass; Spring: beryllium copper; Finish: gold plating; Insulation: ABS.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red.



**Do-It-Yourself Miniature Banana Plug with Safety Shield, Stackable, Solderless**

Model# 2945-\*

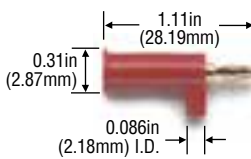
Fits miniature 0.104in (2.64mm) dia. banana jacks.

Wire firmly held in place with internal set screw.

**Material:** Banana Plug/Jack: brass; Spring: beryllium copper; Finish: gold plating; Insulation: ABS

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red.



**Miniature Double Banana Plug with Shorting Bar**

Model# 2035-\*

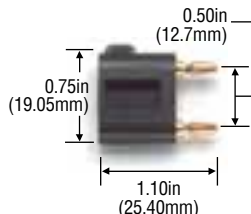
Plugs fit miniature 0.104in (2.64mm) dia. banana jacks.

Banana plugs internally shorted with 18 AWG wire.

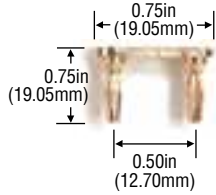
**Material:** Banana Plug/Jack: brass; Spring: beryllium copper; Finish: gold plating; Insulation: ABS.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red.



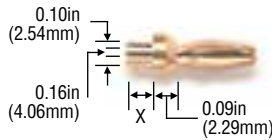
**Miniature Double Banana Plug Shorting Bar**



**Model# 3030**

Center hole accepts 4-40 screw.  
**Material:** *Banana Plug Body:* brass; *Spring:* beryllium copper; *Finish:* gold plating.  
**Rating:** 5A. Resistance less than 1.5 mΩ.  
 Fits Miniature Binding Posts and Miniature Banana Jacks on 0.5in (12.70mm) centers.

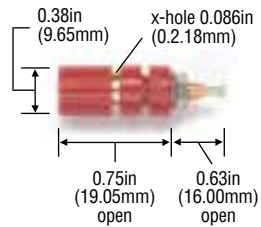
**Miniature Rivet Type Banana Plug**



Model#	Panel	X Dim.
3268	0.062in (1.57mm)	0.094in (2.39mm)
3271	0.093in (2.36mm)	0.125in (3.17mm)
3272	0.125in (3.17mm)	0.156in (3.96mm)

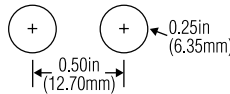
Fits miniature 0.104in (2.64mm) dia. banana jacks.  
**Material:** *Banana Plug Body:* brass; *Spring:* beryllium copper; *Finish:* gold plating.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A.  
 Sold in pkgs. of 10.

**Miniature Binding Post**



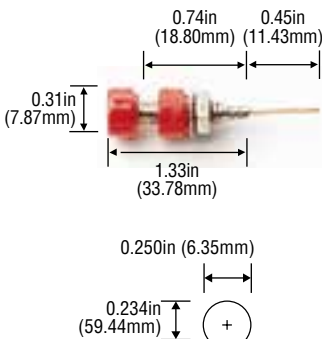
Model#	Plating
2382-*	Gold
2439-*	Tin

Accepts miniature banana plug.  
 8-32 hex nut and lockwasher included.  
**Material:** *Binding Post Body, Nut:* brass; *Lockwasher:* steel; *Insulation:* polycarbonate.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 1500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +239°F (+115°C) max.  
**\*Std. Colors:** -0 Black, -2 Red, -5 Green, -6 Blue.  
*Replacement hex nuts available on page 39.*



Panel Cut-Out

**Miniature Banana Jack with Wire Wrap Terminal**

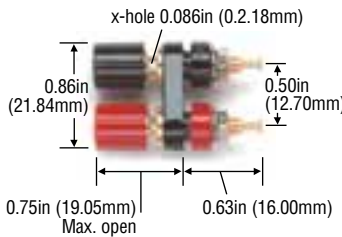


**Model# 4022-\***

Accepts miniature banana plugs.  
 Mounts in panels up to 0.250in (6.35mm) thick.  
**Material:** *Jack:* nickel-plated brass; *Terminal:* gold-plated phosphor bronze; *Insulation:* polycarbonate.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 1500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 3A, +239°F (+115°C) max.  
**\*Std. Colors:** -0 Black, -2 Red.  
 Sold unassembled, in pkgs. of 10.

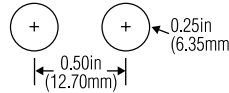
Panel Cut-Out

**Miniature Insulated Binding Post with Double Mounting Base**



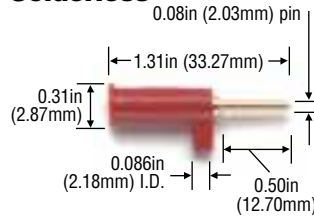
Model#	Plating
2383-*	Gold
2440-*	Tin

Accepts miniature banana plugs.  
 8-32 hex nut and lockwasher included.  
**Material:** *Binding Post Body, Nut:* brass; *Lockwasher:* steel; *Insulation:* polycarbonate.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 1500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +239°F (115°C) max.  
**\*Mounting Base Colors:** -0 Black, -2 Red.  
**\*Std. Colors:** 2383: -0 Black, -2 Red. 2440: -0 Black.  
*Replacement hex nuts available on page 39.*



Panel Cut-Out

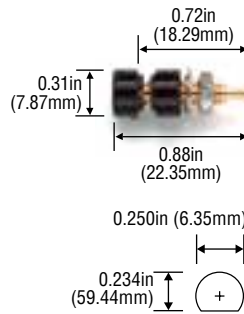
**Do-It-Yourself Pin Tip Plug with Safety Shield, Stackable, Solderless**



**Model# 3548-\***

Accepts miniature banana plug.  
 Wire firmly held in place with internal set screw.  
**Material:** *Pin Tip Plug/Jack:* gold-plated brass; *Insulation:* ABS.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 3000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.  
**\*Std. Colors:** -0 Black, -2 Red.

**Miniature Banana Jack, Panel Mount**

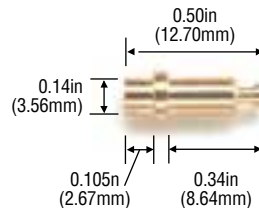


**Model# 2142-\***

Accepts miniature banana plugs. Mounts in panels up to 0.250in (6.35mm) thick.  
**Material:** gold-plated brass; *Insulation:* polycarbonate.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 1500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +239°F (+115°C) max.  
**\*Std. Colors:** -0 Black, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -9 White.  
 Uses hex nut 6440.  
*Replacement hex nuts available on page 39.*  
 Sold unassembled, in pkgs. of 10 per color.

Panel Cut-Out

**Miniature Rivet Type Banana Jack with Turret**



**Model# 3277**

Accepts miniature banana plugs.  
 Mounts in panels up to 0.062in (1.57mm) thick.  
**Material:** Gold-plated brass.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 1500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A.  
 Sold in pkgs. of 10.  
**Rec. Mounting Hole:** .140 ± .002 (9/64 Drill).  
**Panel Thickness:** 0.062in (1.57mm)



### Miniature Banana Jack in Double Mounting Base, Panel Mount

Model# 2143-\*

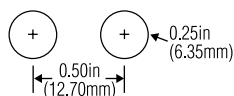
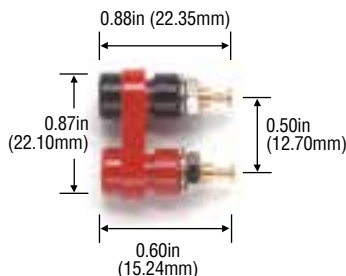
Accepts miniature banana plugs. Mounts in panels up to 0.188in (4.78mm) thick.

**Material:** gold-plated brass; *Insulation:* polycarbonate.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 1500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +239°F (+115°C) max.

\*Std. Mounting Base Colors: -0 Black, -2 Red.

**Colors:** One black and one red jack.



Panel Cut-Out

### Double Pin Tip Plug with Shorting Bar

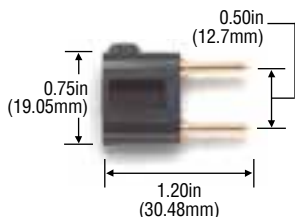
Model# 3452-\*

Accepts pin tip plugs. Internally shorted with 20 AWG wire. Use as connecting link for 0.50in (12.70mm) spaced pin tip jacks.

**Material:** Pin Tip Plug/Jack: brass; Spring: beryllium copper; Finish: gold plating; *Insulation:* ABS.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 3000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +239°F (+115°C) max.

\*Std. Colors: -0 Black, -2 Red.



### Do-It-Yourself .080in (20.32mm) Dia. Pin Tip Plug with Flexible Boot, Solder or Crimp

Model#	Accepts Wire AWG
5173-*	22, 20, 18

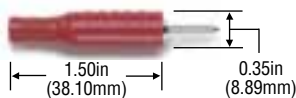
Ideal for making patch cords or field repairs. Snap-on flexible PVC boot allows wire to be crimped or soldered to pin tip plug.

**Material:** nickel-plated brass.

Accepts 18-22 AWG wire.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 3000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

\*Std. Colors: Available in 10 colors.



### Double Banana Jack to Miniature Double Banana Plug Plug

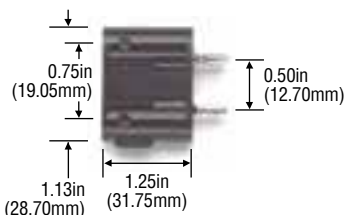
Model# 2952

Converts standard banana plugs to miniature.

**Material:** Jack: nickel-plated brass; Spring: nickel-plated beryllium copper; *Insulation:* ABS.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

**Color:** Black.



### Pin Tip Jacks with Double Mounting Base

Model# 4543-\*

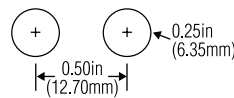
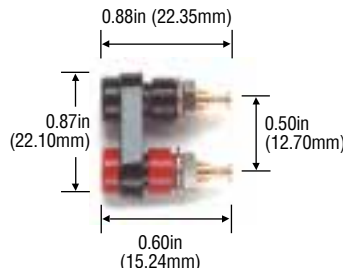
Accepts 0.08in (2.03mm) dia. pin.

Max. panel thickness 0.188in (4.78mm).

**Material:** Jack: gold-plated brass; Spring: beryllium copper; *Insulation:* polycarbonate.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 1500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +239°F (115°C) max.

\*Mtg. Base Colors: -0 Black, -2 Red.



Panel Cut-Out

### Pin Tip Jack

Model# 3542-\*

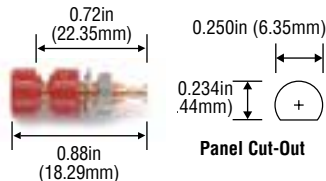
Accepts 0.080in (2.03mm) dia. pin.

**Material:** Jack: gold-plated brass; Spring: beryllium copper; *Insulation:* polycarbonate.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 1500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +239°F (115°C) max.

\*Std. Colors: -0 Black, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -9 White.

Sold in pkgs. of 10.



Panel Cut-Out

### Insulated Pin Jack with Wire Wrap Terminal

Model# 4773-\*

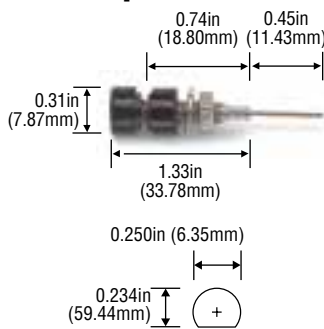
Accepts 0.080in (2.03mm) dia. pin.

Max. panel thickness 0.25in (6.35mm).

**Material:** Jack: nickel-plated brass; Spring: gold-plated beryllium copper; Terminal: gold-plated phosphor bronze; *Insulation:* polycarbonate.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 1500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 3A, +239°F (+115°C) max.

\*Std. Colors: -0 Black, -2 Red, -6 Blue, -9 White.



Panel Cut-Out

### Miniature Banana Jack to Banana Plug

Model# 2477-\*

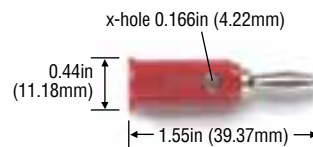
Converts miniature banana plugs to standard.

**Material:** Jack: nickel-plated brass; Spring: nickel-plated beryllium copper; *Insulation:* ABS.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

\*Std. Color: -0 Black, -2 Red.

Sold in pkgs. of 10.



**Do-It-Yourself In-Line  
4 mm (0.16in) Banana  
Plug**

**Model# 5934-\***

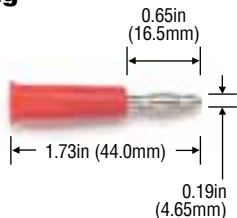
Wire connection by set screw. Accepts 18, 20 and 22 AWG wire.

**Material:** *Insulation:* Nylon.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 750 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage.25A.

**\*Std. Colors:** -0 Black, -2 Red.

Sold in pkgs. of 10 per color.



**Pin Tip Jack to  
Banana Plug**

**Model# 1809-\***

Accepts 0.080in (2.03mm) pin tip plug or probe tip. Fits standard 0.166in (4.22mm) dia. banana jack.

**Material:** gold-plated beryllium copper.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage.5A, +122°F (+50°C) max.

**\*Std. Color:** -0 Black, -2 Red.

Sold in pkgs. of 10.



**Banana Jack to Pin  
Tip Plug**

**Model# 1432-\***

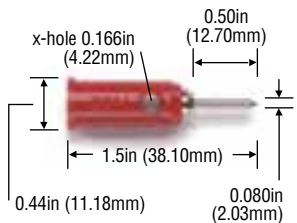
Use to mate standard banana plug patch cords to equipment having pin jacks.

**Material:** *Jack/Plug:* nickel-plated brass; *Insulation:* polypropylene.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 3000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

**\*Std. Colors:** -0 Black, -2 Red.

Sold in pkgs. of 10.



**Banana Jack to  
.080in (2mm) Dia.  
Pin Tip Jack**

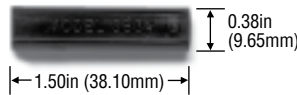
**Model# 3834-\***

Adapts standard 0.166in (4.22mm) dia. banana plug to 0.080in (2.03mm) dia. pin tip plug.

**Material:** *Banana Jack:* nickel-plated brass; *Pin Jack:* gold-plated beryllium copper; *Insulation:* polypropylene.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 3000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +131°F (+55°C) max.

**\*Std Colors:** -0 Black.



**2mm Banana Jack**

**Model# 5935-\***

**Max. Panel Thickness:** 0.31in (8mm).

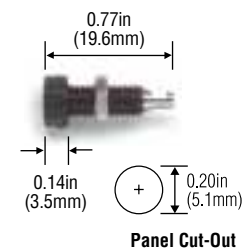
**Material:** *Insulation:* nylon; *Finish:* nickel plating.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, ≤ 2 mΩ.

**\*Std. Colors:** -0 Black.

Sold in pkgs. of 10 per color.

Not compatible with Miniature Banana Plug or Pin Tip.



**Double Banana Plug  
with Binding Posts,  
Stackable, Solderless**

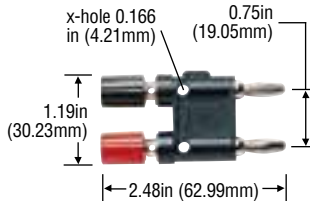
Model#	Plating
1286	Nickel
5405	Gold

Features insulated binding posts on 0.750in (19.05mm) centers for rapid mounting and interchangeability of components. Center cross hole 0.166in (4.22mm) dia. provides side stackup connection.

**Material:** *Binding Post/Banana Plug Body:* brass; *Spring:* beryllium copper; *Insulation:* ABS.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max.

**Color:** Black.



**Banana Jack to  
Miniature Banana Plug**

**Model# 2138-\***

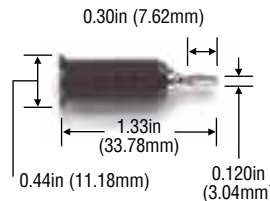
Use to mate standard 0.166in (4.22mm) dia. banana plug to equipment having miniature banana jacks.

**Material:** *Jack:* nickel-plated brass; *Spring:* nickel-plated beryllium copper; *Insulation:* ABS.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage.5A, +122°F (+50°C) max.

**\*Std. Color:** -0 Black, -2 Red.

Sold in pkgs. of 10.



**Insulated Double  
Banana Plug Shorting  
Bar with Binding Post**

**Model# 5165-\***

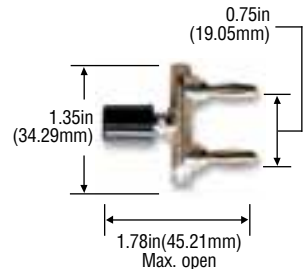
Fits standard banana jack.

Shorting bar is completely insulated in clear ABS thermoplastic.

**Material:** *Binding Post/Banana Plug Body/Shorting Bar:* nickel-plated brass; *Spring:* nickel-plated beryllium copper; *Insulation:* polycarbonate.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max.

**\*Binding Post Colors:** -0 Black, -2 Red.



**Binding Post to  
Banana Plug**

**Model# 2894-\***

Features insulated binding post for rapid mounting and interchangeability of components. Accepts standard banana plug. Center cross hole 0.166in (4.220mm) dia. provides side stackup connection.

**Material:** *Binding Post/Banana Plug Body:* nickel-plated brass; *Spring:* nickel-plated beryllium copper; *Insulation:* polypropylene

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max.

**\*Binding Post Colors:** -0 Black, -2 Red.



**2mm Banana Plug**

Model# 5936-\*



Solder type wire connection.  
Accepts 18-22 AWG wire.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 500 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. 5A,  $\leq 2$  m $\Omega$ .  
**\*Std. Colors:** -0 Black, -2 Red.  
**Assembled Length:** 1.07in (27.2 mm).  
Sold unassembled, in pkgs. of 10 per color.  
Not compatible with Miniature Banana Plug or Pin Tip.

**Test Connector Adapter Set**

Model# 6481



Full set of pin and socket adapters.  
18 piece set includes one black and red pin and socket of each size.  
Includes Silicone insulated 4ft (1.21m) leads to fit most DMMs from Fluke, Amprobe, Greenlee and others.

**Spade Lug to DMM Banana Jack**

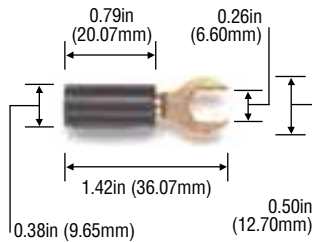
Model#	A	B	Lug Size
3744A-*	0.14in (3.56mm)	0.24in (6.10mm)	4, 5, 6
3777A-*	0.2in (5.0mm)	0.30in (7.7mm)	8, 10



Plugs into DMM leads. Permits DMM leads to be used with equipment having barrier strips, or binding post.  
**Material:** *Banana Jack:* nickel-plated brass; *Spade Lug:* tin-plated copper; *Insulation:* polypropylene.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max.  
**\*Std. Colors:** -0 Black, -2 Red, -02 Set of one black and one red.

**Low Thermal EMF Insulated Spade Lug to Banana Jack**

Model# 2305



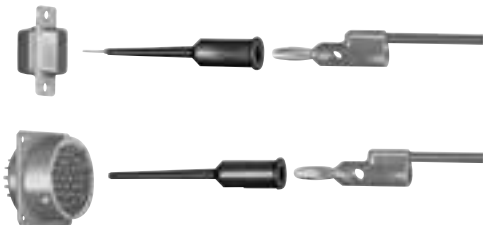
Special alloy and plating preserve the accuracy of low voltage measurement equipment. Thermal effects are minimized. Heavy construction for minimum voltage loss. Mates with low voltage banana plug patch cords and binding posts.  
**Material:** *Jack and Spade Lug:* gold-plated tellurium copper; *Insulation:* ABS.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +122°F (+50°C) max.  
Set of one red and one black.

**Connector Test Adapters**

Pin type



Socket type



Model#	AWG	Contact Size	Type	Current Rating
4690-*	22	0.030in (0.76mm)	Socket	3A
4691-*			Pin	
3560-*	20	0.040in (1.02mm)	Socket	
3561-*			Pin	
3562-*	16	0.063in (1.60mm)	Socket	
3563-*			Pin	
3564-*	12	0.093in (2.36mm)	Socket	
3565-*			Pin	

An ideal test adapter for rapid testing of the hard-to-get at contacts of multi-pin/socket connectors. Flexible tip allows testing of adjacent contacts. Flexibility and full insulation protects against shorting or contact damage. Model 4690 also fits 0.025in (0.63mm) sq. pins.

**Material:** *Banana Jack:* nickel-plated brass; *Socket:* gold-plated copper; *Pin:* gold-plated brass; *Insulation:* PVC.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 2500 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. +122°F (+50°C) max.  
**\*Std. Colors:** -0 Black, -2 Red.

# Patch Cords and Test Leads

Pomona has made it easy for you to have exactly what you need with a huge selection of patch cords and test leads designed for reliable, convenient connections. Whether you need a test lead that can access an IC pin without shorting or a patch cord that accommodates multiple stacking, Pomona Electronics' design and reliability are your connection with quality.

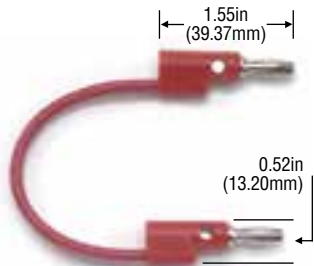
## Wire Specifications

Wire Designation	AWG	Description	O.D.	Jacket	Temperature Range	Color
B	18	65/36 copper	0.144in (3.66mm)	PVC	-4 to 221°F (-20 to +105°C)	10 Colors
Silicone	18	65/36 copper	0.144in (3.66mm)	Silicone	-58 to 302°F (-50 to +150°C)	Black and Red
P	20	41/35 copper	0.087in (2.20mm)	PVC	-4 to 221°F (-20 to +105°C)	10 colors
PTO	22	26/36 copper	0.064in (1.62mm)	PVC	-4 to 221°F (-20 to +105°C)	10 colors
	12	7 x 38/36 copper	0.144in (3.66mm)	PVC	140°F (+60°C)	Black, Red, Green

**How To Order**

Typical Pomona Part Number: **3781-24-2**  
 Lead Length in Inches (Measured Inside Connectors)  
 Specify Color

## Multi-Stacking Banana Plug Patch Cord



Model#	Length
B-4-*	4in (0.1m)
B-8-*	8in (0.2m)
B-12-*	12in (0.3m)
B-18-*	18in (0.5m)
B-24-*	24in (0.6m)
B-36-*	36in (0.9m)
B-48-*	48in (1.2m)
B-60-*	60in (1.5m)
B-72-*	72in (1.8m)

**Model B:** Multi-Stacking Banana Plug Patch Cord features a nickel-plated finish.

**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.

\*Std. Colors: Available in 10 Colors.

Model#	Length	Special Features
2948-12-*	12in (0.3m)	Gold-plated finish
2948-24-*	24in (0.6m)	
2948-36-*	36in (0.9m)	
2948-48-*	48in (1.2m)	
2948-60-*	60in (1.5m)	

**Model 2948** Multi-Stacking Banana Plug Patch Cord features a gold-plated finish.

\*Std. Colors: -0 Black, -2 Red.

## Horizontal Stacking Banana Plug Patch Cord



Model#	Length
HB-12-*	12in (0.3m)
HB-24-*	24in (0.6m)
HB-36-*	36in (0.9m)
HB-48-*	48in (1.2m)
HB-60-*	60in (1.5m)

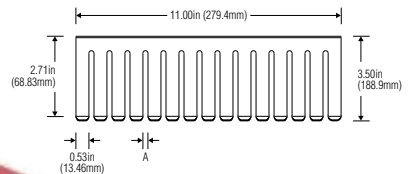
**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.

\*Std. Colors: -0 Black, -2 Red.

## Test Lead Holders

Model#	Color	"A" Max Cable Dia.	Number of Slots
1508	Orange	0.210in (5.33mm)	14
4408	Black	0.320in (8.13mm)	10
2708	Blue	0.450in (11.43mm)	9



## Multi-stacking Sheathed (4mm) Banana Plug Patch Cord



**Model# 6727-\***

4ft (1.2 meter) stackable safety lead.

**Material:** Contacts: nickel-plated brass; Wire: multi-strand copper,

**Insulation:** silicone.

**Rating:** IEC61010 1000V Cat III, 20A max (10A cont.), 14 to 131°F (-10 to +55°C).

\*Std. Colors: -0 Black only, -2 Red only.

## Cross Stacking Banana Plug Patch Cord



Model#	Length
1440-12-*	12in (0.3m)
1440-18-*	18in (0.5m)
1440-24-*	24in (0.6m)
1440-36-*	36in (0.9m)
1440-48-*	48in (1.2m)
1440-60-*	60in (1.5m)

**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.

\*Std. Colors: -0 blk, -2 red.

**Multi-Stacking Banana Plug Coiled Patch Cord**



Model#	Ext. Length
2484*	48in (1.23mm)

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.  
**Extended Length:** 48in (1.2mm).  
 One patch cord replaces many different lengths.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 270 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +131°F (+55°C) max.  
**\*Std. Colors:** -0 Black, -2 Red.

**Multi-Stacking Banana Plug to Minigrabber® Test Clip**



Model#	Length
3782-12-*	12in (0.3m)
3782-24-*	24in (0.6m)
3782-36-*	36in (0.9m)
3782-48-*	48in (1.2m)
3782-60-*	60in (1.5m)

Hook attaches to component leads up to 0.060in (1.52mm) O.D.  
**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 300V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +131°F (+55°C) max.  
**\*Std. Colors:** -0 Black, -2 Red, -4 Yellow, -5 Green, -6 Blue.

**Multi-Stacking Banana Plug Patch Cord with In-Line Fuse Holder**



Model#	Length
4274-36-*	36in (0.9m)

**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C).  
**\*Std. Colors:** -0 Black, -2 Red.

**Multi-Stacking Banana Plug to Minigrabber® Test Clip**



Model#	Length
6249-12-*	12in (0.3m)
6249-24-*	24in (0.6m)
6249-36-*	36in (0.9m)

Features a slim 0.36in (9.14mm) body width. Hook attaches to component leads up to 0.060in (1.52mm) O.D.  
**Cable:** 18 AWG Silicone insulated wire, 0.144in (3.56mm) O.D.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 300V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A.  
**\*Std. Colors:** -0 Black, -2 Red.

**Multi-Stacking Banana Plug to Miniature Stacking Banana Plug**



Model#	Length
3014-36-*	36in (0.9m)
3014-60-*	60in (1.5m)

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 3000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +131°F (+55°C) max.  
**\*Std. Colors:** -0 Black, -2 Red.

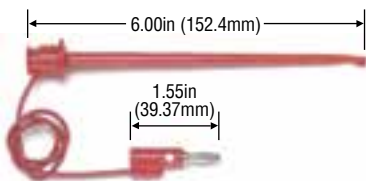
**Multi-Stacking Banana Plug to Minigrabber® Test Clip (Coiled) Patch Cord**



Model#	Ext. Length
4538-*	48in (1.2m)

Hook attaches to components up to 0.060in (1.52mm) O.D.  
**Cable:** 20 AWG Retractable Cord, 0.087in (2.21mm) O.D.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 300V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +131°F (+55°C).  
**\*Std. Colors:** -0 Black, -2 Red.

**Multi-Stacking Banana Plug to Maxigrabber® Test Clip**



Model#	Length
4996-36-*	36in (0.9m)

Hook attaches to components up to 0.060in (1.52mm) O.D.  
**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 300V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +131°F (+55°C) max.  
**\*Std. Colors:** -0 Black, -2 Red.

**Right Angle Stacking Banana Plug Patch Cord**



Model#	Length
2864-24-*	24in (0.6m)

**Cable:** 18 AWG Wire, 0.14in (3.56mm) O.D.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.  
**\*Std. Colors:** -0 Black, -2 Red.

\*Color Code: -0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White

**Multi-Stacking Banana Plug to Micrograbber® Test Clip**

Model#	Length
5053-24-*	24in (0.6m)
5053-36-*	36in (0.9m)
5053-48-*	48in (1.2m)



Hook attaches to components up to 0.040in (1.02mm) O.D.

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 150V. Do not use on circuits where transient stresses can exceed the rated voltage. 3A, +131°F (+55°C) max.

\*Std. Colors: -0 Black, -2 Red.

**Multi-Stacking Banana Plug to SMD Grabber® Test Clip**

Model#	Length
5302-12-*	12in (0.3m)
5302-24-*	24in (0.6m)
5302-36-*	36in (0.9m)



**Pincer Opening:** 0.040in (1.02mm).

**Cable:** 22 AWG Wire, 0.064in (1.63mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 150V. Do not use on circuits where transient stresses can exceed the rated voltage. 0.5A, +131°F (+55°C) max.

\*Std. Colors: -0 Black, -2 Red.

**Minigrabber® Test Clip with Sheathed**

Model#	Plug Type	Ratings
6248-12-*	Sheathed Banana Jack	IEC61010-031 CAT II 300V



Test Lead Extender.

Silicone insulated 1ft (0.3m) leads fit on the end of modular test leads such as Pomona 5907A.

Std. Colors: -0 Black, -2 Red.

**Double Banana Plug with Safety Shrouds**

Model#	Length
6283-C-36	36in (0.9m)
6283-C-48	48in (1.2m)
6283-C-60	60in (1.5m)



Fits Digital Multi-meters and other instruments with shrouded jacks.

Offset design designates hot and ground leads.

Black and red banana plug shrouds.

Molded strain relief for long life.

MIL spec coaxial cable.

Overvoltage CAT II, 600V, 5A per IEC61010-031.

**Minigrabber® Test Clip Leads**



6244



5428/6231



6245

Model#	Plug Type	Ratings
6244-48-*	Right-angle DMM	CAT II 300V
5428-48-*	Right-angle DMM	300 Vrms*
6231	Right-angle DMM	300 Vrms*
6245-48-*	Straight DMM	CAT II 300V

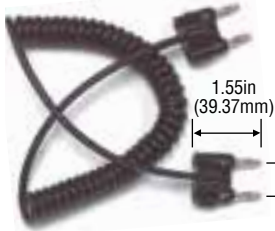
Silicone insulated 4ft (122m) leads fit most meters from Fluke, Wavetek (Meterman), HP, Amprobe, Greenlee and others

Std. Colors: -0 Black, -2 Red

\*Rating: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 300 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage.

**Multi-Stacking Double Banana Plugs on Retractable (Coiled) Cord**

Model#	Extended Length
3864-48	48in (1.2m)
3864-72	72in (1.8m)



**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 90 Vac/270 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. +122°F (+50°C) max.

**Cable Type:** Shielded Microphone Cable.

**Multi-Stacking Double to Multi-Stacking Single Banana Plugs**

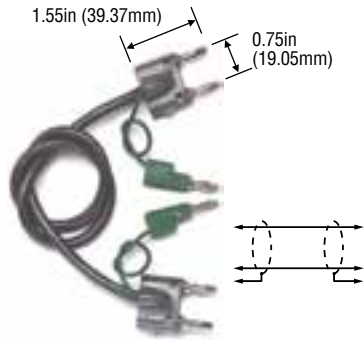
Model#	Length
1368-A-18	18in (0.5m)
1368-A-24	24in (0.6m)
1368-A-30	30in (0.76m)
1368-A-36	36in (0.9m)
1368-A-48	48in (1.2m)
1368-A-60	60in (1.5m)



**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 300 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +122°F (+50°C) max.

See chart on page 6 for additional cable specifications.

**Two Conductor shielded Balanced Line**



Model#	Length
1167-18	18in (0.5m)
1167-24	24in (0.6m)
1167-30	30in (0.76m)
1167-36	36in (0.9m)
1167-48	48in (1.2m)
1167-60	60in (1.5m)

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/ 42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 1000 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +131°F (+55°C) max.

*Cable Type I: See chart on page 6 for additional cable specifications.*

**Multi-Stacking Banana Plugs, Two Each End**



Model#	Length
2239-C-24	24in (0.6m)
2239-C-36	36in (0.9m)
2239-C-48	48in (1.2m)

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/ 42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 1400 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +131°F (+55°C) Max.

*See chart on page 6 for additional cable specifications.*



**Multi-Stacking Double Banana Plug Cables**



Model#	Cable Type	Length
2BA-18	Two Conductor Twisted Pair, 18 AWG, 0.25in (6.35mm) O.D.	18in (0.5m)
2BA-24		24in (0.6m)
2BA-36		36in (0.9m)
2BA-48		48in (1.2m)
2BA-60		60in (1.5m)
2BC-24	RG58C/U, 0.195in (4.95mm) O.D.	24in (0.6m)
2BC-36		36in (0.9m)
2BC-48		48in (1.2m)
2BC-60		60in (1.5m)

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/ 60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 2BA: 300 Vrms, 2BC: 1400 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +131°F (+50°C) max.

**Multi-Stacking Double Banana Plug to Minigrabber® Test Clips**

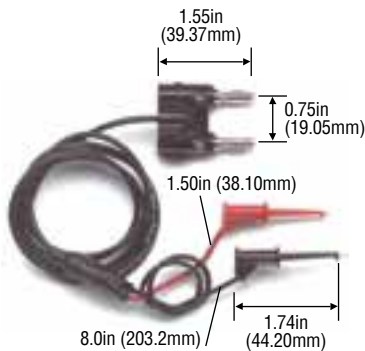


Model#	Length
3786-C-18	18in (0.5m)
3786-C-24	24in (0.6m)
3786-C-36	36in (0.9m)
3786-C-48	48in (1.2m)
3786-C-60	60in (1.5m)

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 300 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +122°F (+50°C) max.

*See chart on page 6 for additional cable specifications.*

**Double Banana Plug to Micrograbber® Test Clips**



Model#	Length
4768-K-24	24in (0.6m)
4768-K-36	36in (0.9m)
4768-K-48	48in (1.2m)
4768-K-60	60in (1.5m)

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 150 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +122°F (+50°C) max.

*See chart on page 6 for additional cable specifications.*

**Multi-Stacking Double Banana Plug, One End Only**

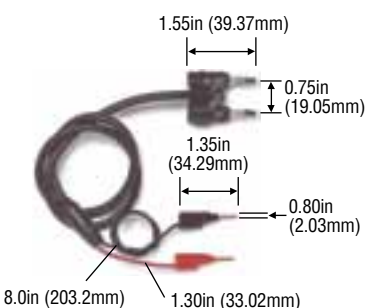


Model#	Length
1326-A-60	60in (1.5m)
1326-C-60	60in (1.5m)

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: A: 300 Vrms, C: 1400 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +131°F (+55°C) max.

*See chart on page 6 for additional cable specifications.*

**Double Banana Plug to Stacking Pin Tip Plugs**

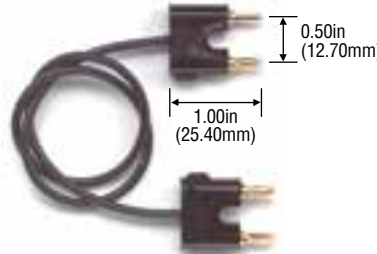


Model#	Length
2BC-PP-36	36in (0.9m)
2BC-PP-48	48in (1.2m)
2BC-PP-60	60in (1.5m)

**Cable Type:** RG58C/U 0.195in (4.95mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/ 42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 1400 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +122°F (+50°C) max.

**Miniature Double Banana Plug Cable**



Model#	Length
2247-K-24	24in (0.6m)

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 1000 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +131°F (+55°C) max.

**Cable Type:** RG174/U, 0.100in (2.54mm) O.D.

**Double Banana Plug to Minigator Test Clips**



Model#	Length
2BC-MG-36	36in (0.9m)

**Cable Type:** RG58C/U.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 45 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +122°F (+50°C) max.  
**Jaw Opening:** 0.187in (4.75mm) max.

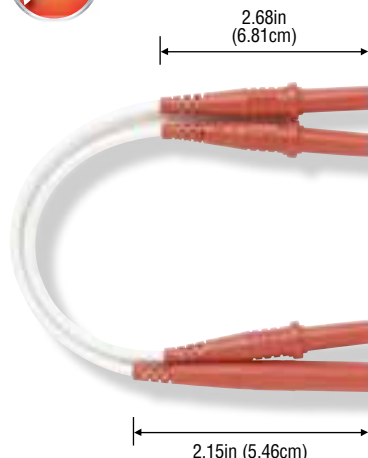
**Double Banana Plug to Alligator Test Clips**



Model#	Length
2BA-AL-36	36in (0.9m)
2BA-AL-48	48in (1.2m)

**Cable Type:** Two cond. Twisted Pair.  
**Cable Type:** RG58C/U50.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 150 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +122°F (+50°C) max.  
**Jaw Opening:** 0.30in (7.62mm) max.

**Jumper Test Lead Set**



Model#	Length
73087-6-*	6in (0.15m)
73087-9-4	9in (0.23m)
73087-12-*	12in (0.3m)
73087-20-4	20in (0.5m)
73087-24-*	24in (0.6m)
73087-36-*	36in (0.9m)
73087-72-*	72in (1.8m)
73087-150-4	150in (3.8m)
73087-210-4	210in (5.3m)

Each Jumper Test Lead Set includes a Sheathed (4mm) Banana Plug Test Lead, and Sheathed Banana Plug to Sheathed Banana Jack Patch Cord.  
**Cable:** 18 AWG Wire, 0.146in (3.7mm) O.D.  
**Insulation:** Silicone  
**Rating:** For CE Compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 1000 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. 10A, -4° to +131°F (-20° to +55°C).  
**\*Std. Colors:** -0 Black, -2 Red, -4 Yellow, -6 Blue.

**Minigator Clips to Miniature Double Banana Plug**



Model#	Length
3027-K-24	24in (0.6m)

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 45 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage. +122°F (+50°C) max.  
**Jaw Opening:** 0.187in (4.75mm)  
 See chart on page 6 for additional cable specifications.

**Minigrabber® Test Clip Patch Cord**



Model#	Length
3781-8-*	8in (0.2m)
3781-12-*	12in (0.3m)
3781-18-*	18in (0.5m)
3781-24-*	24in (0.6m)
3781-36-*	36in (0.9m)
3781-48-*	48in (1.2m)
3781-60-*	60in (1.5m)

Hook attaches to component leads up to 0.060in (1.52mm) O.D.  
**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 300V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +216°F (+102°C) max.  
**\*Std. Colors:** Available in 10 colors.

**Minigrabber® Test Clip Patch Cord Kit**

**Model# 5523**  
 Kit contains 10 pcs. of Model 3781-24, one of each color.

**One End Only**

Model#	Length
3780-60-*	60in (1.5m)

**\*Std. Colors:** -0 Black, -2 Red.

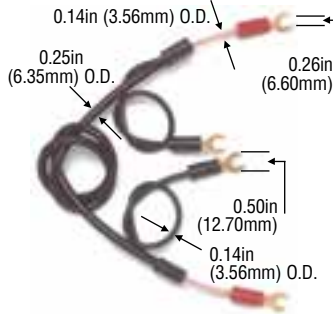




**Low Thermal EMF Patch Cords**

Special alloy plating and construction preserve the accuracy of microvolt and nanovolt measurement equipment. Designed to greatly minimize the effect of Thermal Electric Voltage (Thermal EMF). Thermal EMF is generated at the junction of dissimilar metals at different temperatures and is common source of error in micro- and nano- volt measurements.

**Shielded Low Thermal EMF Spade Lug Patch Cord**



Model#	Length
1756-24	24in (0.6m)
1756-48	48in (1.2m)

**Cable:** 12 AWG Wire, Shield Leads: 18 AWG.  
**Material:** Spade Lug: gold-plated Electrolytic Tough Pitch (ETP) 110 Copper Alloy, 1/2 hard.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 2000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 20A, 131°F (+55°C) max.

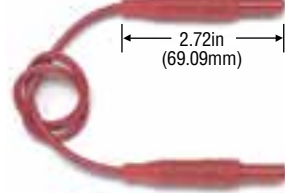
**Low Thermal EMF Spade Lug Patch Cord**



Model#	Length
1693-36-*	36in (0.9m)
1693-60-*	60in (1.5m)

**Cable:** 12 AWG Wire, 0.144in (3.56mm) O.D.  
**Material:** Spade Lug: gold-plated Electrolytic Tough Pitch (ETP) 110 Copper Alloy, 1/2 hard.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 2000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 20A, +131°F (+55°C) max.  
 \*Std. Colors: -0 Black, -2 Red.

**Low Thermal EMF Retractable Sheath Banana Plug Patch Cord**



Model#	Length
5291A-12-*	12in (0.3m)
5291A-36-*	36in (0.9m)
5291A-60-*	60in (1.5m)

**Cable:** 12 AWG Wire, 0.144in (3.56mm) O.D.  
**Material:** Plug Body: gold-plated tellurium copper; Spring: gold-plated Beryllium Copper.  
**Rating:** 1000V per IEC61010-031, 7A, +131°F (+55°C).  
 \*Std. Colors: -0 Black, -2 Red.

**Low Thermal EMF Retractable Sheath Banana Plug to Spade Lug**



Model#	Length
5295-36-*	36in (0.9m)

**Cable:** 12 AWG Wire, 0.144in (3.56mm) O.D.  
**Material:** Spade Lug: gold-plated Electrolytic Tough Pitch (ETP) 110 Copper Alloy, 1/2 hard; Plug End: gold-plated tellurium copper.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 1000V. Do not use on circuits where transient stresses can exceed the rated voltage. 7A, +131°F (+55°C) max.  
 \*Std. Colors: -0 Black, -2 Red.

**SMD Grabber® Test Clip Patch Cord**



Model#	Length
5301-12-*	12in (0.3m)
5301-24-*	24in (0.6m)

**Pincer Opening:** 0.04in (1.63mm).  
**Cable:** 22 AWG Wire, 0.064in (1.60mm) O.D.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 150V. Do not use on circuits where transient stresses can exceed the rated voltage. 0.5A, +216°F (+102°C) max.  
 \*Std. Colors: -0 Black, -2 Red

**SMD Grabber® Test Clip Patch Cord Kit**

Model# 5521

Kit contains 10 pcs. of Model 5301-24, one each of ten colors.

**MicroGrabber® Test Clip Patch Cord**



Model#	Length
4613-12-*	12in (0.3m)
4613-24-*	24in (0.6m)
4613-36-*	36in (0.9m)
4613-48-*	48in (1.2m)

Hook attaches to components up to 0.040in (1.02mm) O.D.  
 20 AWG Wire, 0.087in (2.21mm) O.D.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 150V. Do not use on circuits where transient stresses can exceed the rated voltage. 3A, +216°F (+102°C) max.  
 \*Std. Colors: -0 Black, -2 Red.

**MicroGrabber® Test Clip Patch Cord Kit**

Model# 5525

Kit contains 10 pcs. of Model 4613-24, one each of ten colors.

**Multi-Stacking Banana Plug to Alligator Test Clip**



Model#	Length
1166-12-*	12in (0.3m)
1166-24-*	24in (0.6m)
1166-36-*	36in (0.9m)
1166-48-*	48in (1.2m)
1166-60-*	60in (1.5m)

**Jaw Opening:** 0.300in (7.62mm).  
**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 150V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.  
 \*Std. Colors: -0 Black, -2 Red.

**Banana Plug to Alligator Clip Patch Cord Kit**

Model#	Length
6357-36	36in (0.9m)

Kit contains 10 pcs. of Model 1166 patch cords, one each of 10 colors.

\*Color Code: -0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White

**Minigator Test Clip Patch Cord**



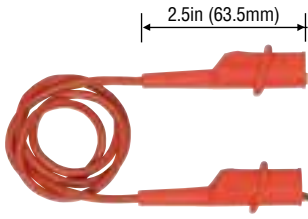
Model#	Length
MG-B-12-*	12in (0.3m)
MG-B-24-*	24in (0.6m)

**Jaw Opening:** 0.187in (4.75mm).  
**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 45V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.  
**\*Std. Colors:** -0 Black, -2 Red.

Model#	Length
1236-24-*	24in (0.6m)

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 45V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.  
**\*Std. Colors:** -0 Black, -2 Red.

**1000V Alligator Patch Cord**



Model#	Length
6576-24-*	24in (0.6m)
6576-36-*	36in (0.9m)

**Jaw Opening:** 0.300in (7.62mm).  
**Material:** Body: nickel-plated steel; Boot: santoprene rubber.  
**Cable:** 18 AWG Wire, silicone insulated.  
**Rating:** Maximum voltage for *hands free use:* 1000V. 10A, -13 to 176°F (-25°C to 80°C).  
**\*Std. Colors:** -0 Black, -2 Red.

**Alligator Test Clip Patch Cord**



Model#	Length
AL-B-12-*	12in (0.3m)
AL-B-24-*	24in (0.6m)
AL-B-36-*	36in (0.9m)
AL-B-48-*	48in (1.2m)
AL-B-60-*	60in (1.5m)

**Jaw Opening:** 0.300in (7.62mm).  
**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 150V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.  
**\*Std. Colors:** -0 Black, -2 Red.

**Alligator Test Clip Patch Cord Kit**

Model#	Length	Kit contains
6356-12	12in (0.3m)	10pcs. of Model AL-B patch cords, one each of 10 colors.
6356-24	24in (0.6m)	
6356-36	36in (0.9m)	
6356-60	60in (1.5m)	

**5 Way Alligator to Sheathed Right Angle Set**



Model#	Length
6483-48-02	48in (1.2m)

Clip includes bed of nails and single needle tip for easy, versatile piercing of wire insulation to contact inner conductor for measurement. Pierces 19 to 26 AWG wire.  
**Std. Colors:** -0 Black, -2 Red, -02 Set of one black and one red.

**Multi-Stacking Banana Plug to Minigator Test Clip**



Model#	Length
3220-12-*	12in (0.3m)
3220-24-*	24in (0.6m)
3220-36-*	36in (0.9m)
3220-48-*	48in (1.2m)

**Jaw Opening:** 0.187in (4.75mm).  
**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 45V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.  
**\*Std. Colors:** -0 Black, -2 Red.

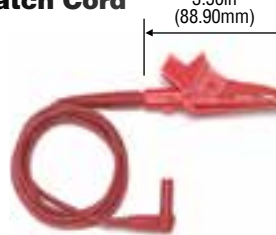
**Retractable Sheath Banana Plug Patch Cord**



Model#	Length
4911A-12-*	12in (0.3m)
4911A-24-*	24in (0.6m)
4911A-36-*	36in (0.9m)
4911A-48-*	48in (1.2m)
4911A-60-*	60in (1.5m)

**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.  
**Rating:** 1000V per IEC61010-031, 10A, +176°F (+80°C) max.  
**\*Std. Colors:** -0 Black, -2 Red.

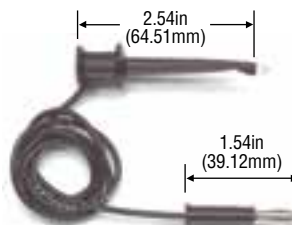
**Extra Large Alligator Test Clip to Sheathed Banana Plug Patch Cord**



Model#	Length
6570-36-*	36in (0.9m)

**Alligator length:** 3.6in (91.44mm),  
**Jaw Opening:** 0.8in (20.32mm).  
**Rating:** Conforms to IEC61010-031, Overvoltage. Category III, 1000V, 10A.  
**Cable:** High flex 18 AWG Silicone wire.  
**\*Std. Colors:** -0 Black, -2 Red.

**Minigrabber® Test Clip to Straight Banana Plug Patch Cord**



Model#	Length
4650-24-*	24in (0.6m)
4650-36-*	36in (0.9m)

Hook attaches to component leads up to 0.060in (1.52mm) O.D.  
**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use:* 300V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.  
**\*Std. Colors:** -0 Black, -2 Red.

**0.025in (0.64mm)  
Square Pin Jack to  
Straight Banana Plug**

Model#	Length
4771-24-*	24in (0.6m)
4771-36-*	36in (0.9m)

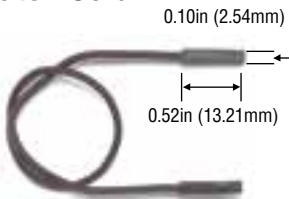


**Cable:** 22 AWG Wire, 0.064in (1.63mm) O.D.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Do not use on circuits where transient stresses can exceed the rated voltage. 3A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red.

**0.025in (0.64mm)  
Square Pin Jack  
Patch Cord**

Model#	Length
4741-6-*	6in (0.15m)
4741-12-*	12in (0.3m)
4741-24-*	24in (0.6m)



**Cable:** 22 AWG Wire, 0.064in (1.63mm) O.D.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 45 Vac/60 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 3A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red.

**0.025in (0.64mm)  
Square Pin Jack  
Patch Cord Kit**

**Model# 5948**

Kit contains 10 pcs. of Model 4741-6, one ea. of 10 colors.

**0.025in (0.64mm)  
Square Pin Jack to  
0.080in (2.03mm)  
Pin Tip Plug**

Model#	Length
4772-24-*	24in (0.6m)

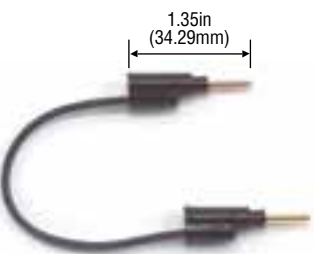


**Cable:** 22 AWG Wire, 0.064in (1.63mm) O.D.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 45 Vac/60 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 3A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red.

**Stacking Pin Tip Plug  
Patch Cord**

Model#	Length
P-4-*	4in (0.1m)
P-8-*	8in (0.2m)
P-12-*	12in (0.3m)
P-18-*	18in (0.5m)
P-24-*	24in (0.6m)
P-36-*	36in (0.9m)



**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.  
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 3000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +131°F (+55°C) max.

\*Std. Colors: -0 Black, -2 Red.

**Banana Plug to  
Banana Jack**

Model#	Length
4702-24-*	24in (0.6m)
4702-36-*	36in (0.9m)
4702-48-*	48in (1.2m)



**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 5000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 15A, +131°F (+55°C) max.

\*Std. Colors: -0 Black, -2 Red.

**Minigrabber® Test Clip  
to Miniature Stacking  
Banana Plug**

Model#	Length
3784-24-*	24in (0.6m)
3784-36-*	36in (0.9m)



Hook attaches to component leads up to 0.06in (1.52mm) O.D.

**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 300V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +131°F (+55°C) max.

\*Std. Colors: -0 Black, -2 Red.

**Miniature Stacking  
Banana Plug Patch Cord**

Model#	Length
1081-4-*	4in (0.1m)
1081-8-*	8in (0.2m)
1081-12-*	12in (0.3m)
1081-18-*	18in (0.5m)
1081-24-*	24in (0.6m)
1081-36-*	36in (0.9m)
1081-48-*	48in (1.2m)
1081-60-*	60in (1.5m)



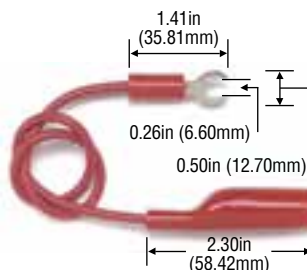
**Cable:** 20 AWG Wire, 0.087in (2.21mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 3000 Vdc. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +131°F (+55°C) max.

\*Std. Colors: -0 Black, -2 Red.

**Alligator Test Clip to  
Insulated Spade Lug**

Model#	Length
1960-36-*	36in (0.9m)



**Jaw Opening:** 0.30in (7.62mm).

**Cable:** 18 AWG Wire, 0.144in (3.56mm) O.D.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for *hands free use*: 150V. Do not use on circuits where transient stresses can exceed the rated voltage. 5A, +122°F (+50°C) max.

\*Std. Colors: -0 Black, -2 Red.

\*Color Code: -0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White

Pomona has made it easy for you to have exactly what you need with a huge selection of patch cords and test leads designed for reliable, convenient connections. Whether you need a test lead that can access an IC pin without shorting or a patch cord that accommodates multiple stacking, Pomona Electronics' design and reliability are your connection with quality.

### Calibration Accessory Kit

Model# CK73041

The Pomona CK73041 Calibration Kit includes the major connectors and test cables you need for instrument calibration in a comprehensive kit. Versatile adapters and flexible cables greatly expand the variety of test cables you can create, reducing the number of special-purpose patch cords and connectors needed for calibration applications.

#### Perfect for:

- Field Calibration
- Outfitting a new technician or lab
- Comprehensive replacement of important connectors and leads



#### The Calibration Kit allows you to:

- Combine connectors with patch cords to create a wide variety of necessary test cables.
- Reduce the number of test cables needed by creating multiple combinations.
- Make low voltage precision measurements with shielded low thermal EMF spade lug patch cords.
- Easily connect to a variety of test equipment with BNC to banana and BNC to binding post adapters.
- Use shielded coax cables for test and calibration rather than unshielded leads.
- Turn banana plug patch cords into test leads terminated with alligator clips, spade lugs, or pin tips.
- Access N Type instrument jacks.
- Connect to analog components from coaxial cables.
- Take advantage of shielded dual conductor patch cords.
- Daisy-chain leads for those long lead situations.

For data sheets / specifications of the individual components contained in the CK73041 Calibration Kit, please visit our Pomona website at: [www.pomonaelectronics.com](http://www.pomonaelectronics.com)



# Boxes and Enclosures

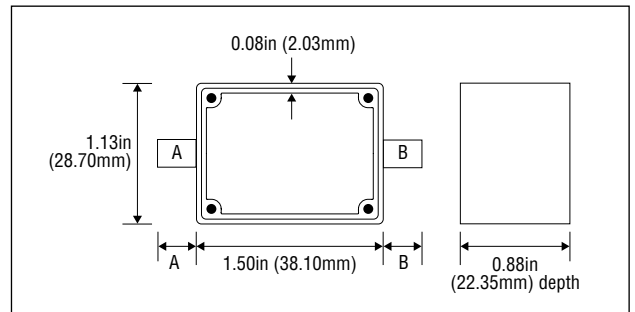
Pomona – the place to make your connections. From setting up system electronics to circuitry prototyping to creating permanent junctions, Pomona provides you with the boxes and enclosures to securely seal signal sensitive cables and wires. The large variety of die-cast aluminum connectorized enclosures and phenolic or molded thermoplastic boxes are ready to house components in styles and sizes that will simplify your interconnections.

## Miniature Size Die Cast Aluminum Box with Cover

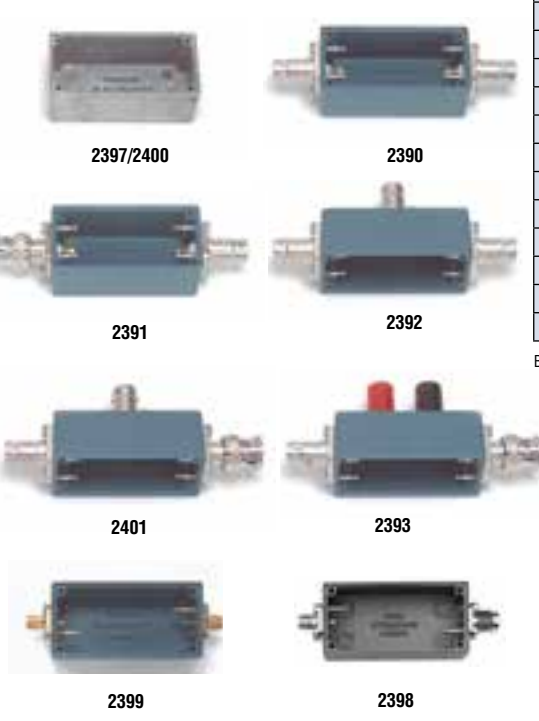


Model#	Finish	Connector: A		Connector: B	
		Type	Length	Type	Length
3754	None	–	–	–	–
3753	BBE	–	–	–	–
3751	BBE	BNC (F)	0.72in (18.29mm)	BNC (F)	0.72in (18.29mm)
3752	BBE	BNC (F)	0.72in (18.29mm)	BNC (M)	0.85in (21.59mm)
4742	Replacement cover				
4864	Cover screws, 100/pkg				
2352	Connector screws with solder turret, 100/pkg				

BBE = Blue Baked Enamel      Cover and screws included with all boxes.

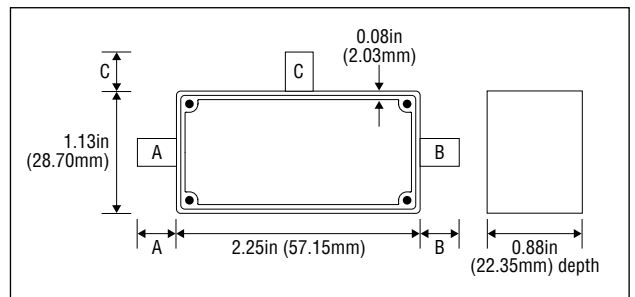


## “A” Size Die Cast Aluminum Box with Cover



Model#	Finish	Connector: A		Connector: B		Connector: C	
		Type	Length	Type	Length	Type	Length
2400	None	–	–	–	–	–	–
2397	BBE	–	–	–	–	–	–
2390	BBE	BNC (F)	0.72in (18.29mm)	BNC (F)	0.72in (18.29mm)	–	–
2391	BBE	BNC (M)	0.85in (21.59mm)	BNC (F)	0.72in (18.29mm)	–	–
2392	BBE	BNC (F)	0.72in (18.29mm)	BNC (F)	0.72in (18.29mm)	BNC (F)	0.72in (18.29mm)
2401	BBE	BNC (F)	0.72in (18.29mm)	BNC (F)	0.72in (18.29mm)	BNC (M)	0.85in (21.59mm)
2393	BBE	BNC (F)	0.72in (18.29mm)	BNC (M)	0.85in (21.59mm)	PDB	0.82in (20.83mm)
2398	BBE	SMA (F)	0.38in (9.69mm)	SMA (M)	0.38in (9.69mm)	–	–
2399	BBE	SMA (F)	0.38in (9.69mm)	SMA (F)	0.38in (9.69mm)	–	–
4245	Replacement cover						
3728	Flange mounting cover						
4864	Cover screws, 100/pkg						
2352	Connector screws with solder turret						

BBE = Blue Baked Enamel      PDB = Post, Double Binding      Cover and screws included with all boxes.



**“B” Size Die Cast Aluminum Box with Cover**



2417/2428



3230



3231



3239



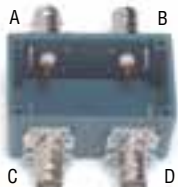
2411



3232



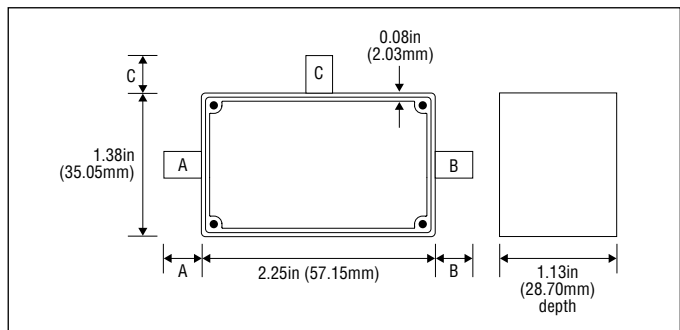
2420



3234

Model#	Finish	Connector: A		Connector: B		Connector: C		Connector: D	
		Type	Length	Type	Length	Type	Length	Type	Length
2428	None	-	-	-	-	-	-	-	-
2417	BBE	-	-	-	-	-	-	-	-
3230	BBE	BNC (F)	0.72in (18.29mm)	BNC (F)	0.72in (18.29mm)	-	-	-	-
3231	BBE	BNC (F)	0.72in (18.29mm)	BNC (M)	0.85in (21.59mm)	-	-	-	-
2411	BBE	N (M)	0.81in (20.57mm)	N (F)	0.75in (19.05mm)	-	-	-	-
3239	BBE	IBNC	0.47in (11.94mm)	IBNC	0.47in (11.94mm)	-	-	-	-
2420	BBE	BNC (F)	0.72in (18.29mm)	N (M)	0.75in (19.05mm)	-	-	-	-
3232	BBE	BNC (F)	0.72in (18.29mm)	BNC (F)	0.72in (18.29mm)	BNC (F)	0.72in (18.29mm)	-	-
3234	BBE	BNC (F)	0.72in (18.29mm)	BNC (F)	0.72in (18.29mm)	BNC (F)	0.72in (18.29mm)	BNC (F)	0.72in (18.29mm)
4246	Replacement cover								
3719	Flange mounting cover								
4864	Cover screws, 100/pkg								
2352	Connector screws with solder turret								

BBE = Blue Baked Enamel IBNC = Isolated BNC Cover and screws included with all boxes.



**“C” Size Die Cast Aluminum Box with Cover**



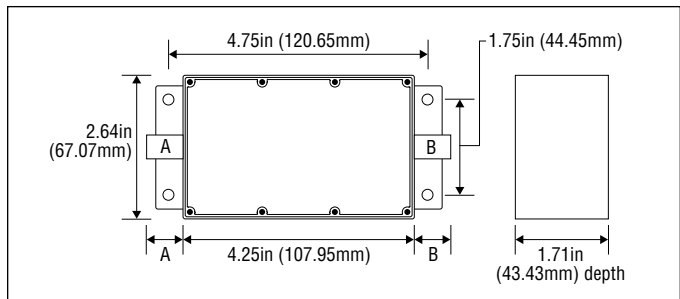
2901 / 2906



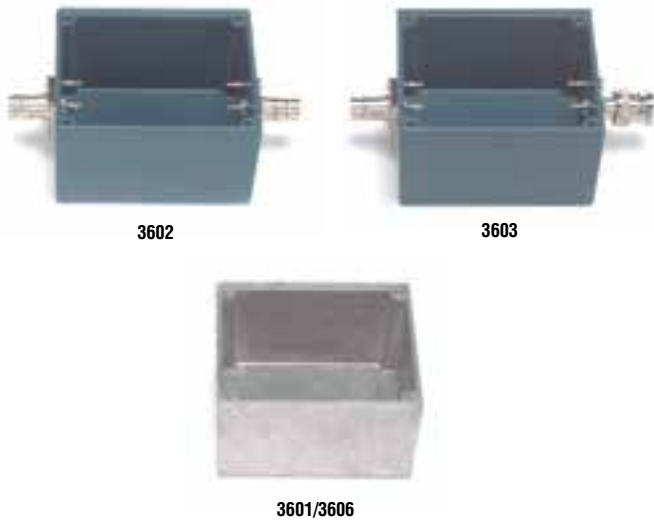
2902

Model#	Finish	Connector: A		Connector: B	
		Type	Length	Type	Length
2906	None	-	-	-	-
2901	BBE	-	-	-	-
2902	BBE	BNC (F)	0.72 (18.29mm)	BNC (F)	0.72 (18.29mm)
4248	Replacement cover				
2352	Connector screws with solder turret				

BBE = Blue Baked Enamel Cover and screws included with all boxes.

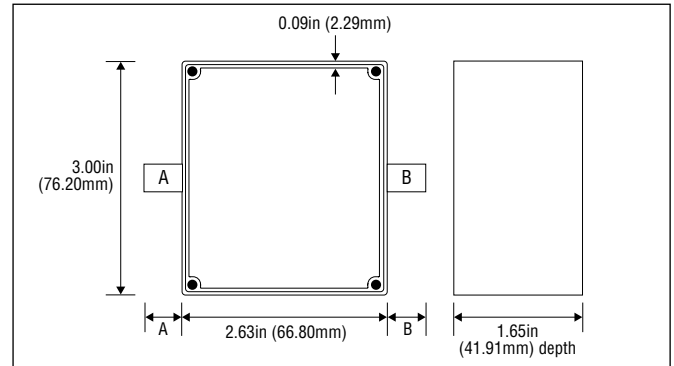


**“D” Size Die Cast Aluminum Box with Cover**



Model#	Finish	Connector: A		Connector: B	
		Type	Length	Type	Length
3606	None	–	–	–	–
3601	BBE	–	–	–	–
3602	BBE	BNC (F)	0.72 (18.29mm)	BNC (F)	0.72 (18.29mm)
3603	BBE	BNC (F)	0.72 (18.29mm)	BNC (M)	0.85 (21.59mm)
4726	Replacement cover				
2352	Connector screws with solder turret				

BBE = Blue Baked Enamel Cover and screws included with all boxes.



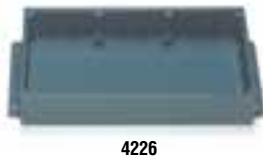
**“E” Size Die Cast Aluminum Box with Cover**

Model#	Finish
5186	None
4226	Blue Baked Enamel
4416	Replacement cover

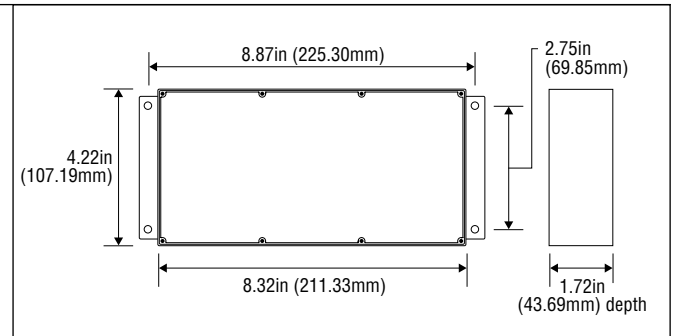
Cover and screws included.

**Recommended Circuit Board Sizes:**

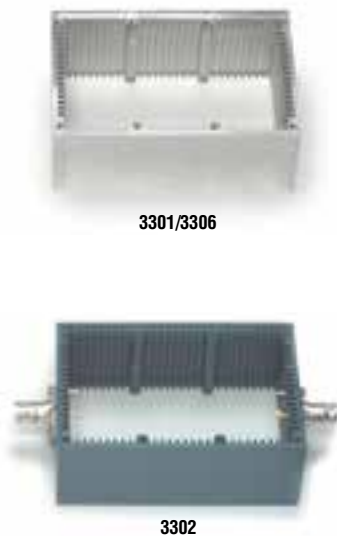
- 8.00in x 1.49in x .062in, (203.2mm x 37.85 x 1.57mm) Thick.
- 3.90in x 1.49in x .062in, (99.06mm x 37.85 x 1.57mm) Thick.
- 7.60in x 3.40in x .062in, (193.04mm x 86.36mm x 1.57mm) Thick.



4226



**“F” Size Extruded Aluminum Box with Covers**

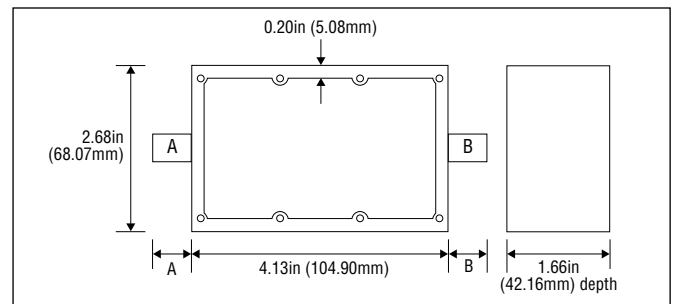


3301/3306

3302

Model#	Finish	Connector: A		Connector: B	
		Type	Length	Type	Length
3306	None	–	–	–	–
3301	BBE	–	–	–	–
3302	BBE	BNC (F)	0.72in (18.29mm)	BNC (F)	0.72in (18.29mm)
4247	Replacement cover				
4862	Cover screws, 100/pkg				
2352	Connector screws with solder turret				

BBE = Blue Baked Enamel Cover and screws included with all boxes.



**Recommended Circuit Board Sizes:**

- 3.90in x 1.48in x 0.062in, (99.06mm x 37.59 x 1.57mm) Thick.
- 2.40in x 1.48in x 0.062in, (60.96mm x 37.59mm x 1.57mm) Thick.

**“G” Size Extruded Aluminum Box with Cover**



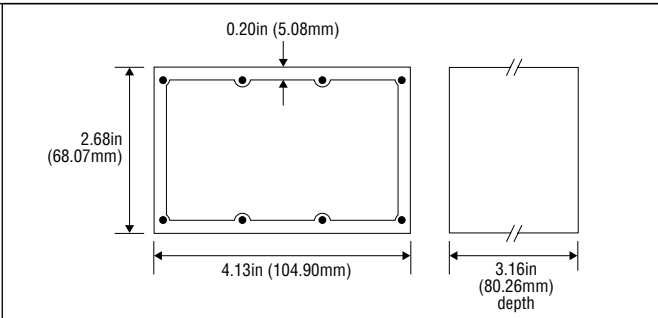
3311

Model#	Finish
3316	None
3311	Blue Baked Enamel
4247	Replacement cover
4862	Cover screws, 100/pkg

Cover and screws included.

**Recommended Circuit Board Sizes:**

3.90in x 2.98in x .062in,  
(99.06mm x 75.69mm x 1.57mm) Thick.  
2.40in x 2.98in x .062in,  
(60.96mm x 75.69mm x 1.57mm) Thick.



**“H” Size Extruded Aluminum Box with Cover**



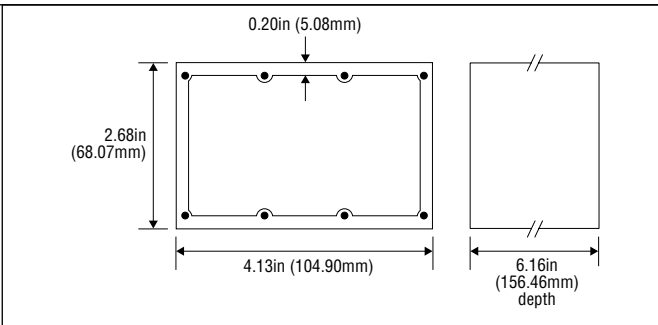
3742

Model#	Finish
3743	None
3742	Blue Baked Enamel
4247	Replacement cover
4862	Cover screws, 100/pkg

Cover and screws included.

**Recommended Circuit Board Sizes:**

3.90in x 5.98in x .062in,  
(99.06mm x 75.69mm x 1.57mm) Thick.  
2.40in x 5.98in x 0.062in,  
(60.96mm x 75.69mm x 1.57mm) Thick.



**“J” Size Die Cast Aluminum Box with Cover**



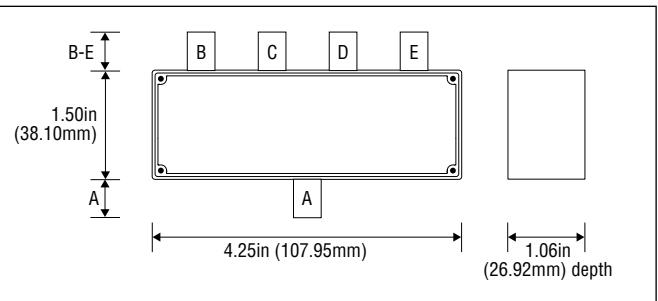
4655/5255



4656

Model#	Finish	Connector: A		Connector: B to E	
		Type	Length	Type	Length
5255	None	—	—	—	—
4655	BBE	—	—	—	—
4656	BBE	BNC (F)	0.72 (18.29mm)	BNC (F)	0.72 (18.29mm)
4658	Replacement cover				
4864	Cover screws, 100/pkg				

BBE = Blue Baked Enamel Cover and screws included with all boxes.



**Recommended Circuit Board Sizes:**

4.13in x 0.87in x 0.062in, (104.9mm x 22.10mm x 1.57mm) Thick. 1.38in x 0.87in x .062in, (35.05mm x 22.10mm x 1.57mm) Thick.



**“L” Size Die Cast Aluminum Box with Cover**



4903

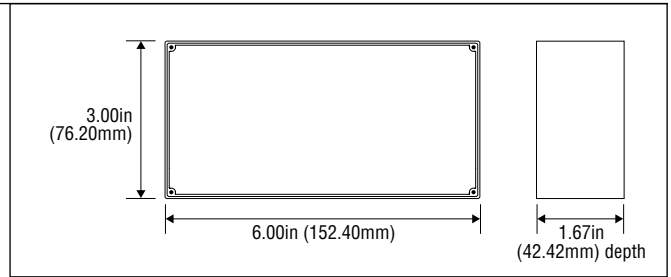
Model#	Finish
5203	None
4903	Blue Baked Enamel
5198	Replacement cover
4864	Cover screws, 100/pkg

Cover and screws included.

**Recommended Circuit Board Sizes:**

5.88in x 1.48in x .062in,  
(149.35mm x 37.59mm x 1.57mm) Thick.

2.88in x 1.48in x .062in,  
(73.15mm x 37.59mm x 1.57mm) Thick.



**Black Phenolic Box with Cover**



2105



2259



2098

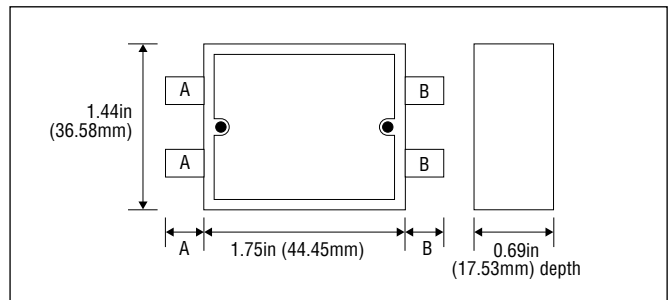


2096

Model#	Finish	Connector: A		Connector: B	
		Type	Length	Type	Length
2105	EGP	-	-	-	-
2259	EGP	PDB	0.80in (20.32mm)	DBP	0.70in (17.78mm)
2098	EGP	DBJ	-	DBP	0.70in (17.78mm)
2096	EGP	-	-	DBP	0.70in (17.78mm)

EGP = Electrical Grade Phenolic  
PDB = Post, Double Binding  
DBJ = Double Banana Jack  
DBP = Double Banana Plug

Cover and screws included with all boxes.



**Black Phenolic Box with Cover**



2103

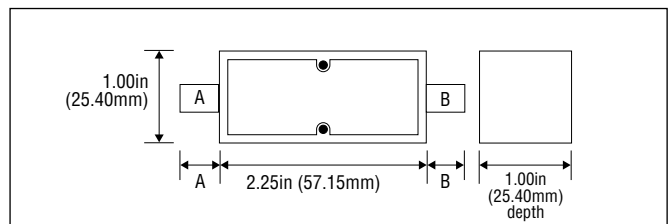


2099

Model#	Finish	Connector: A		Connector: B	
		Type	Length	Type	Length
2103	EGP	-	-	-	-
2099	EGP	BNC (M)	0.85 (21.59mm)	BNC (F)	0.72 (18.29mm)

EGP = Electrical Grade Phenolic  
DBJ = Double Banana Jack  
DBP = Double Banana Plug

Cover and screws included with all boxes.



**Black Phenolic Box with Cover**



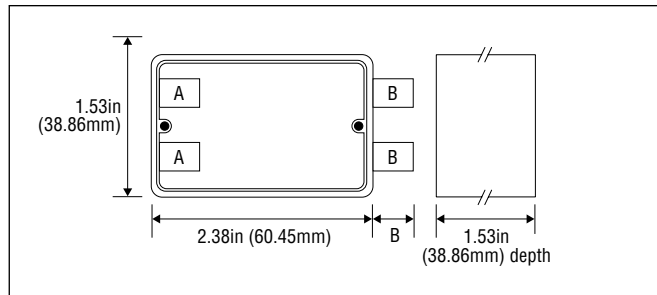
2224



2104

Model#	Finish	Connector: A		Connector: B	
		Type	Length	Type	Length
2104	EGP	-	-	-	-
2224	EGP	DBJ	-	DBP	0.70 (17.78mm)

EGP = Electrical Grade Phenolic      Cover and screws included with all boxes.  
 DBJ = Double Banana Jack  
 DBP = Double Banana Plug



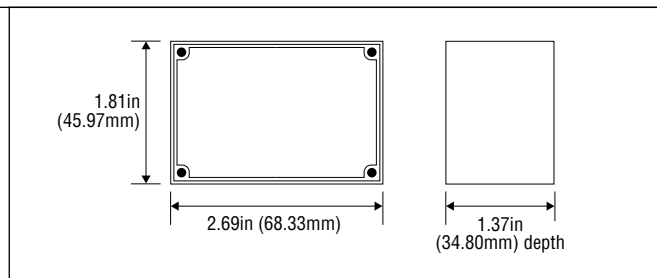
**Molded Thermoplastic Box with Card Guides and Cover**

Model#	Finish
3850-0	Black - Thermoplastic
3850-6	Blue - Thermoplastic
4864	Cover screws, 100/pkg

Cover and screws included.  
**Recommended Circuit Board Sizes:**  
 2.51in x 1.60in x .062in,  
 (63.35mm x 40.64mm x 1.57mm) Thick.



3850-0



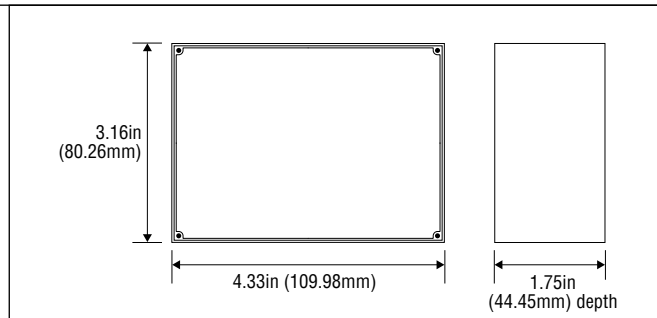
**Molded Thermoplastic Box with Card Guides and Cover**

Model#	Finish
4384-0	Black - Thermoplastic
4384-6	Blue - Thermoplastic
4864	Cover screws, 100/pkg

Cover and screws included.  
**Recommended Circuit Board Sizes:**  
 3.93in x 1.58in x 0.062in  
 (99.82mm x 40.13mm x 1.57mm) Thick.  
 3.90in x 2.98in x 0.062in,  
 (99.06mm x 75.69mm x 1.57mm) Thick.



4384-0



# DMM Accessories and Kits

Connecting with the industry's leading digital multimeter brands, Pomona provides the world's largest selection of test leads and probes. Superior materials and outstanding design, assure conformity with industry-leading reliability and performance standards. From high-density IC leads to voltage on a distribution panel, Pomona connects you with the right solution.

## Deluxe Multi-Use DMM Maxi-Kit



### Model# 5677B

1. Silicone insulated 4ft (1.2m) leads with right angle plug.
2. Modular probe set with replaceable tips.
3. 5 sets of replacement tips.
4. Retractable tip test probe set.
5. Test lead coupler set.
6. Medium alligator clip set.
7. Large alligator clip set.
8. Spade lugs.
9. IC probe tip adapter.
10. Minigrabber® test clip leads.
11. Minipincer® test clip leads.
12. Nylon storage pouch.

- Modular probes with interchangeable tips.
- Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs for most meters from Fluke, HP, Meterman, Amprobe, and others.
- New retractable tip probe with 3in (76.2mm) long tip and silicone leads.
- Minigrabber® and Minipincer® test clip leads attach to test leads.
- Test lead coupler connects leads to probe set for 16ft (4.8m) reach.
- Nylon storage pouch with compartments for accessories.

## Electronic DMM Maxi-Kit



### Model# 6340

1. Silicone insulated 4ft (1.2m) leads.
2. Modular probe set.
3. Precision electronic probes.
4. 4 sets of replacements tips.
5. Test lead couplers.
6. Medium alligator clips.
7. Large alligator clips.
8. Minigrabber® test clip leads.
9. Minipincer® test clip leads.
10. Spade lugs.
11. Nylon storage pouch.

- Modular probes with caged-spring tips fit 4mm sockets.
- Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs fit most meters from Fluke, HP, Meterman, Amprobe, Greenlee and others.
- Precision Electronic probe with replacement tips offers flexibility in testing.
- Minigrabber® and Minipincer® test clip leads for smaller test points.
- Nylon storage pouch with compartments for accessories.

**Deluxe Electronic DMM Test Lead Kit**



**Model# 5674C**

1. Silicone insulated 4 ft (1.2m) leads with right-angle plug.
  2. Modular probe set with standard tips.
  3. Extended probe tip adapters.
  4. Medium alligator clips.
  5. IC probe tip adapters.
  6. Minigrabber® test clip leads.
  7. Minipincer® test clip leads.
  8. Maxigrabber® test clips with pincer tip.
  9. Nylon storage pouch.
- Modular probes with standard probe tips.
  - Insulated 4ft (1.2m) test leads with right-angle DMM plugs fit most meters from Fluke, HP, Meterman, and others.
  - Probe tip extender with 3in (76.2mm) long tip.
  - Minigrabber® test clip leads attach to test leads.
  - Minipincer® test clip leads for fine pitch chip leads.
  - Maxigrabber® test clips attach to test leads.
  - Nylon storage pouch with compartments for accessories.

**Electronic DMM Test Lead Kit**



**Model# 5543B**

1. Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs.
  2. Modular electronic test probes with standard tips.
  3. Extended fine-tip probe adapter -red.
  4. Medium alligator clip -black.
  5. IC probe tip adapter -red.
  6. Insulated spade lug -black.
  7. Minipincer® test clip lead -red.
  8. Minigrabber® test clip lead -red.
  9. Nylon storage pouch.
- Silicone insulated 4ft (1.2m) test leads fit meters from Fluke, HP, Meterman, and others.
  - Modular electronic test probes attach to leads.
  - Extended fine-point adapter attaches to probe tips.
  - IC adapter attaches to probe for secure probing on chip leads.
  - Minipincer® test clip lead for fine pitch chip leads.
  - Minigrabber® test clip lead extend the reach of the test leads.

**Basic Electronic DMM Test Lead Kits**



Model#	Plug Type	Ratings
6343	Right-angle DMM plugs	IEC61010, CAT III 1000V CAT II 1000V without protective cap
5672A	Right-angle banana plug	30 Vrms/42.4 Vpk/60 Vdc
6344	Straight DMM plugs	IEC61010, CAT III 1000V CAT II 1000V without protective cap
5325A	Stacking banana plugs	30 Vrms/42.4 Vpk/60 Vdc

1. Comfort-grip DMM test probes.
  2. Silicone insulated 4ft (1.2m) leads.
  3. Extended probe tip adapters.
  4. Alligator clip probe tip adapters.
  5. Plastic storage case (not shown).
- Note:** Model 5672A has HEAVY-DUTY stainless-steel tips.  
See page 67 for banana plug types.
- Featuring Pomona's new comfort-grip probes.
  - Monolithic probes with fixed tips.
  - DMM plugs fit most meters from Fluke, Meterman, HP, Amprobe, Greenlee, and others.
  - Extended tip adapter has sharp needle point.
  - Alligator clip adapter snaps onto the probe tip.

**Deluxe Electronic Bench DMM Test Lead Kit**



Model#	Features	Ratings
6204A	Straight DMM plugs	CAT III, 600V per IEC61010-031

1. Silicone insulated 4ft (1.2m) test leads with straight DMM plugs.
  2. Modular electronic test probes with standard tips.
  3. Extended fine-tip probe adapters.
  4. Medium alligator clips.
  5. IC lead probe tip adapters.
  6. Insulated spade lugs.
  7. Minipincer® test clip leads.
  8. Minigrabber® test clip leads.
  9. Nylon storage pouch.
- Silicone insulated 4ft (1.2m) leads fit meters from Fluke, HP (Agilent), Keithley and others.
  - Modular electronic test probes attach to leads.
  - Extended fine-point adapters attach to probe tips.
  - IC adapters attach to probes for secure probing on chip leads.
  - Minipincer® test clip leads for fine pitch chip leads.
  - Minigrabber® test clip leads extend the reach of the test leads.

**Electronic Bench DMM Test Lead Kit**



Model#
5901B

1. Silicone insulated 4ft (1.2m) test leads with straight DMM plugs.
  2. Modular electronic test probes with replaceable tips.
  3. 5 sets of replacement probe tips
  4. Medium alligator clips.
  5. Insulated spade lugs.
  6. Minigrabber® test clip leads.
  7. Nylon storage pouch.
- DMM plugs fit meters from Fluke, HP (Agilent), Keithley and others.
  - Modular electronic test probes with replaceable tips adapt to many different modes.
  - Replacement probe tips offer a wide variety of probing solutions.
  - Alligator clips attach to test lead for reliable connections.
  - Spade lugs attach to test leads for binding posts or terminal screws.
  - Minigrabber® test clip leads extend the reach of the test leads.
  - Uses 080 probe tips, see 17 for replacement tips.
  - Rated CAT II 600V 10A.

**Deluxe Automotive DMM Test Lead Kit**



Model#
6530A

1. Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs.
  2. Heavy-duty modular test probes with stainless-steel tips.
  3. Heavy-duty alligator clips.
  4. Insulation piercing clips.
  5. Maxigrabber® test clips with alligator jaws.
  6. Maxigrabber® test clips with hook.
  7. Backprobe pins.
  8. Nylon storage pouch.
- Alligator clips attach to test lead for reliable connections.
  - Sharp stainless-steel probe tips resist wear.
  - Insulation piercing clips make connections without stripping insulation from wires.
  - Backprobe pins access contacts through the back side of automotive connectors.
  - DMM plugs fit meters from Fluke, Metroman, Amprobe, Greenlee and others.
  - Maxigrabber® test clips with alligator jaws for quick and easy connections.

**Industrial/Automotive DMM Test Lead Kit**

**Model# 5903A**



1. Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs.
2. Heavy-duty modular test probes.
3. Heavy-duty alligator clips.
4. Insulation piercing clips.
5. Maxigrabber® test clips with alligator jaws.
6. Nylon storage pouch.

- DMM plugs fit meters from Fluke, Meterman, Amprobe, Greenlee and others.
- Sharp stainless-steel probe tips resist wear.
- Alligator clips attach to test lead for reliable connections.
- Insulation piercing clips make connections without stripping insulation from wires.
- Maxigrabber® test clips with alligator jaws for quick and easy connections.

**Deluxe Electrical DMM Test Lead Kit**

Model#	Plug Type	Ratings
5904A	Right-angle DMM plug	CAT III 1000V per IEC61010-031 CAT II 1000V without protective cap



1. Silicone insulated 4ft (1.2m) test leads.
2. Modular electrical test probes with stainless-steel tips.
3. Maxigrabber® test clips with jaws.
4. Maxigrabber® test clips with hooks.
5. Maxigrabber® test clips with pincers.
6. Large alligator clips.
7. Nylon Storage pouch.
8. Protective caps

- DMM plugs fit meters from Fluke, Meterman, Amprobe, Greenlee and others.
- Alligator clips attach to the test leads for secure connections.
- Maxigrabber® test clips attach to test leads.
- Nylon storage pouch to contain all kit components.

**Electrical DMM Test Lead Kit**

**Model# 5673B**



1. Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs.
2. Modular electrical test probes with stainless-steel tips.
3. Extended tip probe adapters.
4. Insulated spade lugs.
5. Medium alligator clips.
6. Large alligator clips.
7. Nylon storage pouch.

- DMM plugs fit meters from Fluke, Meterman, Greenlee, Amprobe and others.
- Spade lugs connect to test leads and can be secured to binding posts or terminals.
- Alligator clips plug into the test leads.

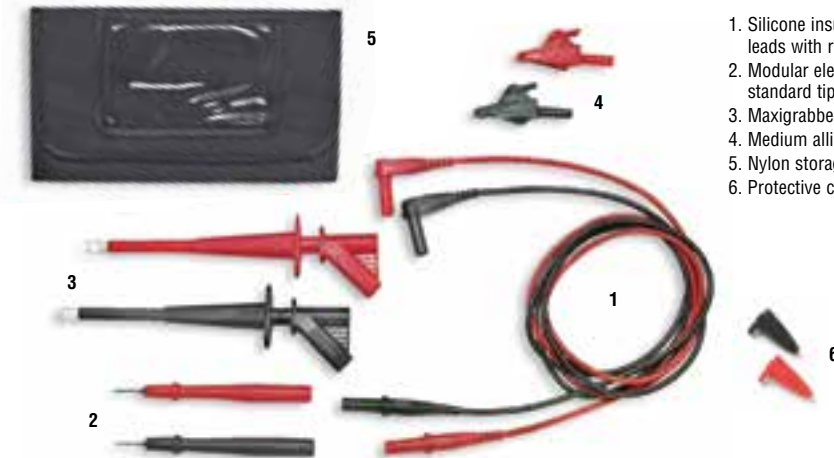
**Basic Electrical DMM Test Lead Kit**



Model#	Plug Type	Ratings
5900A	Right-angle DMM plug	CAT III 1000V per IEC61010-031 CAT II 1000V without protective cap

1. Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs.
  2. Modular electrical test probes with standard tips.
  3. Maxigrabber® test clips.
  4. Nylon storage pouch.
- DMM plugs fit meters from Fluke, Meterman, Greenlee, Amprobe and others.
  - Maxigrabber® test clips with jaws attach to test leads.
  - Nylon carrying pouch included.

**Multi-Use DMM Test Lead Kit**



Model#	Ratings
5899A	CAT III 1000V per IEC61010-031 CAT II 1000V without protective cap

1. Silicone insulated 4ft (1.2m) test leads with right-angle DMM plugs.
  2. Modular electrical test probes with standard tip.
  3. Maxigrabber® with pincer tips.
  4. Medium alligator clips.
  5. Nylon storage pouch.
  6. Protective caps
- DMM plugs fit meters from Fluke, Meterman, Greenlee, Amprobe and others.
  - Alligator clips attach to test lead for reliable connections.
  - Maxigrabber® test clips with pincers for quick and easy connections.

**Deluxe Industrial Test Companion™ Kit**



**Model# 6173A**

Includes shoulder-pack style Cordura carrying case plus the following IEC61010 compliant test accessories:

1. Modular Electrical Test Probe Set with Banana Plug Tip.
2. Flexible Test Lead Set with Right-Angle and Straight Banana Plugs.
3. Probe Lead Set with Sharp Stainless Steel Tip.
4. Maxigrabber® Test Clip Set with Pincer Tip.
5. Maxigrabber® Test Clip Set with Hook Tip.
6. Maxigrabber® Test Clip Set with Jaws.
7. Extra Large Alligator Clip Set.
8. Medium Alligator Clip Set.
9. Insulated Spade Lug Sets (2).

**Deluxe Electronic Test Companion™ Kit**



**Model# 6345**

Includes large briefcase style Cordura carrying case plus the following test accessories:

1. Modular Electronic Probe Set with Replaceable Tip.
2. Assorted Replacement Tips.
3. Flexible Test Lead Set with Right Angle and Straight Banana Plugs.
4. SMD Test Tweezer® to Banana Plugs.
5. Minigrabber® Test Clip Leads.
6. Minipincer® Test Clip Leads.
7. Micrograbber® Test Clip Leads.
8. SMD Grabber® Test Clip Leads.
9. Medium Alligator Clip Set.
10. Slide-on Extended Tip Set.
11. Slide-on IC Tip Set.
12. Spade Lug Adapter Set.

**Industrial Test Companion™ Kit**

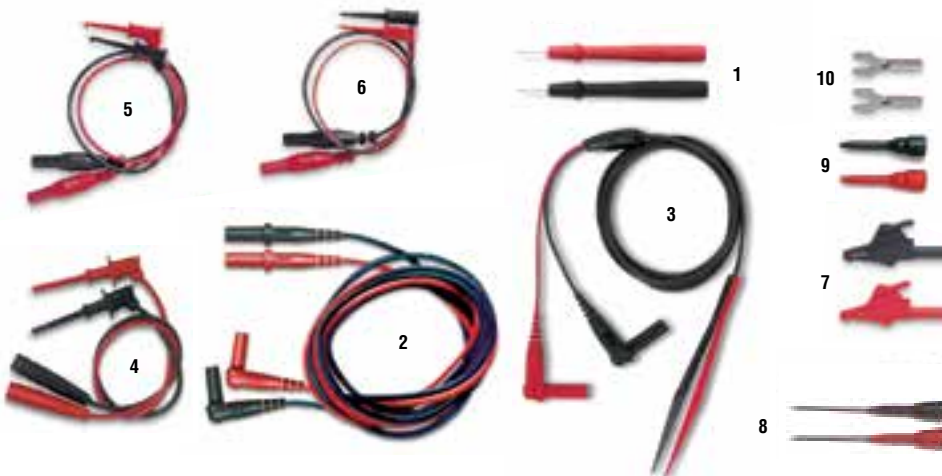


**Model# 6172A**

Includes shoulder-pack style Cordura carrying case plus the following IEC61010 compliant test accessories:

1. Modular Electrical Test Probe Set with Banana Plug Tip.
2. Flexible Test Lead Set with Right-Angle and Straight Banana Plugs.
3. Probe Lead Set with Sharp Stainless Steel Tip.
4. Maxigrabber® Test Clip Set with Pincer Tip.
5. Maxigrabber® Test Clip Set with Hook Tip.
6. Medium Alligator Clip Set.
7. Insulated Spade Lug Set.

**Electronic Test Companion™ Kit**



**Model# 6174**

Includes shoulder-pack style Cordura carrying case plus the following test accessories:

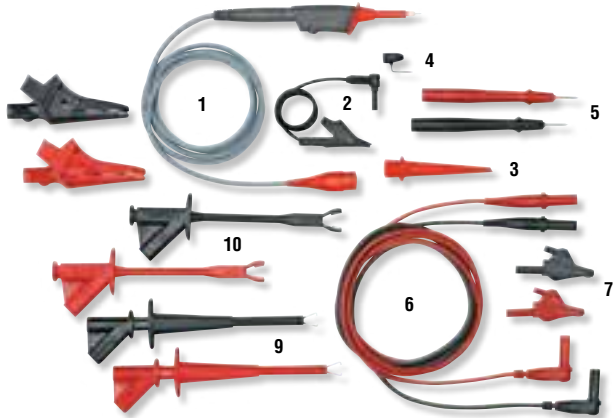
1. Modular Electronic Probe Set with 0.080in (2.03mm) diameter tip.
2. Flexible Test Lead Set with Right-Angle and Straight Banana Plugs.
3. SMD Test Tweezer® to Banana Plugs.
4. Minigrabber® Test Clip Leads
5. Micrograbber® Test Clip Leads.
6. SMD Grabber® Test Clip Leads.
7. Medium Alligator Clip Set.
8. Slide-on Extended Tip Set.
9. Slide-on IC Tip Set.
10. Spade Lug Adapter Set.



**Probe and Lead Kit for Portable Scopes**

Model# 72942

Includes shoulder-pack style Cordura carrying case plus the following test accessories:



1. Red Scope Probe, 500 MHz, see page 77.
2. Black Ground Lead.
3. Red Sprung Hook.
4. Probe Tip Ground.
5. Modular Test Probe with Standard 0.080in (2mm) Tip.
6. Flexible Test Lead Set with Straight and Right-Angle Banana Plugs.
7. Medium Alligator Clip Set.
8. Extra Large Alligator Clip Set.
9. Maxigrabber® Set Pincer Style.
10. Maxigrabber® Test Clip Set with Jaws.

**Precision Electronic Test Probe Set**



Model#	Features	Ratings
6341	Probe set with complete set of 5 tips	IEC61010 CAT II 1000V*
6342	Probe set with sharp point gold pogo pin tips	CAT II 1000V
6275	Probe set with sharp stainless steel rigid tips	CAT II 1000V
6354	Replacement probe tips. Set of 5 types.	

- Replaceable 0.04in (1.01mm) pogo-pin tips.
- Small outline for tight test situations.
- Replaceable pogo-pin tips.
- Comfort-grip textured surface.
- Fits all meters including Fluke, HP (Agilent), Keithley, Meterman and others.
- Silicone insulated leads resist abrasion and heat.

**Replacement Tips**

1. Sharp-point gold pogo-pin.
2. Tri-point gold pogo-pin.
3. Quad-point gold pogo-pin.
4. Sharp stainless steel rigid.
5. 3in (76.2mm) long extended. Stainless steel.

\*except when used with 3in (76.2mm) tip which is 33Vrms/70Vdc.

See page 71 for more probe tips.

**Safety 2mm/4mm Test Probe Set**

Model#	Ratings
6601	IEC61010 1000V CAT III CAT II 1000V without protective cap



- Versatile 2mm probe tip with screw-on 4mm tip.
- Each probe includes Protective Cap designed to meet Guidance Note GS38.
- Silicon insulated 4ft (1.2m) test leads with right-angle DMM plugs.
- Comfort-grip textured surface.

**Test Probes with Screw-on Alligator Clips**

Model#	Ratings
6723	IEC61010 1000V CAT III 20A (probe alone) IEC61010 1000V CAT II without protective cap IEC61010 300V, CAT II 10A (with alligator clip attached)



- Probe set includes 2 screw-on alligator clips.
- 8-32 threaded tips allow secure attachment of alligator clips.
- Silicon insulated 4ft (1.2m) test leads with right-angle DMM plugs.
- Comfort-grip textured surface.
- Wide temperature range of 14 to 131°F (-10 to +55°C).

**Retractable Needle Tip Test Probes**

Model#	Plug Type	Ratings
5953A	Right-angle DMM	CAT II 600V*
5952A	Stacking banana	600V**

\*per IEC61010



- Silicone insulated 4ft (1.2m) leads fits most meters from Fluke, Meterman, HP, Amprobe, Greenlee and others.
- Fully insulated tip extends to 3in (76.2mm).
- Durable 0.040in (1.02mm) stainless-steel needle tips reach into inaccessible areas.
- Set of 2 probes, one black and one red.

\*\*Ratings: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms / 42.2 Vpk / 60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 600 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage.

See page 62 for banana plug types.

**Additional Screw-on Alligator Clip Set for 6723**

Model#	Ratings
6726	300V, CAT II 10A



- Set of 2 screw-on alligator clips.
- Designed for use with 8-32-UNC 2A threaded probe like the Pomona 6723.
- 8-32 threaded tips allow secure attachment of alligator clips.
- Wide temperature range of 14 to 131°F (-10 to +55°C).

**Test Companion Kits include your favorite probes, clips, and leads in their own specially designed carrying case. Select from the following table.**

Model#	Kit Model#									Page
	6112A	6162	6171	6172A	6173A	6174	6175	6237	6345	
<b>Test Probes</b>										
5689A Probe with Replaceable Tip			•				•		•	68
5906A Probe with 0.16in (4mm) Banana Tip	•	•		•	•					68
6232A Probe with 0.080in (2.03mm) Brass Tip	•					•	•			68
<b>Test Leads</b>										
5678 SMD Test Tweezers with DMM Plugs						•	•		•	71
5898 Right-Angle Banana/Probe				•	•					67
5907A Straight/Right-Angle Banana	•	•	•	•	•	•	•		•	68
5908A Straight/Straight Sheath Banana Plugs										68
<b>Alligator Clips</b>										
5916A Medium Alligator Clips (2)	•	•	•	•	•	•	•		•	70, 75
6041B Large Alligator Clips (2)	•				•					69, 75
<b>Grabbers</b>										
5910B Maxigrabber Set with Pincer Tips (2)	•			•	•					69
5911B Maxigrabber with Hook Tip Set				•	•					69
5912B Maxigrabber Alligator Clip Set					•					69
<b>Patch Cords</b>										
6244 Minigrabber to Right-Angle Sheathed Banana Plug										46
6248 Minigrabber to Sheathed Banana Jack	•		•			•	•		•	46
<b>Oscilloscope Probes</b>										
4550B Oscilloscope Probe								•		80
<b>Probe Tips/Tip Adapters</b>										
5133 Probe Tip Stainless Steel, Dog Leg Micro (2)			•				•		•	71
5682 Extended Tip Adapter			•				•		•	70
6262 Extended Tip Adapter						•				70
6263 IC Test Tip Adapter						•				71
<b>Spade Lug Adapters</b>										
6203 Insulated Spade Lug		•		•	•					70
<b>Coaxial Cable Assemblies/Adapters</b>										
2249 BNC (M) Cable Assembly								•		7
3788 BNC (M) to Minigrabber Adapter								•		16
<b>Carrying Cases</b>										
5955 Tri-fold Pouch		•								66
6146 Briefcase	•								•	66
6147 Medium Shoulder-pack			•	•	•	•	•			66

**Pomona's Test Companion™ Accessory Cases and Pouches**

Model#	Description
6146	Briefcase style with carrying strap
6147	Medium shoulder-pack with carrying strap
5955	Folding case with Velcro



**Replacement DMM Test Lead Sets with Fixed Tips**

5.5in (139.7mm)



Model#	Features	Plug Type	Ratings
5519A	Standard tip Nickel/brass	Right-angle DMM (1)	CAT III 1000V*
6365	Standard tip Nickel/brass	Straight DMM (2)	CAT III 1000V*
6366	Standard tip Nickel/brass	Retractable sleeve (5)	CAT III 1000V*
5898	Stainless steel heavy-duty tip	Right-angle DMM (1)	CAT III 1000V*
5309A	Stainless steel heavy-duty tip	Stacking banana (3)	1000V**

\*per IEC61010-031  
CAT II 1000V without protective caps

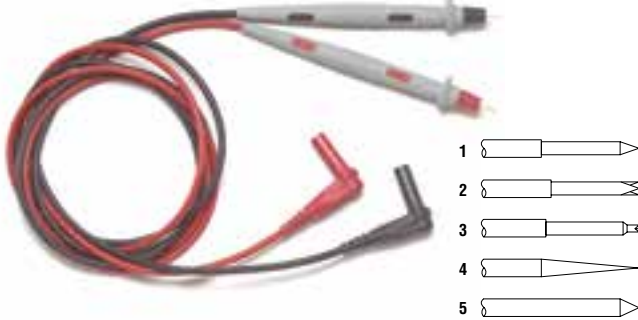
- Monolithic probes with fixed tips.
- Durable 080 tips for long life.
- Comfort-grip probe.
- Silicone insulated 4ft (1.2m) leads fit most DMMs from Fluke, HP (Agilent), Meterman, Amprobe, Greenlee and others.

For Plug Type, see below.

\*\*Ratings: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 1000 Vrms. Do not use on circuits where transient stresses can exceed the rated voltage.

**Probe Kit with Full Set of 5 0.060in (1.52mm) Replacement Tips**

4.85in (123.19mm)



Model#	Description	Plug Type	Ratings
5676A	Hand held DMM probe set	Right-angle DMM (1)	CAT II 1000V*

\*per IEC61010-031

- Two test probes with a full set of all 5 probe tips (10 tips total).
- Silicone insulated 4ft (1.2m) leads.
- 0.06in (1.52mm) tip diameter.

**Replacement Tips**

1. Sharp gold-plated plunger tip.
2. Triple-point gold-plated pogo pin.
3. Gold plated micro tip pogo.
4. Stainless-steel sharp-point.
5. Standard brass.

See page 71 for more probe tips.

**Replaceable 0.060in (1.52mm) Tip Probes**

4.85in (123.19mm)



Model#	Probe Tip	Plug Type	Ratings
6469	Gold-plated Microtip pogo	Right-angle DMM (1)	CAT II 1000V*
6470	Gold-plated Microtip pogo	Straight DMM (2)	CAT II 1000V*
6477	Stainless-steel sharp-point	Right-angle DMM (1)	CAT II 1000V*
5950A	Stainless-steel sharp-point	Straight banana (4)	1000V**
5951A	Nickel-plated brass	Right-angle banana (6)	1000V**

\*per IEC61010-031

- New 0.06in (1.52mm) diameter solid and pogo-pin probe tips can be easily replaced without tools making this versatile probe the perfect tool for nearly every test.
- Comfort-grip probe handle.

Replacement tips available as 6475.

1. Sharp gold-plated plunger tip.
2. Triple-point gold-plated pogo pin.
3. Gold-plated micro tip pogo.
4. Stainless-steel sharp-point.
5. Standard brass.

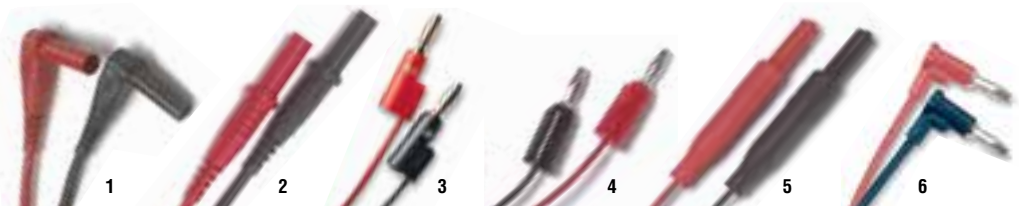
See page 71 for more probe tips.

\*\*Ratings: For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk / 60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 1000 Vrms Vdc. Do not use on circuits where transient stresses can exceed the rated voltage.

**Plug Types**

1. Right-angle DMM plug\*
2. Straight DMM plug\*
3. Stacking banana plug
4. Straight banana plug
5. Retractable sleeve banana plug
6. Right-angle banana plug

\* Shrouded DMM plugs fit most DMMs from Fluke, Meterman, HP (Agilent), Amprobe, Greenlee and others.



**Replacement DMM Test Leads**



Choose plug for this end from below

Plugs into probes below



Model#	Application	Features	Ratings
5907A	Hand held DMM modular test leads	Right-angle DMM plug (1)	CAT III 1000V*
5908A	Bench-top DMM modular test leads	Straight DMM plugs (2)	CAT III 1000V*
5909A	Hand held DMM modular test leads	Right-angle DMM plug at both ends (1)	CAT III 1000V*
6358	Universal DMM test leads	Retractable sheath DMM plugs (3)	CAT III 1000V*

\*per IEC61010-031

- Leads for Pomona Modular Test Probes.
- Plugs fit most popular DMMs from Fluke, Metorman, HP (Agilent), Amprobe, Greenlee and others.
- Silicone insulated 4ft (1.2m) leads.
- Wear indication with double insulated silicone leads for increased safety.
- Retractable sleeve plug fits all banana jacks, binding posts and DMM input jacks.

**Plug Types**

1. Right-angle DMM.
2. Straight DMM.
3. Retractable sheath 0.16in (4mm).

**Replacement Modular Test Probes**



Model#	Probe Type	Features	Ratings
6232A	Modular electrical probe	Standard 0.08in (2.03mm) tip	CAT III 1000V*
6479	Industrial modular probe	Stainless-steel 0.08in (2.03mm) sharp-point	CAT III 1000V*
5906A	Lantern tip	Fits 4mm Jack	CAT III 1000V*
5689A	Replaceable tip modular probe	Stainless-steel 0.08in (2.03mm) sharp-point	CAT III 600V*

\*per IEC61010-031  
CAT II 1000V without protective cap

- Modular probes fit all Pomona test leads.
- Lantern tip probes fit into banana jacks.



**Replacement Modular Test Probe Sets**



Model#	Description	Probe Type	Test Lead Type	Ratings
6286	Standard tip with right-angle DMM plug	6232A	5907A	CAT III 1000V*
6288	Stainless-steel tip with right-angle DMM plug	6479	5907A	CAT III 1000V*
6304	Lantern tip probe with right-angle DMM plug	5906A	5907A	CAT III 1000V*

\*per IEC61010-031  
CAT II 1000V without protective cap



- Modular test probes sets contain one set of modular probes and test leads in one package.
- Silicone insulated 4ft (1.2m) leads fit most meters from Fluke, Metorman, HP (Agilent), Amprobe, Keithley, Greenlee and others.

**SMD Micro Tip/Test Probe**



Model#	Color
5144-48-0	Black
5144-48-2	Red
6235	Set of two: Black, Red

The probe microtip is specially designed to probe SMD contacts. It features a stainless steel needle tip that is flexible to help prevent damage to SMD lands. The tip is curved to aid in probing hard to reach areas.

**Ratings:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 1200 Vrms Max. Do not use on circuits where transient stresses can exceed the rated voltage.

**Maxigrabber® Test Clip Set with Pincer**



Model# 5910B

Includes set of 2, one red and one black.

**Pincer Opening:** 0.080in (2.03mm) dia. test point.

**Rating:** Overvoltage CAT III, 1000V, 10A per IEC61010-031.

**Maxigrabber® Test Clip Set with Hook**



Model# 5911B

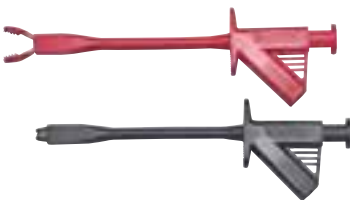
Includes set of 2, one red and one black.

**Hook Fits Test Points to:** 0.060in (1.52mm) diameter.

**Hook Opens to:** 0.25in (6.5mm).

**Rating:** Overvoltage CAT III, 1000V, 10A per IEC61010-031.

**Maxigrabber® Test Clip Set with Jaws**



Model# 5912B

Includes set of 2, one red and one black.

**Jaw Opening:** 0.50in (12.70mm) dia.

**Rating:** Overvoltage CAT III, 1000V, 10A per IEC61010-031.

**Insulation Piercing Maxigrabber® Test Clip Set**



Model# 5913

Includes set of 2, one red and one black.

Pierces insulation to make connection on wire up to 0.144in (3.66mm) diameter.

**Rating:** Overvoltage per IEC61010-031 CAT III, 1000V, 5A.

**BNC Shielded Test Probe Kit**

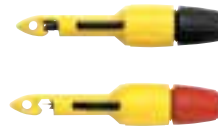


Model# 5292-48

Shield extends to within 1.5in (3.8cm) of probe tip. Compatible with DMM banana plug inputs when using Pomona 1269 BNC to double banana plug adapter. Alligator or Minigrabber test clip can be quickly threaded onto ground lead. Stainless steel dog leg tip excellent for SMD probing. Kit includes: Shielded test probe, Minigator with 6-32 thread for ground lead and insulated flex boot for Minigator, Minigrabber test clip with 6-32 thread for ground lead, Dog leg probe tip.

**Ratings:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum. Maximum voltage for hands free use: 500 Vrms Max. Do not use on circuits where transient stresses can exceed the rated voltage.

**Insulation Piercing Clip Sets**



6405

Model#	Features	Colors
6405	Attach to test leads 4in (10.2cm) long	Set of red/black
6413	Attach to 0.080in (2.03mm) probe tip (10.2cm) long	Set of red/black

- Double V block centers wire
- Set of 2, (red and black jacks)
- Bright yellow for easy location
- Attach to test leads

**Large Alligator Clip Set**



← 3.58in (90.9mm) →

Model#	Color
6041B	Set of 2: Black, Red
6042B-*	1 Clip

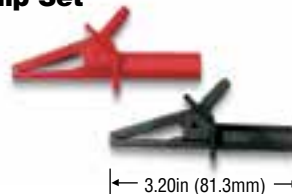
Fits on any DMM or banana plug test lead.

**Rating:** IEC61010-031 CAT III 1000V 20A.

**Jaw Opening:** 1.0in (25.40mm).

\*For singles, order: -0 Black, -2 Red.

**Industrial Alligator Clip Set**



← 3.20in (81.3mm) →

Model# 5914

Fits on any DMM or banana plug test lead.

**Rating:** IEC61010-031 CAT III 600V 10A.

**Jaw Opening:** to 1.0in (25.40mm).

\*Std. Colors: -0 Black, -2 Red.

**Medium Alligator Clip Set**

Model#	Color
5916A	Set of 2: Black, Red
5787A-*	1 Clip



Fits on any DMM or banana plug test lead.  
**Rating:** CAT I. 300V 5A.  
**Jaw Opening:** to 0.30in. (7.62mm).  
**\*For singles, order:** -0 Black, -2 Red.

**Test Lead Couplers**

Model# 6252
-------------



Banana plug splice.  
 Maintains overvoltage rating up to CAT III 1000V per IEC61010-031.  
 Use with any Pomona DMM test leads, even 0.16in (4mm plugs).

**Test Probe Tip Adapters**

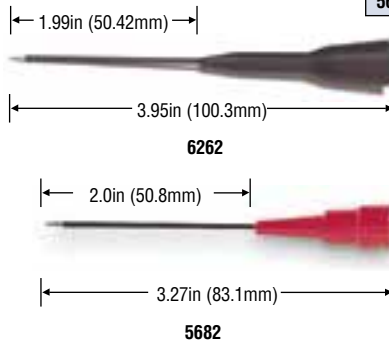
Model# 6264-*
---------------



Alligator Clip.  
 Attach to probe tip.  
**Rating:** CAT I. 300V 5A  
 Works with comfort-grip style and modular electrical probes.  
**\*Std. Colors:** -0 Black, -2 Red.

**Test Probe Tip Adapters**

Model#	Application
6262-*	fits comfort-grip style and modular probes 6232A and 6479
5682-*	fits modular probe 5689A



Extended Fine Point.  
 Insulated probe for hard to reach test points.  
 Maximum 3A.  
**Std. Colors:** -02 1 ea. Black, Red.

**Test Probe Tip Adapters**

Model#	Application
6263-*	fits comfort-grip style and modular probes 6232A and 6479



IC Probe Tip.  
 Attach to 0.08in (2mm) probe tips.  
**Rating:** IEC61010 CAT II, 300V, 5A.  
**\*Std. Colors:** -0 Black, -2 Red.

**AC Voltage Detector and Flashlight**

Model# 7290
-------------



AC Voltage Detector – Detects voltages from 40 Vac to 300 Vac from 1 to 15 inches away from the source. Flashlight feature includes ultra-bright white LED with 100,000 hour bulb. Offers long battery life with standard alkaline AAA battery. No lithium battery needed.

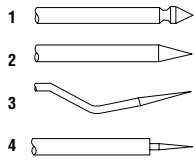
**Insulated Spade Lug Adapters**

Model#	Color
6203	Set of 2: Black, Red
1614A-*	1 Clip



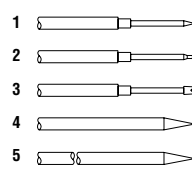
Connect banana plug patch cords to binding posts.  
 Fits screws or binding posts from #10: 0.32in to 0.25in (8.13mm to 6.35mm).  
 Compatible with any Pomona banana jack shrouded or unshrouded  
**\*For singles, order:** -0 Black, -2 Red.

**0.08in (2.03mm) Replacement Probe Tips**



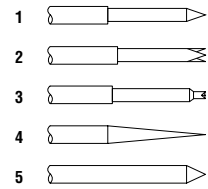
Model#	Item	Features
5133	3	SMD Microtip™ stainless-steel tip
6364	Full set	Set of all tips
	1(4ea)	Nickel-plated standard tip
	2(2ea)	Stainless-steel sharp point
	3(2ea)	SMD Microtip™ stainless-steel tip
	4(2ea)	Sharp needle-point stainless-steel

**0.04in (1.01mm) Replacement Probe Tips**



Model#	Item	Features
6212	3	Quad-point gold-plated pogo pin
6354	Full set	Set of all tips
	1	Sharp gold-plated
	2	Triple-point gold-plated pogo pin
	3	Quad-point gold-plated pogo pin
	4	Sharp stainless-steel
	5	3in (76.2mm) long extended.

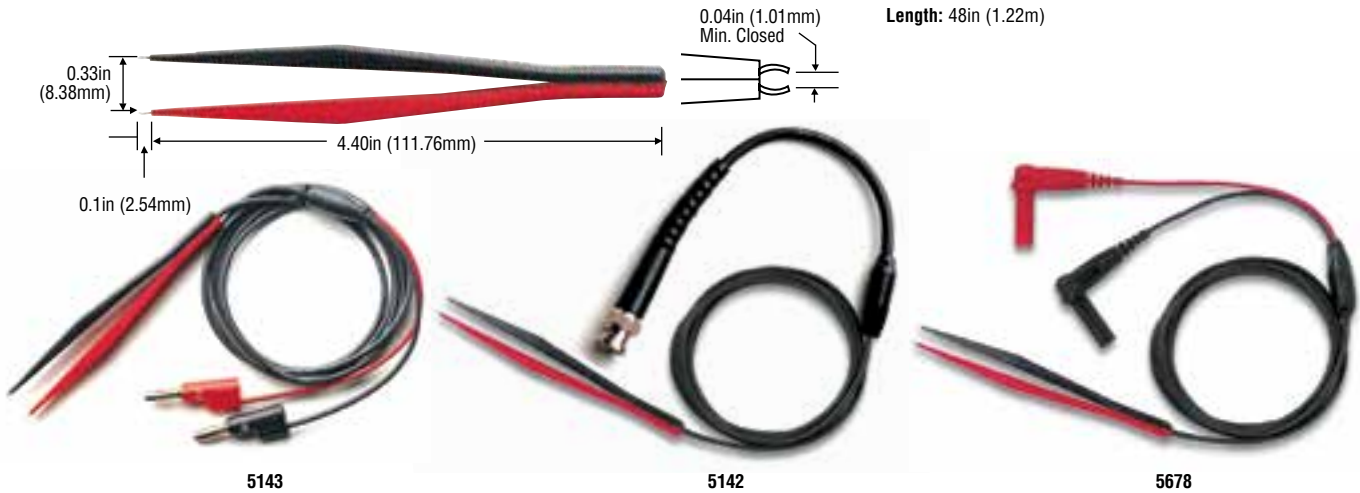
**0.06in (1.52mm) Replacement Probe Tips**



Model#	Item	Features
6475	Full set	Set of all tips
	1	Sharp gold-plated plunger tip
	2	Triple-point gold-plated pogo pin
	3	Gold-plated micro tip pogo
	4	Stainless-steel sharp-point
	5	Standard brass

**SMD Test Tweezer Products**

Model#	Features	Ratings
5143-K-48	Stacking Banana Plug	30 Vrms /42.4 Vpk/60 Vdc,3A
5142-K-48	BNC Male	30 Vrms /42.4 Vpk/60 Vdc,3A
5678-K-48	Right-Angle DMM Plug	30 Vrms /42.4 Vpk/60 Vdc,3A



**RF Detector Test Probes**

Model#	Turn-On Voltage (mV)	Bandwidth (MHz)	Input Capacitance (pF)	Peak AC Input (V)	DC Isolation Incl. Peak AC (V)
6106	350	1MHz-1GHz ± 1.5 dB	6	30	100



Displays RF voltages on multimeter.  
 Manufactured with high reliability SMD components.  
 Slim-line probes will show AC voltages with sine wave shapes between 500 Hz and 1 GHz.  
 Display will show 1 VDC for 1 VRMS of the sine wave signal.  
 Works best on multimeters with 10MΩ input impedance.  
**Cable Length:** 4ft (1.2m).

**Create Your Own Test Leads for Your Own Specific Needs with the Following:**

**Test Lead Wire with Silicone or PVC Insulation**



Model#	Insulation Type	Length
6733-*	Silicone	50ft (15.2m)
6734-*	PVC	50ft (15.2m)

- 50ft (15.2m) of unterminated 18 AWG test lead wire 50ft (15.2m lengths only.)
- Choose from heat-resistant silicone or PVC insulation.
- Very flexible with 192 strands of 41 AWG base copper conductor.
- Wear indication with double insulated silicone leads for increased safety.
- Create your own test leads with the adapters shown below.
- Wide temperature range of -58 to 302°F (-50 to 150°C) with PVC insulation.

\*Std. Colors: -0 Black, -2 Red.

See pages 34-35 for more do-it-yourself plugs.

**Do-It-Yourself 4mm Right Angle Banana Plug**



**Model# 6729**

Build your own safety leads with do-it-yourself safety-sheathed 4mm right-angle banana plug.

**Material:** Contacts: nickel-plated brass; Insulation: lucel acetal polymer.

**Rating:** IEC61010 1000V Category III\*\*, 20A, 14 to 131°F (-10 to +55°C).

\*Std. Colors: -0 Black, -2 Red.

\*\* When plug is correctly assembled and terminated.

**Do-It-Yourself 4mm Stackable Banana Plug**



**Model# 6721**

Build your own safety stacking leads with do-it-yourself safety-sheathed 4mm stackable banana plugs.

**Material:** Contacts: nickel-plated brass, Insulation: lucel acetal polymer.

**Rating:** IEC61010 1000V Category III\*\*, 20A, 14 to 131°F (-10 to +55°C).

\*Std. Colors: -0 Black, -2 Red.

\*\* When plug is correctly assembled and terminated.

**Do-It-Yourself In-Line Sheathed (4mm) Banana Plug and Jack**



6383

6384

- Safety-rated plugs and jacks for use with any wire from 22 to 18 AWG with flexible insulation.
- Plugs fit most sheathed DMM jacks and DMM test leads to make up your own banana plug or jack test lead or jumper.

See mating panel jacks (6387 on page 37).

**Material:** Banana Plug/Jack: brass; Spring: heat treated beryllium copper; Insulation: Santoprene®.

Model #	Type
6383-*	Plug
6383-02	
6384-*	Jack
6384-02	

Attaches to wire by crimp or soldering.

**Rating:** IEC61010 CAT II 300V, 15A, +275°F (+135°C) max.

\*Std. Colors: -0 Black, -2 Red, -02 Black and Red (2 per pkg).

\*Sold in pkgs of 10.

**Kelvin Probes**



**Model# 6303**

For 4-wire and 2-wire measurements. Patented design for high precision rapid testing.

Gold-plated for accuracy.

Easily move from one test point to another for rapid readings.

For use with 4-wire Kelvin meters such as Agilent 34401A, and 3458A.

**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum

**Length:** 48in (122cm)

**Kelvin Lead Set with Kelvin Clips**



**Model# 6730**

- Gold-plated Kelvin clip jaws allow 4-wire resistive measurements.
- Silicone insulated 3.3ft (1m) test lead.
- Safety sheathed straight DMM plugs for convenient bench use.
- Clips firmly grip test points for low-loss connection.

**Rating:** 30 Vrms/42.4 Vpk/60 Vdc 2A Max.

**Kelvin Clip Set**



**Model# 5940**

Two gold-plated clips connect to test points for 4-wire resistive measurement.

Clips open to 0.25in (6.35mm) maximum.

Gold-plated plugs and clips.

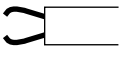
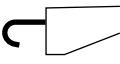
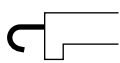
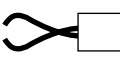
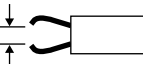










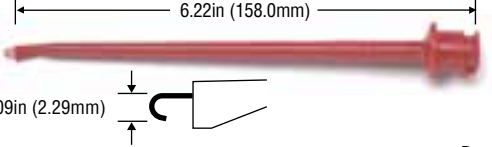

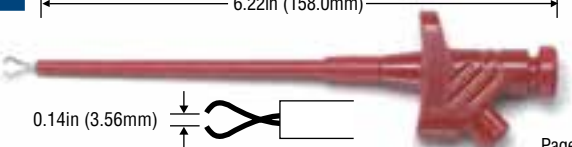
**Rating:** For CE compliance and for personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum.

**Overall Length:** 26.5in (67.3cm).



# Grabbers and Test Clips

Pomona Electronics' Grabber® Test Clips connect rapidly to component test leads, terminals and IC leads. Specially designed tips slide easily onto wire-wrap terminals. And do-it-yourself Grabber test clips can be assembled quickly and easily by the user.

 <p><b>Minipincer SMD Grabber</b> Page 74</p>	 <p><b>Minigrabber</b> Page 73</p>
 <p><b>Micrograbber</b> Page 73</p>	 <p><b>Rotating Micrograbber</b> Page 74</p>
<p><b>SMD</b></p>  <p>0.016in - 0.02in (0.4mm - 0.5mm)</p>  <p>Page 79</p>	
<p><b>Micro</b></p>  <p>0.04in (1.02mm)</p>  <p>1.71in (43.43mm)</p> <p>Page 74</p>	
<p><b>Micro</b></p>  <p>0.10in (2.54mm)</p>  <p>1.71in (43.43mm)</p> <p>Page 74</p>	
<p><b>Mini</b></p>  <p>0.09in (2.29mm)</p>  <p>0.12in (3.05mm)</p> <p>2.54in (64.52mm)</p> <p>Page 73</p>	
<p><b>SMD</b></p>  <p>0.087in (2.21mm)</p>  <p>2.59in (65.79mm)</p> <p>Page 74</p>	
<p><b>Maxi</b></p>  <p>0.09in (2.29mm)</p>  <p>6.22in (158.0mm)</p> <p>Page 74</p>	
<p><b>Maxi</b></p>  <p>0.14in (3.56mm)</p>  <p>6.22in (158.0mm)</p> <p>Page 74</p>	

## Minigrabber® Test Clip with Banana Jack

Model# 4723-\*

Banana Jack built into plunger.

**Overall Length:** 2.54in (64.52mm).

**Rating:** Maximum voltage for *hands free use*. 300V. 5A, 216°F (+102°C) max.

\*Std Colors: -0 Black, -2 Red.

## Do-It-Yourself Minigrabber® Test Clips

Model#	Max. Wire Dia.	Temperature
3925-*	0.090in (2.29mm)	216°F (102°C)
4555-*	0.144in (3.55mm)	300°F (149°C)

**Overall Length:** 2.35in (59.69mm).

**Rating:** Maximum voltage for *hands free use*. 300V. 5A, +216°F (+102°C) max.\*

**Std Colors:** -0 Black, -2 Red.

Model#	Features
4176-02	Kit contains 2 pcs. of 3925, one black/one red
5522	Kit contains 10 pcs. of 3925, one of each color

## Minigrabber® Test Clip with Pin Tip Jack

Model# 4826-\*

A pin jack is built right into the plunger, allowing this test clip to be attached directly to the end of a pin tip patch cord. It can also be used as an adapter for test probes with 0.080in (2.03mm) tips.

**Overall Length:** 2.54in (64.52).

**Rating:** Maximum voltage for *hands free use*. 300V. 5A, 216°F (+102°C) max..

\*Std Colors: -0 Black, -2 Red.

## Oscilloscope Probe Tip Adapters

Model#	Probe Type
6443	Monolithic Series
6553	Modular Series

- Adapter attaches directly to the oscilloscope probe tip.
- Designed for use with Micro SMD Grabber Test Clips.



\*Color Code: -0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, 5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White

**SMD Grabber® Test Clip with 0.025in (0.635mm) Square Pin**



Model#	Features
5360	Sold Individually

Pincer type contact designed for testing 0.05in (1.25mm) lead pitches such as SOJ, SOIC and PLCC surface mounted packages.

0.15in (3.81mm) sq. access hole leads to 0.025in (0.635mm) sq. pin.

**Overall Length:** 1.73in (43.94mm).

**Rating:** Maximum voltage for *hands free use*: 150V. 0.5A, 216°F (+102°C) max.

\*Std Colors: -0 Black, -2 Red.

0.025in (0.635mm) Square Pin Patch Cords available, see page 51.

**Do-It-Yourself SMD Grabber® Test Clips**



Model#	Max. Wire Dia.
5243-*	0.090in (2.29mm)
5520	Kit containing 10 pcs of 5243 one of each color

Pincer type contact designed for testing 0.05in (1.27mm) lead pitches such as SOJ, SOIC and PLCC surface mounted packages.

**Overall Length:** 1.71in (43.43mm).

**Rating:** Maximum voltage for *hands free use*: 150V. 0.5A, 216°F (+102°C) max.

\*Std Colors: -0 Black, -2 Red, -4 Yellow, -5 Green, -9 White.

**Do-It-Yourself Micrograbber® Test Clips**



Model#	Features
4233-*	-0 Black, -2 Red, -5 Green, -9 White

**Overall Length:** 1.71in (43.43mm).

**Material:** Gold plated brass

**Rating:** 150V, 3A, +216°F (+102°C) max.

For hook dimensions see page 73.

**Micrograbber® Test Clip with 0.025in (0.635mm) Square Pin**



Model#	Features
4521*	Sold individually

\*Std Colors: -0 Black, -2 Red.

**Do-It-Yourself Maxigrabber® Test Clips**



Model#	Max. Wire Dia.
4225-*	0.090in (2.29mm)
4565-*	0.144in (3.66mm)

Fits entry holes as small as 0.25in (6.35mm) dia.

**Overall Length:** 6.00in (152.4mm).

**Rating:** Maximum voltage for *hands free use*: 300V, 5A, +216°F (+102°C) max.

\*Std Colors: -0 Black, -2 Red.

For hook dimensions see page 73.

**Do-It-Yourself Flexible Maxigrabber® Test Clips**



Model#
5830-*

Rotating pincer type contact for easier access. Standard banana jack and screw for direct wire termination.

**Overall Length:** 6.22in (157.9mm).

**Rating:** Maximum voltage for *hands free use*: 250V.

\*Std Colors: -0 Black, -2 Red.

For pincer dimensions see page 73.

**Insulated Minigator Test Clip to Pin Tip Jack**



Model#
3491-*

**Jaw Opening:** Alligator clip has 0.187in (4.75mm) max.

**Overall Length:** 2.05in (52.07mm).

**Rating:** Maximum voltage for *hands free use*: 45V. 5A, 122°F (+50°C) max.

\*Std Colors: -0 Black, -2 Red.

**Do-It-Yourself Minipincer® Test Clip**



Model#
5418-*

Pincer type contact.

**Overall Length:** 2.59in (65.79mm).

**Rating:** Maximum voltage for *hands free use*: 300V. 5A, 176°F (+80°C) max.

\*Std Colors: -0 Black, -2 Red

For pincer dimensions see page 73.

**Miniature Alligator Test Clip with 2mm Banana Jack**

5788-\*

**Jaw Opening:** 0.24in (6.10mm) max. .  
**Overall Length:** 1.57".  
**Rating:** 45V, +80°C (+176°F) max.  
**\*Std. Colors:** -0 Black, -2 Red.  
 Sold in pkgs of 10 per color.



**Mini-alligator Clip with 2mm Jack**

Model#	Color
72924-0	Black
72924-2	Red

**Rating:** 600V Cat II, 10A.



**Alligator Test Clip to Banana Jack, with Insulator, Solderable**

Model#	Plating	Features
3289-*	Gold	1 clip and insulator/pkg.
2240-*	Nickel	10 clips and insulators/pkg.
6567	Nickel	10 clips w/o insulators/pkg.

**Jaw Opening:** Alligator clip has 0.30in (7.62mm) max.  
**Overall Length:** 2.16in (54.86mm).  
**Rating:** Maximum voltage for *hands free use*: 150V. 5A, 122°F (+50°C) max.  
**\*Std Colors:** -0 Black, -2 Red.  
 Sold unassembled.



**Medium Alligator Clip Set**

Model#	Features
5916A	Set of 2 Clips Black and Red

Insulated clip with sheathed 0.16in (4mm) receptacle accepts flexible lead sets 5907A, 5908A, 5909A (p. 64).

**Jaw Opening:** 0.30in (7.62mm) max.  
**Overall Length:** 2.25in (57.15mm).  
**Rating:** Cat I 300V, 5A.



**Large Alligator Clip Set**

Model#	Features
6041B	Set of 2 Clips Black and Red
6042B-*	1 Clip

Insulated clip with sheathed 0.16in (4mm) receptacle accepts flexible lead sets 5907A, 5908A and 5909A (p. 64).

**Jaw Opening:** 1.0in (25.40mm) max.  
**Overall Length:** 3.5in (88.90mm).  
**Rating:** Conforms to IEC61010-2-031, Overvoltage Cat III, 1000V, 20A max.  
**\*Std. Colors:** -0 Black, -2 Red.



\*see rating message at start of section.

\*Color Code: -0 Black, -1 Brown, -2 Red, -3 Orange, -4 Yellow, -5 Green, -6 Blue, -7 Violet, -8 Gray, -9 White

Components and circuit boards are getting smaller and smaller. Pomona makes your job easier by providing clips and leads designed for micro-test, including a variety of 2mm connectors for use in tight spaces. From clips designed for chip pitches down to 0.008" (0.2 mm), to patch cords, and even complete SMD test kits, Pomona has the connection you need.

## SMD Multi-Use Test Kit



### Model# 72928

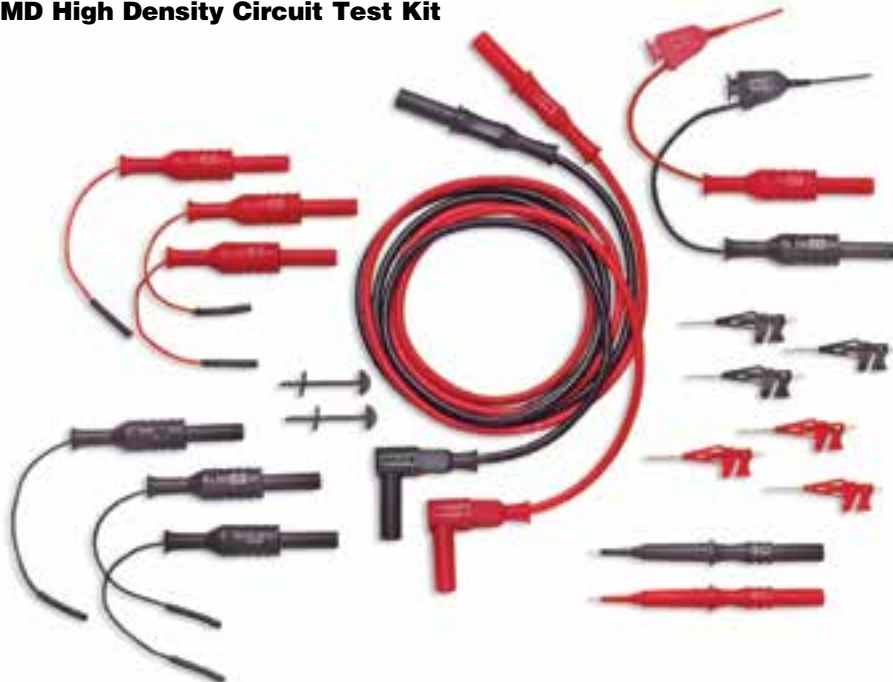
SMD test kit designed for multiple small format test applications.

**Kit includes:**

1. 72902-0 Micro SMD Grabber Test Clips, (Black)
2. 72902-2 Micro SMD Grabber Test Clips, (Red)
3. 72906-0 Mini SMD Grabber Test Clips, (Black)
4. 72906-2 Mini SMD Grabber Test Clips, (Red)
5. 72905-0 Clip lead for Micro SMD Grabber - 0.8mm female/4 mm female, (Black)
6. 72905-2 Clip lead for Micro SMD Grabber - 0.8mm female/4 mm female, (Red)
7. 5908A Bench-top DMM Modular Test leads
8. 72920-39-0 Multi-stacking 2mm safety sheathed patch cords, PVC, 100mm (39in), (Black)
9. 72920-39-2 Multi-stacking 2mm safety sheathed patch cords, PVC, 100mm (39in), (Red)
10. 72923-0 SMD test probe with sharp, spring mounted tip, 2mm jack, (Black)
11. 72923-2 SMD test probe with sharp, spring mounted tip, 2mm jack, (Red)
12. 72917-0 4mm banana plug to 2mm sheathed banana jack adapter, (Black)
13. 72917-2 4mm banana plug to 2mm sheathed banana jack adapter, (Red)
14. 72924-0 Mini-alligator clip with 2mm jack, (Black)
15. 72924-2 Mini-alligator clip with 2mm jack, (Red)

Large Folding Test Kit Pouch

## SMD High Density Circuit Test Kit



### Model# 72935

SMD test kit designed for probing high density circuits.

**Kit includes:** 2 DMM leads with 4mm plugs, 2 test probes with spring-loaded tips, 6 micro SMD grabbers (72902), 6 adapter leads 0.8mm female to 0.4mm jack, 2 mini SMD grabbers with 4mm connectors, 2 holding rods (72903).

**Micro SMD Grabber Test Clips Kit**



Model#	Includes
72902	12 clips, 12 leads, 6 rods

Kit of 12 Micro SMD Grabbers in 6 colors. Grabbers are designed for easy attachment to SMD chips with pitches down to 0.008in (0.20 mm). Thin yet durable design permits attachment with close spacing in tight areas. Insulated tip minimizes shorting on adjacent pins. Gold plating for low resistance connections. Kit also includes 6 holding rods to reinforce connection positions during side-by-side measurements (order Model# 72903). In addition, kit includes 12 micro leads with 0.8mm female / 0.8mm male connectors.

**Micro SMD Grabber Test Clips**



Model#	Color
72902-0	Singles - Black
72902-2	Singles - Red

Designed for easy attachment to SMD chips with pitches down to 0.008in (0.20 mm). Thin yet durable design permits attachment with close spacing in tight spaces. Insulated tip minimizes shorting on adjacent pins. Gold plating for low resistance connections. Holding rods available to reinforce connection positions during side-by-side measurements (order Pomona model number 72903). Order Pomona model number 72905-0 for clip lead for Micro SMD Grabber – 0.8mm female/4 mm female (black) or 72905-2 (red) for easy attachment to standard test leads. 72902 includes one black and one red clip. (Black).

**Holding Rods for Micro SMD Clips**



Model#	72903
Holding rods reinforce 72902 connection positions during side-by-side measurements. (10/pkg).	

**Clip lead for Micro SMD Grabber 0.8mm/2mm**



Model#	Color
72904-0	Black
72904-2	Red

Clip lead for easy attachment of Micro SMD Grabber to test leads with 2mm plugs. 0.8mm female/2 mm female.

**Clip lead for Micro SMD Grabber 0.8mm/4mm**



Model#	Color
72905-0	Black
72905-2	Red

Clip lead for easy attachment of Micro SMD Grabber (Pomona 72902) or Mini SMD Grabber (Pomona 72906) to standard test leads. 0.8mm female/4 mm female.

**Mini SMD Grabber Test Clips**



Model#	Color
72906-0	Black
72906-2	Red

Designed for easy attachment to SMD chips with pitches down to 0.032in (0.80 mm). Insulated shaft can be bent up to 36 degrees for versatile attachment in awkward locations or close proximity to other clips. Rotating jaws increase versatility in connection and stacking. Thin (3mm) profile allows close placement to adjacent clips. Compatible with leads with Ø0.8 mm female connectors. Order Pomona model number 72905-0 for clip lead for SMD Mini Grabber – 0.8mm female/4 mm female (black) or 72905-2 (red) for easy attachment to standard test leads.



**Mini SMD Grabber Test Clip with Lead and 2mm Jack**



Model#	Color
72907-20-0	Black
72907-20-2	Red

Mini SMD Grabber Test Clip (Pomona 72906) with 20 inch (50cm) lead and 2mm Jack.

**Mini SMD Grabber Test Clip with Lead and 4mm Jack**

Model#	Color
72929-20-0	Black
72929-20-2	Red

Mini SMD Grabber Test Clip (Pomona 72906) with 20 inch(50cm) lead and 4mm Jack for easy attachment to DMM leads.



**Do-it-yourself 2mm Stackable Safety Sheathed Plug**

Model#	Color
72925-0	Black
72925-2	Red

Rating: 600V Cat II 10A.



**SMD Test Probe with Sharp, Spring Mounted Tip**

Model#	Color
72923-0	Black
72923-2	Red

SMD test probe with sharp, spring mounted tip and 2mm jack. Provides ultra-fine control for probing high density SMD circuits. Very fine 0.03in (0.7mm) diameter stainless steel tip is spring-mounted for controlled pressure. Removable, clear IC insulator cap prevents shorting of adjacent IC loges. Sheathed 2mm receptacle adapts to 2mm test leads and adapters.

Rating: 600V Cat III, 1A.



**Mini-alligator Clip with 2mm Jack**

Model#	Color
72924-0	Black
72924-2	Red

Rating: 600V Cat II, 10A.

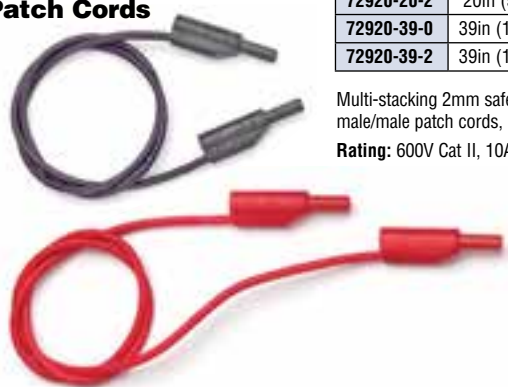


**Multi-stacking 2mm Safety Sheathed Patch Cords**

Model#	Length	Color
72920-20-0	20in (50cm)	Black
72920-20-2	20in (50cm)	Red
72920-39-0	39in (100cm)	Black
72920-39-2	39in (100cm)	Red

Multi-stacking 2mm safety sheathed male/male patch cords, PVC.

Rating: 600V Cat II, 10A Max.



**2mm Safety Sheathed Patch Cords**

Model#	Length	Color
72919-20-0	20in (50cm)	Black
72919-20-2	20in (50cm)	Red
72919-39-0	39in (100cm)	Black
72919-39-2	39in (100cm)	Red

2mm safety sheathed male/male patch cords, PVC.



**2mm/4mm Male-male Test Leads**

Model#	Length	Color
72936-0	3.9in (99.1mm)	Black
72936-2	3.9in (99.1mm)	Red



**4mm Safety Banana Jack to 2mm Banana Plug Adapter**



Model#	Color
72914-02	One Black and One Red
72914-0	Black
72914-2	Red

Accepts 4mm safety-sheathed banana plugs. 10/pkg.

Rating: 33 Vac/70 Vdc, 36A

**2mm Sheathed Jack to 2mm Unsheathed Plug Adapter**



Model#	Color
72915-0	Black
72915-2	Red

Accepts 2mm safety-sheathed banana plugs. 10/pkg.

Rating: 33 Vac/70 Vdc, 10A.

**4mm Banana Jack to 2mm Banana Jack Adapter**



Model#	Color
72916-0	Black
72916-2	Red

Accepts 2mm and 4mm safety-sheathed banana plugs. 10/pkg.

Rating: 33 Vac/70 Vdc, 10A.

**4mm Banana Plug to 2mm Sheathed Banana Jack Adapter**



Model#	Color
72917-0	Black
72917-2	Red

Accepts 2mm safety-sheathed banana plugs. 10/pkg.

Rating: 33 Vac/70 Vdc, 10A.

**2mm Safety Sheathed Jacks**



Model#	Color
72921-0	Black
72921-2	Red

2mm safety sheathed jack with 1.9mm wire wrap connecting pin.

Materials: Contacts: Nickel plated brass. Insulation: Polyamide.

Rating: 600V Cat II, 10A.

**2mm Safety Sheathed Jack with Solder Tab**



Model#	Color
72922-0	Black
72922-2	Red

Materials: Contacts: Nickel plated brass. Insulation: Polyamide.

Rating: 600V Cat II, 10A.

**Micro SMD Grabber® Test Clip for 0.05 to 0.01in (1.25 to 0.2 mm) Lead Pitch**



Model#	Profile Height	Lead Pitch	Tip	Qty	Colors
6442	0.28in (7mm) low	0.05 -0.01in (1.25 -0.3mm)	Long	10	10
6351	0.55in 14mm	0.03 -0.01in (0.85 -0.2mm)	Long	10	2
6352	0.55in 14mm	0.05 -0.01in (1.25 -0.3mm)	Long	10	2
6353	0.55in 14mm	0.05 -0.01in (1.25 -0.3mm)	Short	10	2

- Use with PQFP, SOIC, TSOP and SSOP packages with lead pitches down to 0.01 to 0.02in (0.2 to 0.5 mm).
- Thin body allows an unlimited number of clips to be stacked side by side.
- Maximum frequency is 100MHz.

Rating: For CE compliance and personal safety, do not hold in hand when voltages exceed 30 Vrms/42.4 Vpk/60 Vdc or current exceeds 8A maximum.

Maximum voltage for hands free use: 70 Vrms Max.

Supplied with female to male flying leads.

**Rotating Micrograbber® Test Clip with Two 0.025in (0.635mm) Square Pins**



Model#	Features
5790-*	Sold individually

Use when testing IC leads at 0.05in (1.25mm) pitch or in other tight situations. Pincers rotate for ease of access.

Overall Length: 2.12in (53.85mm)

Rating: 33 Vrms/70 Vdc

\*Std Colors: -0 Black, -2 Red.

**Micro SMD Grabber® Test Clip for 0.05 to 0.02in (1.25 to 0.5 mm) Lead Pitch**



Model# 6490-\*

- Use with PQFP & SOIC packages with 0.02in (0.5mm) lead pitch or greater.

- Pincers and 0.03in (0.76mm) pin plug are directly connected; no sliding parts.

- Pincers are stationary. Housing moves to close tips together.

- Device under test must be inactive when connecting pincers.

Rating: For CE compliance and personal safety, do not hold in hand when voltages exceed 30 Vrms/ 42.4 Vpk/60 Vdc or current exceeds 8A maximum.

Maximum voltage for hands free use: 70 Vrms Max.

\*Std Colors: -0 Black, -2 Red.

Pomona's oscilloscope probes give you the full range you need. Designed, rated, and specified to match the bandwidth of your instrument, they provide you with full voltage read-out over the entire rated bandwidth of each probe.



### Replacement Passive Oscilloscope Probes

These general purpose monolithic passive voltage probes feature high performance for greater test flexibility. Complete accessory kit included.

See selection guide below.

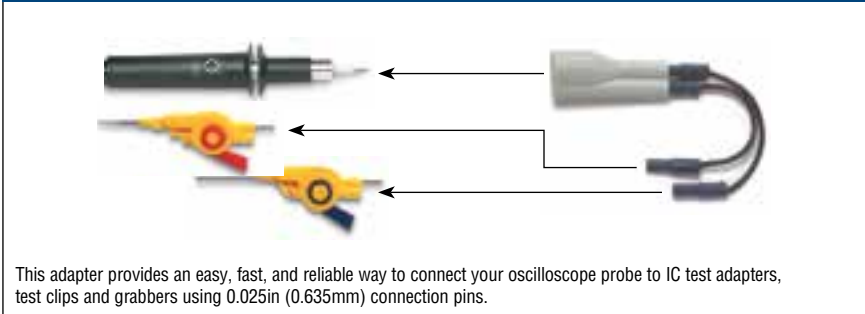
### Monolithic Passive Oscilloscope Probes

Model#	Probe Ratio	Maximum Input Voltage CAT I <sup>1</sup>	System Bandwidth MHz (-3 dB)	System Rise-time (ns)	Probe Input Resistance (M $\Omega$ )	Probe Input Capacitance (pF)	Compensation <sup>4</sup> Range (pF)	Readout Actuator <sup>5</sup>	Cable Length
4550B	1:1	300 <sup>2</sup>	Up to 15 <sup>3</sup> 100	< 23.33 <sup>3</sup> < 3.50	1	< 64 + O-Scope < 10.5	NA 10 - 60	No	4ft (1.2m)
	10:1	300							
5795A	10:1	300	100	< 3.50	10	< 9.5	10 - 60	No	4ft (1.2m)
5800A	1:1	300 <sup>2</sup>	Up to 30 <sup>3</sup> 200	< 11.66 <sup>3</sup> < 1.75	1	< 57 + O-Scope < 10	NA 10 - 60	No	4ft (1.2m)
5803A	10:1	300							
5806A	1:1	300 <sup>2</sup>	Up to 20 <sup>3</sup> 200	< 17.5 <sup>3</sup> < 1.75	1	< 77 + O-Scope < 11.5	NA 10 - 60	No	4ft (1.2m)
	10:1	300							
5809A	10:1	300	300	< 1.17	10	< 17	10 - 60	No	4ft (1.2m)
5812A	10:1	300	300	< 1.17	10	< 17	10 - 60	Yes	4ft (1.2m)
5827A	100: 1	300	200	< 1.75	10	< 5.5	15 - 50	No	6.6ft (2.0m)
6049A	10:1	300	150	< 2.33	10	< 10.5	10 - 30	No	4ft (1.2m)
6069A	10:1	300	250	< 1.40	10	< 10	10 - 30	No	4ft (1.2m)
6101A	10:1	300	150	< 2.33	10	< 10.5	10 - 30	Yes	4ft (1.2m)
6102A	10:1	300	250	< 1.40	10	< 10	10 - 30	Yes	4ft (1.2m)
	10:1	300							
6265	10:1	300	60	< 5.83	10	< 10.5	10 - 60	No	4ft (1.2m)
6266	1:1	300 <sup>2</sup>	Up to 20 <sup>3</sup> 60	< 17.5 <sup>3</sup> < 5.83	1	< 65 + O-Scope < 11	NA 10 - 60	No	4ft (1.2m)
	10:1	300							
SP150B	1:1	300 <sup>2</sup>	Up to 15 <sup>3</sup> 150	< 23.33 <sup>3</sup> < 3.33	1	< 50+ O-Scope < 15	NA 10 - 60	No	4ft (1.2m)
	10:1	300							

#### Replacement Accessory Kit: 6267

- Kit includes:**  
 Retractable Hook Tip  
 BNC Adapter  
 IC Adapter  
 Insulating Tip  
 Trimmer Tool  
 6in (0.15m) Ground Lead with Alligator Clip

#### Oscilloscope Probe Tip Adapter Model# 6443



#### Pomona adapters with 0.025in (0.635mm) pins

- |      |      |                     |
|------|------|---------------------|
| 5360 | 6353 | All "IC" test clips |
| 5790 | 6490 |                     |
| 6351 | 6442 |                     |
| 6352 |      |                     |



1 **Rating:** All probes are rated 300V (DC + Peak AC), CAT I, per IEC1010-031. Maximum voltage allowed on the LO connection including shell and housing must not exceed 30V.  
 2 Maximum input voltages are dependent on the oscilloscope input characteristics; take the lesser of the two specifications.

3 Dependent upon oscilloscope input characteristics.  
 4 Any oscilloscope that uses the Tektronix® style range actuator.  
 5 For oscilloscopes with 1 M $\Omega$  input resistance.



**Modular Passive Oscilloscope Probes**



Featuring a new, compact, ergonomically designed probe handle, these modular general purpose passive voltage probes are ideal for use with a wide variety of oscilloscopes. They also feature a spring-loaded, pogo-pin replaceable tip. The fine tip probes are perfectly suited for probing high-density chip leads with less than 0.060in (1.52mm) spacing. Modular in design, the probe handle is capable of receiving a variety of spring-loaded and fixed tips, providing greater testing versatility. An affordable, versatile probe for many uses.

Probe sets includes the probe, BNC adapter, ground blade, 8.7in (22cm) ground lead, IC tip adapters with 0.8mm to 1.27mm pitch, insulating tip, protection cap, solid tip, spring tip, sprung hook, trimmer tool, 2 footer positioner, and complete set of instructions and specifications.

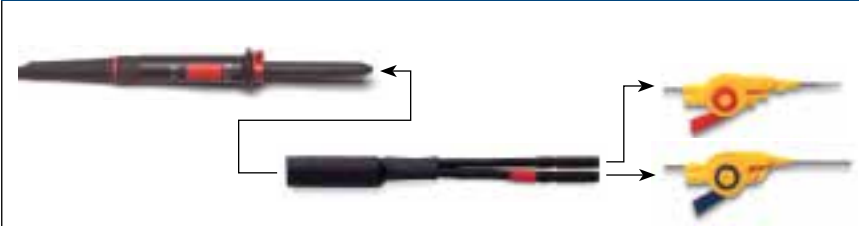


Model#	Probe Ratio	Maximum Input Voltage CAT II <sup>1</sup>	Recommended Scope Bandwidth MHz	Bandwidth MHz (-3dB) (Probe) (System)	System Rise-time (ns)	Probe Input Resistance (MΩ)	Probe Input Capacitance (pF)	Compensation Range (pF)	Readout Actuator <sup>2</sup>	Cable Length	
6491	1:1	55 V	60	30	-	< 12	1	< 39.5	-	4ft (1.2m)	
6493	10:1	300 V	60	150	-	< 2.4	10	< 12.5	No	4ft (1.2m)	
6494	10:1	300 V	60	150	-	< 2.4	10	< 12.5	Yes	4ft (1.2m)	
6495	10:1	300 V	100	250	-	< 1.4	10	< 12.5	No	4ft (1.2m)	
6496	10:1	300 V	350	-	350	< 1	10	< 14.5	No	4ft (1.2m)	
6497	10:1	300 V	350	-	350	< 1	10	< 14.5	Yes	4ft (1.2m)	
6498	100:1	1000 V	500	-	400	< 0.9	50	< 7.5	No	6.6ft (2m)	
6499	1:1 10:1	55 V 300 V	60	20 150	- -	< 18 < 2.4	1 10	< 78 < 13	- 15 - 40	No	4ft (1.2m)
6500	1:1 10:1	55 V 300 V	100	30 250	- -	< 12 < 1.4	1 10	< 80 < 13	NA 10 - 35	No	4ft (1.2m)

**Replacement Accessory Kit: 73040**

- Kit includes:**  
 Retractable Hook Tip  
 BNC Adapter  
 Insulating Tip  
 Trimmer Tool  
 8.7in (22cm) Ground Lead with Alligator Clip  
 1 ea. Rigid Probe Tip  
 1 ea. Spring Probe Tip

**Oscilloscope Probe Tip Adapter Model# 6553**



This adapter provides an easy, fast, and reliable way to connect your oscilloscope probe to IC test adapters, test clips and grabbers using 0.025in (0.635mm) connection pins.

**Pomona adapters with 0.025in (0.635mm) pins**

- 5360 6353 All "IC" test clips  
 5790 6490  
 6351 6442  
 6352



1 **Rating:** Per IEC61010-031. Maximum voltage allowed on the low or ground connection including shell and housing must not exceed 30V.

2 Any oscilloscope that uses the Tektronix® style range actuator

**Microline Passive Oscilloscope Probes**



Tips can be replaced with Pomona 0.60in (1.52mm) probe tips model number 6475, see page 66.

500 MHz X10 Passive Voltage Probe 4ft (1.2m) cable, 500V peak.

The perfect solution for accessing hard-to-reach test points, particularly fine pitch IC leads. The Microline Probe features a 500 MHz X10 passive voltage probe compactly designed for on-the-go field service or in the lab.

**Pomona adapters with 0.025in (0.635mm) pins**

5360	6352	6442
5790	6353	All "IC" test clips
6351	6490	



**Replacement Accessory Kit: 73040**

**Kit includes:**

- Retractable Hook Tip
- BNC Adapter
- Insulating Tip
- Trimmer Tool
- 8.7in (22cm) Ground Lead with Alligator Clip
- 1 ea. Rigid Probe Tip
- 1 ea. Spring Probe Tip

**Oscilloscope Probe Tip Adapter Model# 6553**

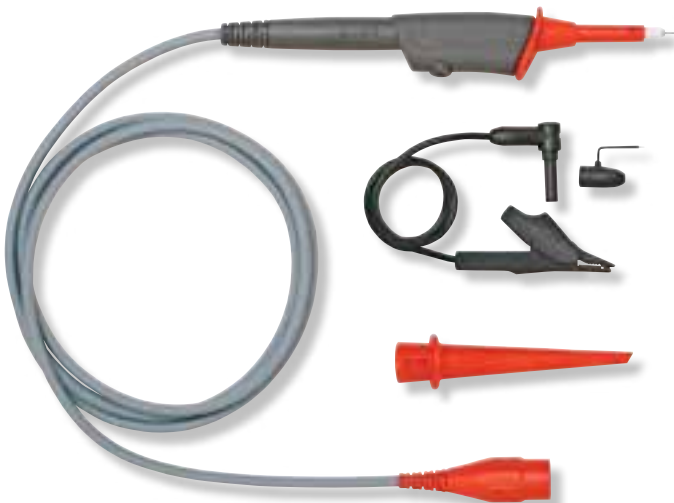


This adapter provides an easy, fast, and reliable way to connect your oscilloscope probe to IC test adapters, test clips and grabbers using 0.025in (0.635mm) connection pins.

Model#	Probe Ratio	Maximum Input Voltage CAT 1 <sup>1</sup>	Recommended Scope Bandwidth MHz	System Bandwidth MHz (-3dB)	System Risettime (ns)	Probe Input Resistance (MΩ)	Probe Input Capacitance (pF)	Compensation Range (pF)	Readout Actuator <sup>2</sup>	Cable Length
6551	10: 1	300 V	500	500	< 0.7	10	< 11	10 - 20	Yes	4ft (1.2m)
6554	10: 1	300 V	500	500	< 0.7	10	< 11	10 - 20	No	4ft (1.2m)

<sup>1</sup> Rating: Per IEC61010-031. Maximum voltage allowed on the low or ground connection including shell and housing must not exceed 30V.  
<sup>2</sup> Any oscilloscope that uses the Tektronix® style range actuator

**Insulated Oscilloscope Probes for Portable Applications**



**Features**

- With a CAT II, 600 V (CAT III, 300 V) rating, these probes are perfect for use with portable oscilloscopes.
- And with a 500 MHz bandwidth, these probes provide plenty of headroom for those high frequency measurements.
- Fully Insulated.
- Meets IEC 61010-031.
- Ergonomic Design with Comfort Grip.

**Accessories Included**

- Push-On Hook Clip.
- Push-On Reference Contact.
- Reference lead with alligator clip for the connection to the 0.2 mm safety socket in the handle.

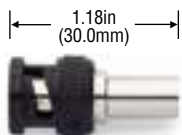
Model#	Probe Ratio	Maximum Input Voltage CAT II <sup>1</sup>	Bandwidth (MHz)	Input Resistance (MΩ)	Input Capacitance (pF)	Approximate Risettime (ns)	Compensation Range (pF)	Cable Length
72940-*	10: 1	600 V	500	10	13	1	10 - 30	4ft (1.2m)
72941 (set)	10: 1	600 V	500	10	13	1	10 - 30	4ft (1.2m)
72942	See page 60							

<sup>1</sup> Derated with frequency.  
<sup>2</sup> For oscilloscopes with 1MΩ input resistance.  
 \*Standard Colors: -2 Red, -8 Gray

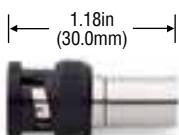
# Audio/Video/Broadcast

Whether setting up your own home theater or looking for connectors for that next broadcast event, Pomona audio/video/broadcast accessories get you connected reliably. From F connectors to phono jacks, look to Pomona for parts you can depend on.

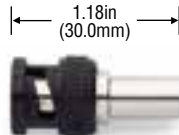
## High Definition 75 BNC Connectors



6702A



6703A



6704A

Model#	For Cable
6702A	RG59B/U, 20 AWG, Belden 1505A
6703A	RG6B/U, 18 AWG, Belden 1694A
6704A	RG59B/U, 23 AWG

Precision matched to Belden cable for digital and analog SDI/HDTV signals.

**Performance:** 3 GHz with VSWR of 1.15

**Impedance:** 75Ω.

**BNC:** *Shell:* precision machined tarnish resistant black nickel-plated brass; *Center Contact:* male: gold-plated brass (20 micro inches).

**Dielectric:** PTFE.

## XLR Straight Cable Connectors — General Duty



5125A



5126A

Model#	Type	Pins	Shell	Contacts	Lbs of Pull
5125A	(f)	5	Nickel	Silver	45
5126A	(m)	5	Nickel	Silver	45
6850	(f)	3	Black Nickel	Gold	45
6851	(m)	3	Black Nickel	Gold	45
7283	(m)	3	Nickel	Silver	45
7284	(f)	3	Nickel	Silver	45

Streamlined profile with compact shell. Time saving assembly (3 parts). No set screws. Solderable.

## XLR Plug to XLR Jack Low Noise Cable Assembly



Model#	Length
6869-180	4.6 m (15 ft)
6869-300	7.6 m (25 ft)

Low noise audio cable includes a 3-pin XLR male connector and a 3 contact XLR female connector.

**Pull:** 45.35 kg (100 lbs).

**Material:** *Shell:* tarnish resistant black nickel-plated brass; *Center Contact:* gold-plated brass.

## XLR (F) 3-Pin Square Flanged Panel Receptacle

7115

3-pin XLR square panel mount female receptacle with sturdy all metal one piece design. Housing is die-cast zinc alloy with tarnish resistant black nickel plating and gold-plated contacts. Solder cup terminations. Front mountable.



## XLR/RCA Adapters



7269



7270



7271



7272

Model#	Type
7269	XLR (f)/RCA (m)
7270	XLR (m)/RCA (m)
7271	XLR (f)/RCA (f)
7272	XLR (m)/RCA (f)

Audio adapters offer 3 contact XLR to RCA (phono) conversion. Body is die cast zinc alloy with tarnish resistant nickel plating. Contacts are nickel-plated brass.

## XLR Female Panel Receptacle, 3-Pin

5113A

3-pin XLR rectangular panel mount receptacle with sturdy all metal one piece design. Housing is die-cast zinc alloy with tarnish resistant nickel plating. Solder cup terminations. Front mountable.



**XLR Adapters**



Model#	Type
6856	XLR (F)/XLR (F)
6857	XLR (M)/XLR (M)

Body is die cast zinc alloy with tarnish resistant nickel plating. Male pin contacts are nickel-plated brass. Female contacts are nickel-plated beryllium copper.

**XLR Male Panel Receptacle, 3-Pin**



5117A

3-pin XLR rectangular panel mount male receptacle with sturdy all metal one piece design. Housing is die-cast zinc alloy with tarnish resistant nickel plating. Solder cup terminations. Front mountable.

**XLR to 1/4 in Adapters**



Model#	Type
6863	XLR (F) / 1/4 in Plug (stereo)
6864	XLR (M)/1/4 in Plug (stereo)

Adapters offers 3 contact XLR to 1/4 inch conversion. Sleek light weight design. XLR body is die cast zinc alloy with tarnish resistant nickel-plating. 1/4 inch plugs are nickel-plated machined brass. XLR contacts are nickel-plated brass.

**XLR Female Panel Receptacle, 5-Pin**



6854

5-pin XLR rectangular panel mount receptacle with sturdy all metal one piece design. Housing is die-cast zinc alloy with tarnish resistant nickel plating. Solder cup terminations. Front mountable.

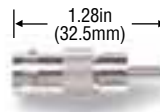
**XLR (M) Panel Receptacle, 5-Pin**



6855

5-pin XLR rectangular panel mount male receptacle with sturdy all metal one piece design. Housing is die-cast zinc alloy with tarnish resistant nickel plating. Solder cup terminations. Front mountable.

**BNC Female to Phono (RCA) Male**



Model# 5319

**Rating:** Maximum voltage for *hands free use*: 500 Vrms, 216°F (+102°C) max.

**BNC:** Center Contact: gold-plated.

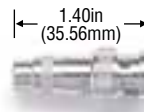
**XLR Female, 4-Pin, Rectangular Flanged Panel Mount**



7107

4-pin XLR rectangular panel mount receptacle with sturdy all metal one piece design. Housing is die-cast zinc alloy with tarnish resistant nickel plating. Solder cup terminations. Front mountable.

**BNC Male to Phono Jack**



Model# 4054

**Rating:** Maximum voltage for *hands free use*: 500 Vrms, +257°F (+125°C) max.

**XLR Female 3-Pin, Rectangular Flanged Panel Mount**

7108

3-pin XLR rectangular panel mount receptacle with sturdy all metal one piece design. Housing is die-cast zinc alloy with tarnish resistant black nickel plating. Solder cup terminations. Front mountable.



**BNC Female to 1/4in (6.35mm) Phone Plug**

Model# 1297

**Rating:** Maximum voltage for *hands free use:* 500 Vrms, +257°F (+125°C) max.

Convert 2 conductor audio jacks to BNC.



**1/4 in, PC Board Mount Phone Jacks**

Model#	Type
7158	PC board mount, 3-conductor
7159	PC board mount, 2-conductor
7160	PC board mount, 3-conductor

PC board mounts for connection with standard commercial phone plugs. Solderable with nickel silver contacts.



7158



7160



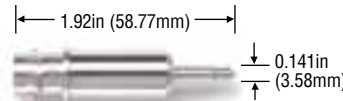
7159

**BNC Female to Two Conductor, 0.14in (3.5mm) Dia. Mini Phone Plug**

Model# 3837

**Rating:** Maximum voltage for *hands free use:* 500 Vrms, +257°F (+125°C) max.

Convert 2 conductor audio jacks to BNC.



**1/4 in, Panel Mount Phone Jacks**

Model#	Type
7156	2-conductor
7157	3-conductor

Designed for insulated panel mount with low internal contact resistance. Body is diecast zinc alloy with tarnish resistant nickel plating. Hardware includes one copper alloy nickel-plated hex nut, and one steel nickel-plated washer.



7156



7157

**Right-Angle and Straight 1/4 in. Standard Phone Plugs**



6874

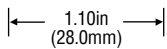


7152

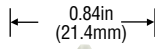
Model#	Description	Shell	Contacts	Lbs of Pull
6873	1/4 in. Phone Plug, 2 Pole	Black Nickel	Gold	45
6874	1/4 in. Phone Plug, 3 Pole	Black Nickel	Gold	45
7142	Straight 3-Conductor Balanced 1/4 in. Std. Phone Plug (Stereo)	Nickel	Nickel	45
7150	Shielded 2-Conductor 1/4 in. Phone Plug, Long Handle	Nickel	Nickel	45
7151	Right-Angle 2-Conductor 1/4 in. Plug (Mono)	Nickel	Nickel	45
7152	Shielded 3-Conductor Balanced 1/4 in. Phone Plug (Stereo)	Nickel	Nickel	45

**F Adapters and PCB Mount Connector**

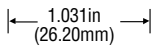
Model#	Description
6801	F (M/F) In-Line adapter
6802	F (F/F) Bulkhead adapter
6803	F (F) PCB mount connector



6801



6802



6803

**Material:** These 75 Ω connectors are designed for fast installation with no crimping. Connectors are precision machined brass with nickel plating and gold plated center contacts.

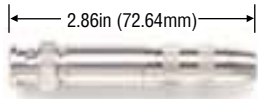
\*see rating message at start of section.

**BNC Male to 1/4in (6.35mm) Two Conductor Phone Jack**

Model# 4043

**Rating:** Maximum voltage for *hands free use*: 500 Vrms, +257°F (+125°C) max.

Convert 2 conductor phone plugs to BNC.



**1/4 in Plug/RCA Jack**

6878

Two pole mono-to-mono adapters in easy-to-use configurations. Contacts are nickel-plated brass.



**F Female to Female Bulkhead Receptacle**

Model# 6706

In line, with nut and washer

**Material:** Machined, nickel-plated brass.



**RCA (phono) Jack**

6880

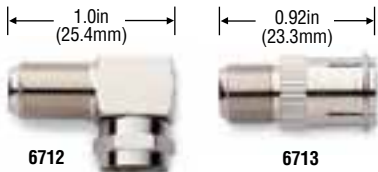
Sleek silver and gold compact design. Handles up to 6.0 mm (0.24 in) O.D. cable. Body is made of die cast zinc alloy with tarnish resistant nickel-plating. Contacts are gold-plated brass.



**F Within Series Adapters**

Model#	Type
6712	F (m/f) Right angle
6713	F (m/f) In line, Push-on

**Material:** Machined, nickel-plated brass



**RCA (phono) Plug**

6881

Sleek silver and gold compact design. Handles up to 6.0 mm (0.24 in) O.D. cable. Body is made of die cast zinc alloy with tarnish resistant nickel-plating. Contacts are gold-plated brass.

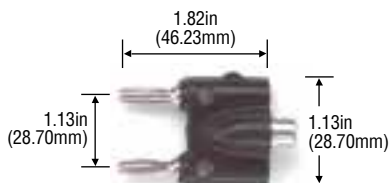


**Phono Jack to Double Stacking Banana Plug**

Model# 1442

**Rating:** Maximum voltage for *hands free use*: 500 Vdc, +122°F (+50°C) max.

Permits phono plug to be used with equipment having standard banana jacks or binding posts.



**RCA (phono) Adapter (F/M/F)**

6882

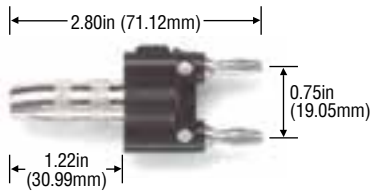
One plug and two jack configuration with compact design. Contacts are gold-plated brass for low contact resistance.



**1/4in (6.35mm) Phone Jack to Double Stacking Banana Plug**

**Model# 4044**

**Rating:** Maximum voltage for *hands free use*: 500 Vrms, +122°F (+50°C) max.  
2 conductor 0.25in (6.35mm) dia. phone jack.



**1/4 in Jack/RCA Plug**

**6879**

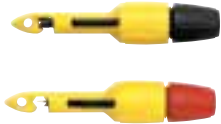
Two pole mono-to-mono adapters in easy-to-use configurations. Contacts are nickel-plated brass.



\*see rating message at start of section.

Offering a variety of test accessories designed specifically for the automotive environment, Pomona simplifies automotive diagnostics. Pomona automotive accessories give you access to wiring or cables in congested engine compartments, under-dash wiring harnesses, and other generally hard-to-reach places.

## Insulation Piercing Clip Sets



6405

Model#	Features	Colors
6405	Attach to test leads	Set of red/black
6413	Attach to 0.080in (2.03mm) Probe tip	Set of red/black

- Double V block centers wire.
- 6405, 6413: set of 2, (red and black jacks).
- Bright yellow for easy location.
- Attach to test leads.

## Rigid Backprobe Pin



Model# 6262-02

- Sharp point to pierce insulation or weather boot up to 2in (50.8mm) deep.
- For low voltage use < 30V.
- Set of 2 (red + black).
- Fits comfort-grip style and modular probes 6232A and 6479.

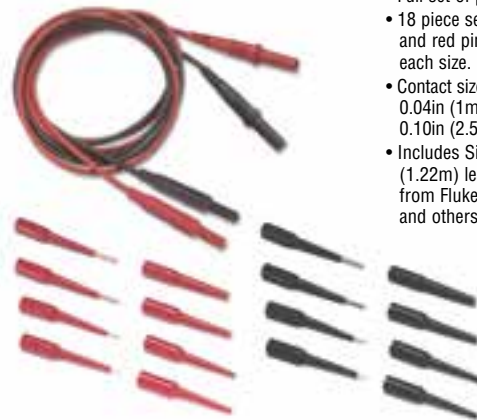
## Insulation Piercing Maxigrabber® Test Clip Set



Model# 5913

- Insulated probe for hard to reach test points.
- Set of 2, red and black.

## Test Connector Adapter Set



Model# 6481

- Full set of pin and socket adapters
- 18 piece set includes one black and red pin and socket of each size.
- Contact sizes: 0.03in (0.75mm), 0.04in (1mm), 0.06in (1.5mm), 0.10in (2.5mm).
- Includes Silicone insulated 4ft (1.22m) leads to fit most DMMs from Fluke, Amprobe, Greenlee and others.

## Test Lead Rack



Model# 4408M

- Magnetic, attach to tool box or other steel cabinet.
- Neat storage for leads.
- Easy access.

## Coaxial Lead Set Lead Set



Model# 6534

- Complete set of coaxial leads.
- Molded strain relief.
- Seven piece set from 1 to 10ft (0.3 to 3.05m).
- Standard BNC connectors fit oscilloscopes and other instruments.

## Basic Backprobe Pins



Model# 6411

- Make connection to terminals inside connectors up to 1in (25.40mm) deep.
- For low voltage use < 30V.
- Pkg of 10.

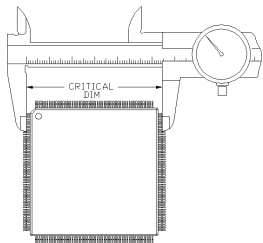


# IC Test Clips and Adapters

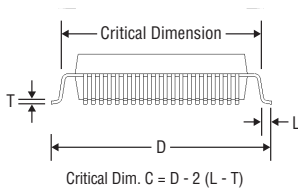
Innovative solutions. Pomona Electronics' IC Test Clips – designed for your chip. Uniquely designed for testing surface mount devices – easily, securely and successfully. Low-profile fine-pitch chips, densely populated boards, or vertical boards, POMONA test clips connect you with confidence.



## How to Measure or Calculate the Critical Dimension for Your QFP Test Clip

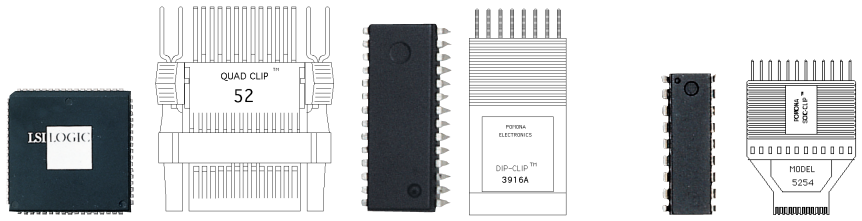


Measure Critical Dimension with calipers parallel to the plane of the PCB



## Test Clip Selection Made Easy

To select the Pomona IC Test Clip specifically designed for your chip, find the table for your chip type and follow the selection procedure outlined in this section.



### PLCC

To find your PLCC Quad Clip® test adapter, see PLCC table on page 89 and reference the following characteristics of your target chip:

1. Number Of Leads
2. Body Size

### DIP

To find your DIP test clip, see DIP table on page 90 and reference the following characteristics of your target chip:

1. Number Of Leads
2. Test Clip Contact Style (see Fig. 1 & 2, page 90)

### SOIC/SOJ

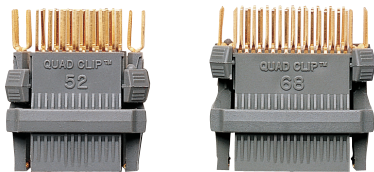
To find your SOIC Clip® test clip, see SOIC/SOJ table on page 90 and reference the following characteristics of your target chip:

1. Number Of Leads
2. Confirm Body Width Compatibility
3. For Lower and Top Test Clip Width (see Fig. 1, 2 & 3, page 90)

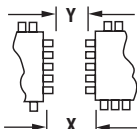
Pomona offers a wide variety of Micro-SMD Grabber® Test Clips for use in testing fine pitch PQFP devices. See SMD/Micro Format Test section for complete selection.



## PLCC Test Clips



	X Min.	Y Min.
Single Testing	0.120in (3.1mm)	0.110in (2.8mm)
Adjacent Testing	0.325 (8.3mm)	0.285 (7.2mm)



Pomona's low-cost Quad Clip® test clips quickly lock onto J-leaded PLCCs, providing easy access for testing surface-mounted devices. PLCC test clips attach to PLCC chips with a sliding cam that clamps onto the chip body. Access to chip leads is provided by 0.025in (0.635mm) pins at 0.100in (2.54mm) spacing. Pomona offers a Quad Clip® test clip to fit all currently available PLCC chip sizes.

Lead Pitch: 0.050in (1.27mm)

Model#	No. Leads	Lead Pattern	Body Size	Typical Applications
5279	20	5 X 5	0.36in X 0.36in (9.14mm x 9.14mm)	Intel 85C220
5280	28	7 X 7	0.46in X 0.46in (11.68mm x 11.68mm)	Intel 5C60, 85C224, Philips 8XC751, Raytheon TMC1173
5733	32	7 X 9	0.46in X 0.56in (11.68mm x 14.22mm)	AMD 29F040, Xicor X28TC256, Cypress CY7B991
5281	44	11 X 11	0.63in X 0.63in (16.00mm x 16.00mm)	AMD MACH110, 80C88, Siemens SAB-C501
5312	52	13 X 13	0.75in X 0.75in (19.05mm x 19.05mm)	Intel 87C196, 87C196, Motorola 68008
5401	68	17 X 17	0.95in X 0.95in (24.13mm x 24.13mm)	Intel 80C188, AMD MACH220, Hitachi H8/330
5402	84	21 X 21	1.15in X 1.15in (29.21mm x 29.21mm)	AMD MACH130, Altera EPF8452, Cirrus Logic CL16005
5515A	20-84	-	-	PLCC Clip Kit containing 1 of each size PLCC Clip

**DIP Test Clips**



Fig. 1



Fig. 2

Model#	No. Leads	Chip Width	Contact Style	Contact Material	Typical Applications	Fig.
5108	8	0.3in (7.62mm)	Closed	Gold Plate	-	1
5208	8	0.3in (7.62mm)	Open	Gold Plate	-	2
5014	14	0.3in (7.62mm)	Closed	Nickel Silver	-	1
5114	14	0.3in (7.62mm)	Open	Nickel Silver	-	2
3916A	16	0.3in (7.62mm)	Closed	Nickel Silver	Analog Devices AD7715	1
5220	20	0.3in (7.62mm)	Open	Gold Plate	-	2

Pomona DIP Test Clips provide fast, reliable and secure connections to socketed and through-hole DIP chips. Available in two styles, DIP Test Clips give you the option of full coverage of clip contacts for maximum durability or open contacts at the board level for easier access to chip leads.

**Fig. 1:** Spring-actuated clip features gold-plated beryllium copper or spring-tempered nickel silver pins to assure positive contact in a firm wiping action for hands-free testing.

**Fig. 2:** Clip features same construction as Figure 1 except for an opening on the outside of the contact housing to permit probing while the clip is attached to the DIP.

**SOIC/SOJ Test Clips**

SOIC Clip® test clips feature a narrow-profile design that makes testing SOIC and SOJ chips on densely-populated boards easier and safer.



Fig. 1



Fig. 2



Fig. 3

**Fig. 1:** Spring-loaded SOIC Clip® attaches to target chip and holds on with spring pressure against the chip body. Contacts on top of the clip are 0.025in (0.635mm) pins at 0.10in (2.54mm) spacing. Designed to attach to surface-mounted chips with either gull wing or "J" leads.

**Fig. 2:** This 14-pin clip features a slider that presses the contact housings against the chip and provides a more secure connection on surface mounted chips with gull wing or "J" leads. Compact design is ideal for testing on densely-populated boards.

**Fig. 3:** New 32-, 40- and 44-pin SOIC/SOJ test clip is a new design of the spring-loaded clip that features double-row .025 wire wrap pins for easy connection to ribbon cable. This clip will fit all SOIC/SOJ chips between 0.30in (7.62mm) and 0.60in (15.24mm) width.

Lead Pitch: 0.050in (1.27mm).

Model#	No. Leads	Lower Width (A)	Body Widths	Top Width (B)	Typical Applications	Fig.
5250	8	0.26in (6.60mm)	0.15in to 0.3in (3.81mm to 7.62mm)	0.430in (10.92mm)	Analog Devices AD834JR, Triquint TQ9122N	1
5251	14	0.410 (10.41mm)	0.15in to 0.3in (3.81mm to 7.62mm)	0.755in (19.18mm)	Motorola HCT08A, Philips 74HC125	1
5252	16	0.460 (11.68mm)	0.15in to 0.3in (3.81mm to 7.62mm)	0.830in (21.08mm)	Maxim MAX791, Microlinear ML6509, AMD 26LS31	1
5253	20	0.560 (14.22mm)	0.15in to 0.3in (3.81mm to 7.62mm)	1.030in (26.16mm)	Linear Tech. LT1130, Maxim MX7226, Motorola HCT373A	1
5254	24	0.660 (16.76mm)	0.15in to 0.3in (3.81mm to 7.62mm)	1.230in (31.24mm)	Altera EP610APC, Linear Tech. LT1130, Motorola MC22V10S	1
5437	28	0.760 (19.30mm)	0.15in to 0.3in (3.81mm to 7.62mm)	1.430in (36.32mm)	Texas Inst. SN74F32D, Altera EPM5032, Raytheon TMC1171	1
6107	32	0.870 (22.10mm)	0.30in to 0.60in (7.62mm to 15.24mm)	0.870in (22.10mm)	Toshiba TMPN3120, Hitachi HM628128, NEC D431000AGW	3
6108	40	1.070 (27.18mm)	0.30in to 0.60in (7.62mm to 15.24mm)	1.070in (27.18mm)	-	3
6109	44	1.170 (29.72mm)	0.30in to 0.60in (7.62mm to 15.24mm)	1.170in (29.72mm)	-	3
5514	-	-	-	-	SOIC Clip® Test Kit contains 1 each 8 - 28 pin clips	

# Static Control Products

Working with static sensitive devices? Pomona enables you to work with confidence when using our static control accessories. Whether you choose to purchase our selection of grounding systems or build your own ESD set-up, Pomona gives you a variety of individual accessories. Our accessories also make a perfect addition to our Test Companion Kits.

## Large Service Kit

Model# 6088



Provides a larger working area than Model 6087. This kit provides a static-safe 24in x 24in (609.6mm x 609.6mm) laminated red vinyl mat. The mat includes a 10mm snap socket and two 8in x 11in (203.2mm x 279.4mm) pockets. Carry those often used tools right with the mat. A common point ground connector with two Banana Plug Jacks and a 15ft (4.5m) ground lead. An adjustable elastic wrist strap and a resistive coil cord complete the kit. Folds down to fit into your tool box.

## Adjustable Elastic Wrist Strap Kit

Model# 6082



A complete wrist strap kit features adjustable elastic wrist strap. Also included: Resistive Coil Cord (1M $\Omega$  resistor molded in) extendable to 6ft (1.8m) with a Straight Banana Plug and Alligator Clip.

## Field Service Kit

Model# 6087



A complete and durable service kit for static sensitive work. Features a static-safe 18in x 22in (460mm x 558.8mm) laminated red vinyl mat. The kit includes a mat with two 0.39in (10mm) snap sockets, common point ground connector with two Banana Plug Jacks and a 15ft (4.5m) ground lead, an adjustable elastic wrist strap and a resistive coil cord. Folds down to fit into your tool kit.

Model# 6088 and 6087

**Mat Color:** Red.  
**Thickness:** 0.018in (0.46mm).  
**Surface Resistivity:** 108 to 109 $\Omega$  / Sq.  
**Volume Resistivity:** 109 $\Omega$  cm.  
**Static Decay:** 0.01sec 5000V to 0V 12%RH.

## Wrist Strap Tester

Model# 6086



Test any wrist strap connected to utility ground with a simple touch. The tester has two Banana Plug Sockets for Wrist Strap cord attachments. Once connected, the user simply touches the unit and a green light and audible sound indicate a proper ground. (Audible indicator has selectable on or off).

The tester can be mounted near your work area with Velcro® strips (supplied) or, using an integral button 10mm snap stud, attached directly to your static-safe work mat. Powered by a 120 VAC wall adapter (supplied), the tester has a "Power on" indicator. It is practical for both a quick test or as a continuous ground point connection. UL listed.

Touch Type On-Demand Tester and Common Point Ground.

## Adjustable Metal Wrist Strap Kit

Model# 6084



Complete wrist strap kit features the adjustable metal wrist strap. Also included: Resistive Coil Cord (1M $\Omega$  resistor molded in) extendable to 6ft (1.8m) with a Straight Banana Plug and Alligator Clip.

## Wrist Straps



Model#		Circumference – Min.
6083	Adjustable	5.5in (139mm) 13in (330.2mm)
5529	Medium Expand	6.5in (165mm) 12in (304mm)

Made of non-allergenic stainless steel, each link has a 0.08in (2mm) PVF film laminated on top for electrical insulation. Quick and easy adjustment without tools, the wrist strap will fit most users. A standard 0.16in (4mm) snap stud allows attachment to resistive coil cords.

**Material:** Band: Stainless steel / PVF Insulation.

**Cover:** Thermoplastic.

**Wrist Circumference:** 5.5in to 13.0in (139.7mm x 330.2mm).

**Width:** 0.63in (16.0mm).

**Ring Terminal**

**Model# 5531**

Attach this terminal to table or cabinet to create a banana jack for grounding wrist strap. Screw hole accepts up to #10 screw.



**Adjustable Elastic Wrist Strap**

**Model# 6081**

An adjustable, one size fits all, wrist strap. The wristband features a dual stainless steel cam that securely locks the plastic band, but allows easy adjustment without tools. The washable fabric band has silver impregnated nylon threads knitted into its inner surfaces. Only non-allergenic stainless steel and silver touch the skin. Standard 4mm snap stud allows attachment to resistive coil cords (Pomona models 5534 and 6085). Wrist circumference: 2.5in (64mm) to 13in (330mm).(183cm).



**Stacking Snap Banana Jack**

**Model# 5532**

Attach this jack to either banana snap stud (male) or banana snap socket (female). It allows multiple attachment to the same grounding point. Snap is 3/8in (9.52mm).

**Material:** High conductivity copper with tin plated finish.



**Antistatic Ground Cord**

**Model# 5534**

This patch cord features a molded-in 1 Megohm resistor at the snap end. The 5534 has a straight banana plug. Nominal extended length is 72in (183cm).



# Telecom Products

Accuracy and repeatability – Pomona connects to the telecom industry with an impressive selection of test accessories. Ideal for network testing, troubleshooting, leave-in-the-line patching, or system prototyping, Pomona Electronics' traditional reliability adds up to the quality connection telecom professionals demand.

## Universal DSX-3 Test Kit



**Model# 6568**

- Ideal for OSP/CO technicians.
- Kit reduces the need for multiple cables to service and test DSX-3 panels.
- Adapters quickly convert BNC cables to Mini or Standard WECO interfaces.
- Cables are color coded blue (transmit) and red (receive) for ease of testing.
- Strain reliefs are molded directly to the cable and BNC plugs for added pull strength.
- Test Companion pouch allows for convenient accessory storage.

**Kit includes:**

- One blue BNC Male Cable Assembly
- One red BNC Male Cable Assembly
- Four Standard WECO to BNC Adapters
- Four Mini-WECO to BNC Adapters
- Test Companion Shoulder Pack

## True 75Ω BNC Male Cable



Model#	Length
6510-V-12-0	12in (0.3m)
6510-V-24-0	24in (0.6m)
6510-V-36-0	36in (0.9m)
6510-V-48-0	48in (1.2m)
6510-V-60-0	60in(1.5m)
6510-V-72-0	72in (1.8m)

BNC connectors are perfectly matched to 75Ω impedance for superior VSWR and return loss performance.

Ideal for digital video and telecommunication applications.

**Cable Type:** High Flex, Multi-strand center conductor, RG59 Type, Black.

## True 75Ω BNC Cable (Transmit/Receive)



Model#	Length	Color
6510-V-72-2	72in (1.8m)	Red
6510-V-72-6	72in (1.8m)	Blue

Cable and Strain Relief are color coded red and blue for easy identification of transmit and receive lines.

**Cable Type:** High Flex, Multi-strand center conductor, RG59 Type.

## BNC Male to Bantam Plug Cable



Model#	Length
6517-96	96in (2.4m)

**Cable Type:** RG59 Type.  
**Bantam:** Nickel-plated brass.

**BNC Female to WE309/  
WE310 Plug Adapters**



Model#	Plug Type
2798	WE310
1794	WE309

**Rating:** Maximum voltage for *hands free use*: 500V Peak, +122°F (+50°) max.

**BNC Female to Bantam  
Plug Adapters**



Model#	4719
Rating: Maximum voltage for <i>hands free use</i> : 500V Peak, +122°F (+50°) max.	
Convert Bantam style jacks to BNC.	

**Rating:** Maximum voltage for *hands free use*: 500V Peak, +122°F (+50°) max.

Convert Bantam style jacks to BNC.

**75Ω BNC Male to Mini-WECO  
(440) Connector Cable**



Model#	Length
6515-96	96in (2.4m)

**Cable Type:** RG59 Type.

**75Ω BNC Male to Standard  
WECO (WE090) Connector  
Cable**



Model#	Length
6516-96	96in (2.4m)

**Cable Type:** RG59 Type.

**Mini-WECO (440) Plug  
Patch Cord**



Model#	Length
6502-96	96in (2.4m)

**Cable Type:** RG59 Type.

**BNC Female to Mini/Standard  
WECO Plug Adapters**



Model#	Plug Type
6519	Mini WECO (440)
5008	Std. WECO (WE090)

Permits BNC male to be used with equipment having Std. WECO or Mini WECO plugs.

**Rating:** Maximum voltage for *hands free use*: 500 Vrms, +216°F (+102°C) max.

**Bantam Plug Patch Cord**



Model#	Length
4279-12	12in (0.3m)
4279-24	24in (0.6m)
4279-36	36in (0.9m)
4279-48	48in (1.2m)
4279-60	60in (1.5m)
4279-72	72in (1.8m)

**Bantam Plug:**  
4279: Unplated brass.  
4279N: Nickel-plated brass.

**Rating:** Maximum voltage for *hands free use*: 300 Vrms; 300 Vrms\*, +122°F (+50°C) max.

**Cable Type:** 2 Conductor Shielded Twisted Pair, 0.180in (4.57mm) O.D.

**Bantam Plug to Two  
Alligator Clips**



Model#	Length
5026-36	36in (0.9m)
5026-60	60in (1.5m)
5026N-60	60in (1.5m)

**Bantam Plug:**  
5026: Unplated brass.  
5026N: Nickel-plated brass.

**Rating:** Maximum voltage for *hands free use*: 150 Vrms, +122°F (+50°C) max.

**Cable Type:** 2 Conductor Shielded Microphone, 0.180in (4.57) O.D.

**Bantam Plug to Minigrabber®  
Test Clips**



Model#	Length
5019-60	60in (1.5m)
5019N-60	60in (1.5m)

**Bantam Plug:**  
5019: Unplated brass.  
5019N: Nickel-plated brass.

**Rating:** Maximum voltage for *hands free use*: 300 Vrms, +122°F (+50°C) max.

**Cable Type:** 2 Conductor Shielded cable, 0.180in (4.57) O.D.

**Bantam Plug to Double Banana Plug**

Model#	Length
6523-96	96in (2.4m)

**Bantam Plug:** Nickel-plated brass.  
**Cable Type:** RG59 Type.



**Bantam Plug to RJ48/RJ45 Connector Cable**

Model#	Length
6324-96	96in (2.4m)

**Bantam Plug:** Nickel-plated brass.  
**Rating:** Maximum voltage for *hands free use*: 300 Vrms.  
**Cable Type:** 2 Conductor Shielded Twisted Pair.  
**Pin Out:** 4-Ring, 5-Tip.



**Bantam Plug to Micrograbber® Test Clips**

Model#	Length
4778-60	60in (1.5m)

**Bantam Plug:** Unplated brass.  
**Rating:** Maximum voltage for *hands free use*: 150 Vrms\*, +122°F (+50°C) max.  
**Cable Type:** 2 Conductor Shielded cable, 0.180in (4.57mm) O.D.



**Two Single Bantam Plugs to RJ48/RJ45 Connectors**

Model#	Length
6320-96	96in (2.4m)

**Bantam Plug:** Nickel-plated brass.  
**Rating:** Maximum voltage for *hands free use*: 300 Vrms.  
**Cable Type:** 2 and 4 Conductor Shielded Twisted Pair. Bantam "Y" (Tx and Rx) to RJ48 modular plug.  
**Pin out:** 1-Ring, 2-Tip, 4-Ring, 5-Tip.



**Bantam Plug to Double Banana Plug, Balanced Line**

Model#	Length
4281-60	60in (1.5m)

**Bantam Plug:** Unplated brass.  
**Rating:** Maximum voltage for *hands free use*: 500V Peak, +131°F (+55°C) max.  
**Cable Type:** 2 Conductor Shielded Microphone, 0.180in (4.57mm) O.D.



**Bantam Plug to WE310 Plug Patch Cable**

Model#	Length
4280N-36	36in (0.9m)
4280-48	48in (1.2m)
4280-60	60in (1.5m)

**WE310 and Bantam Plugs:**  
4280: Unplated brass.  
4280N: Nickel-plated brass  
**Rating:** Maximum voltage for *hands free use*: 300 Vrms., +122°F (+50°C) max.  
**Cable Type:** 2 Conductor Shielded Twisted Pair, 0.180in (4.57mm) O.D.



**Bantam Plug to RJ11 Connector Cable**

Model#	Length
6323-96	96in (2.4m)

**Bantam Plug:** Nickel-plated brass.  
**Rating:** Maximum voltage for *hands free use*: 300 Vrms..  
**Cable Type:** 2 Conductor Shielded Twisted Pair.  
**Pin out:** 3-Ring, 4-Tip



**Bantam (Female) to WE310 Plug Adapter**

Model#	Plating
4993	Unplated
6315	Nickel

**Plug Body:** Brass.  
3 Conductor adapter. Converts bantam cable into a WE310 plug-end patch cable.



\*see rating message at start of section.

**Dual Bantam Plug Patch Cable**

Model#	Length
6331-96	96in (2.4m)



**Bantam Plugs:** Nickel-plated brass.  
**Rating:** Maximum voltage for *hands free use*: 300 Vrms.  
**Cable Type:** 4 Conductor Shielded Twisted Pair.

**Two Single WE310 Plugs to RJ48/RJ45 Plug**

Model#	Length
6316-96	96in (2.4m)



**WE310 Plug:**  
 3352: Unplated brass.  
 3352N: Nickel-plated brass.  
**Rating:** Maximum voltage for *hands free use*: 150 Vrms., +122°F (+50°C) max.  
**Cable Type:** 2 Conductor Twisted Pair, 0.250in (6.35mm) O.D.

**Bantam or WE310 Plug to Binding Post**

Model#	Plug Type
2112	WE310
5001	Bantam



**Rating:** Maximum voltage for *hands free use*: 500V Peak, +122°F (+50°C) max.  
 Adapts Bantam or WE310 style equipment to binding posts and double banana plugs.

**Piercing Clips to Sheathed Banana Test Leads**

Model#	Clip Type	Length
6483-48-*	Bed of Nails and Single Needle	48in (1.2m)
6485-48-*	Bed of Nails	48in (1.2m)



Pierces 19 to 26 AWG Wire.  
**Wire:** 18 AWG Silicone Test Lead Wire.  
 For use with DMM's from Fluke, Wavetek (Meterman), Amprobe, Greenlee and others.  
 \*Colors: -0 Black, -2 Red, -02 includes both Black and Red.

**WE310 Plug to Double Banana Plug Cable**

Model#	Length
6524-96	96in (2.4m)

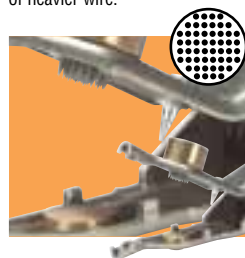


**Cable Type:** RG59.

**Piercing Clip Styles for Test Leads and Patch Cords**

**Bed of Nails/Single Needle**  
 Small wire and single penetration of heavier wire.

**Bed of Nails**  
 Small wire penetration.



**WE310 Plug to Two Alligator Clips**

Model#	Length
3352-A-60	60in (1.5m)
3352N-A-60	60in (1.5m)



**WE310 Plug:**  
 3352: Unplated brass.  
 3352N: Nickel-plated brass.  
**Rating:** Maximum voltage for *hands free use*: 150 Vrms., +122°F (+50°C) max.  
**Cable Type:** 2 Conductor Twisted Pair, 0.250in (6.35mm) O.D.

**Piercing Clips to Bantam Plugs Patch Cord**

Model#	Clip Type	Length
6484-60	Bed of Nails and Single Needle	60in (1.52m)
6486-60	Bed of Nails	60in (1.52m)



**Cable:** Two Conductor Twisted Pair.  
**Breakout Wire:** 18 AWG.



**BNC Female to WE310 Phone Plug**

Model# 2798

Rating: Maximum voltage for *hands free use*: 500V Peak, +122°F (+50°C) max.



**BNC Female to Mini-WECO (440) Plug Adapter**

Model# 6519

Rating: Maximum voltage for *hands free use*: 500V Peak, +216°F (+102°C) max.  
Permits BNC male to be used with equipment having mini-WECO jacks. Video plug equivalent to WE-090.



**BNC Female to Bantam Phone Plug**

Model# 4719

Rating: Maximum voltage for *hands free use*: 500V Peak, +122°F (+50°C) max.  
Convert Bantam style jacks to BNC.



**BNC Female to Standard WECO (WE090) Plug Adapter**

Model# 5008

Rating: Maximum voltage for *hands free use*: 500V Peak, +216°F (+102°C) max.  
Permits BNC male to be used with equipment having standard WECO jacks. Video plug equivalent to WE-090.



**Bantam Phone Jack to WE310 Phone Plug**

Model# 4993

Rating: Maximum voltage for *hands free use*: 500V Peak.  
Use cords with Bantam style plugs on equipment with WE-310 jacks.



**BNC Female to WE309 Phone Plug**

Model# 1794

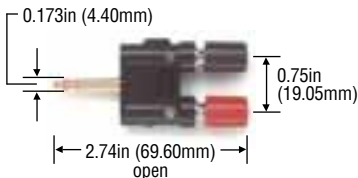
Rating: Maximum voltage for *hands free use*: 500V Peak, +122°F (+50°C) max.



**Stackable Binding Posts to Bantam Phone Plug**

Model# 5001

Rating: Maximum voltage for *hands free use*: 500V Peak, +122°F (+50°C) max.  
Adapts Bantam style equipment to binding posts and double banana plugs.



**Stackable Binding Posts to WE310 Phone Plug**

Model# 2112

Rating: Maximum voltage for *hands free use*: 500V Peak, +122°F (+50°C) max.



\*see rating message at start of section.

**Category Page#**

**Adapters**

Adapter Accessories ..... 6-29  
 Adapter Kit, Coaxial Cable ..... 17-20  
 Banana Jack and Plug ..... 33-43  
 [see separate Banana Plugs & Jacks section]  
 Banana to Connector Pin and Socket ..... 42-43  
 Banana to Pin Tip ..... 42  
 Banana Plug to Phono Jack ..... 86  
 Bantam to Binding Post ..... 96, 97  
 Bantam to WE310 ..... 96  
 BNC Dust Cap ..... 20  
 BNC to 1/4in Phone Plug ..... 86  
 BNC to 3.5mm Plug ..... 86  
 BNC to Banana Plug ..... 19  
 BNC to Bantam ..... 97  
 BNC to Binding Post ..... 19  
 BNC to BNC ..... 17, 21  
 BNC to F ..... 87  
 BNC to Mini Phone Plug ..... 86  
 BNC to N ..... 17, 31  
 BNC to Phone Plug ..... 86  
 BNC to Phono Jack ..... 86  
 BNC to SMA ..... 17, 28  
 BNC to TNC ..... 31  
 BNC to Tini Plug ..... 86  
 BNC to Triax ..... 31  
 BNC to UHF ..... 17, 31  
 BNC to WE309 ..... 97  
 BNC to WE309 / 310 ..... 97  
 BNC to WECO ..... 97  
 Coaxial Adapters and Kits ..... 17-20  
 Coaxial Connectors and Adapters ..... 17-32  
 F to F ..... 30  
 N to N ..... 18, 29  
 Oscilloscope Probe Tip ..... 80-83  
 Phone Plug 1/4in to Banana Plug ..... 87  
 Phone Plug to Banana Plug ..... 87  
 Safety Banana Jack to Banana Plug ..... 34  
 SMA to "N" ..... 17, 28  
 SMA to SMA ..... 17, 23  
 SMA to TNC ..... 28  
 Terminal Strip to Banana Jack ..... 36  
 Test Probe, DMM ..... 59-72  
 Pin Tip to Banana ..... 42  
 TNC to TNC ..... 17  
 Triax to Triax ..... 30  
 Triaxial ..... 30  
 Type N to BNC ..... 17, 31  
 Universal Kits ..... 17-20  
 WE310 to Binding Post ..... 97

**Alligator Clips, Regular Size**

To Banana Jack ..... 70, 75  
 Breakout to BNC ..... 14, 16  
 DMM Test Lead ..... 49-50, 66, 91  
 Extra Large ..... 69, 75  
 Patch Cord to Alligator Clip ..... 49-51  
 Patch Cord to Bantam ..... 94-97  
 Patch Cord to BNC ..... 14, 16  
 Patch Cord to 1000V Alligator Clip ..... 50

**Alligator Clips, Mini**

To 2mm Banana Jack ..... 75, 78  
 Breakout to BNC ..... 16  
 DMM Test Lead ..... 49-50  
 Patch Cord to Banana, double ..... 47  
 Patch Cord to Banana, single ..... 50  
 Patch Cord to Banana, mini, double ..... 48  
 Patch Cord to Mini Alligator Clip ..... 50  
 Patch Cord to Mini Grabber ..... 50

**Alligator Clips, Micro**

Patch Cord to Micro Alligator Clip ..... 48, 50

**Attenuators**

BNC Attenuator ..... 20

**Category Page#**

**Audio**

Audio ..... 84-87  
 XLR Connector ..... 84-86

**Automotive**

Automotive ..... 88  
 Backprobe Pin ..... 88  
 Connector Test Probe ..... 88  
 Connector Test Socket ..... 88  
 Lead Holder ..... 88  
 Piercing Probes ..... 88  
 Test Pins and Sockets ..... 88

**Banana Plugs and Jacks (Binding Posts too)**

Banana Jack Mounting Base ..... 38  
 Banana Jack, panel mount with wire wrap ..... 40-41  
 Banana Jack to Banana Jack ..... 33, 46, 70  
 Banana Jack to Miniature Banana Plug ..... 39, 42  
 Banana Jack Miniature Panel Mount ..... 40  
 Banana Jack to Pin Tip Jack ..... 42  
 Banana Jack Panel Mount ..... 37, 40, 41  
 Banana Miniature Jack to Banana Plug ..... 41  
 Banana Miniature Plug Panel Mount ..... 36, 37  
 Banana Miniature Plug Shorting Bar ..... 43  
 Banana Plug Adapters ..... 43  
 Banana Plug Panel Mount ..... 36  
 Banana Plug to Pin Tip Plug ..... 47  
 Banana Plugs and Jacks ..... 33-43  
 Banana Shorting Bar ..... 39  
 Binding Post ..... 38-42  
 Binding Post, Double ..... 38  
 Binding Post Miniature ..... 40  
 Binding Post Mounting Base ..... 38  
 Binding Post Shorting Bar ..... 39  
 Binding Post, Spring Loaded ..... 38  
 Binding Post to Banana Plug ..... 42  
 Connector Test Probe ..... 43  
 Connector Test Socket ..... 43  
 Coupler ..... 34, 70  
 Double Banana Plugs ..... 34  
 Double Banana Jacks, Panel Mount ..... 37  
 Low Thermal ..... 43  
 Miniature Banana Jack ..... 42  
 Miniature Banana Plug ..... 42, 46  
 Nut, Hex ..... 39  
 Pin Tip Jack Panel Mount ..... 41  
 Safety Banana Jack to Banana Plug adapter ..... 34  
 Safety Banana, Jacks ..... 34, 37  
 Safety Banana, panel mount ..... 43  
 Safety Banana Plugs ..... 34, 35  
 Safety Banana Plug, right angle ..... 35  
 Safety Banana Plug, stackable ..... 34-35  
 Single Banana Jacks ..... 36  
 Single Banana, Plugs ..... 35-36, 39  
 Solderless Banana Plug, double ..... 33  
 Solderless Banana Plug, single ..... 35  
 Solderless Banana Plug, triple ..... 34  
 Solderless Binding Post, double ..... 40, 42  
 Solderless Mini Banana Plug, double ..... 39  
 Solderless Mini Banana Plug, single ..... 39  
 Solderless Mini Banana Plug, triple ..... 39  
 Spade Lug ..... 43, 70  
 Stackable Banana Plug, double ..... 33  
 Stackable Banana Plug, single ..... 35  
 Stackable Banana Plug, triple ..... 34  
 Stackable Binding Post, double ..... 42  
 Stackable Mini Banana Plug, double ..... 39  
 Stackable Mini Banana Plug, single ..... 39  
 Stackable Mini Banana Plug, triple ..... 39  
 Stacking Banana Plug, quad, single ..... 34  
 Test Pins and Sockets ..... 43  
 Triple Banana Plugs ..... 34  
 Triple Banana Jacks, panel mount ..... 37

**Category Page#**

**Boxes and Enclosures**

Boxes and Enclosures ..... 53-58  
 Box, Aluminum ..... 53-57  
 Box, Plastic ..... 57-58

**Breakouts**

Assemblies and Breakouts ..... 6-16  
 BNC to Alligator Clips ..... 16  
 BNC to Banana Plug ..... 15, 16  
 BNC to Pin Tip ..... 15, 16  
 BNC to Spade lugs ..... 16  
 BNC to Square Jack ..... 15, 16  
 BNC to Test Clips ..... 16  
 BNC to Wire Lead ..... 16

**Broadcast**

BNC Color-Coded Sleeves ..... 7  
 BNC High Definition Coaxial Connectors ..... 84  
 BNC Terminator ..... 20  
 XLR Connectors ..... 84-86

**Cable Assemblies**

Assemblies and Breakouts ..... 6-16  
 Banana Miniature Plug ..... 16  
 BNC Color-Coded Sleeves ..... 7  
 BNC to Alligator Clips ..... 16, 19  
 BNC to Banana Plug ..... 17, 18, 19  
 BNC to BNC ..... 7-9, 87, 93  
 BNC to Pin Tip ..... 14, 16  
 BNC to SMA ..... 9  
 BNC to Spade lugs ..... 16  
 BNC to Square Jack ..... 15, 16  
 BNC to Test Clips ..... 13-14, 16  
 BNC to Wire Lead ..... 16  
 Coaxial Cable Set ..... 88  
 Lead Holder ..... 6, 44, 88  
 N to N ..... 9  
 Phone Plug ..... 31, 86  
 SMA to "N" ..... 9  
 SMA to SMA ..... 9  
 Triax to Alligator Clips ..... 13  
 Triax to Triax ..... 13  
 UHF to UHF ..... 17

**Calibration Accessory Kit**

Assemblies and Breakouts ..... 52

**Connectors**

Banana Plugs & Jacks [see separate  
 Banana Plugs & Jacks section] ..... 33-35  
 Binding Post  
 [see Banana Plugs & Jacks section] ..... 38-42  
 BNC 75Ω ..... 7, 20, 84  
 BNC Bulkhead Receptacle  
 Hermetically Sealed ..... 22  
 BNC Plugs, Jacks ..... 17-22, 31  
 BNC, Hermetically Sealed ..... 22  
 BNC High Definition ..... 84  
 BNC, Isolated, Bulkhead Receptacle ..... 22  
 BNC Panel ..... 22  
 BNC PCB ..... 22  
 BNC Strain Relief Boot ..... 14  
 Broadcast Connectors and Adapters ..... 84-87  
 Coaxial Connectors and Adapters ..... 17-32  
 F Plugs, Jacks ..... 30, 87  
 F Panel ..... 30  
 F to BNC ..... 30, 87  
 MCX Plugs, Jacks ..... 26  
 MCX Panel ..... 26  
 MCX PCB ..... 26  
 MMCX Plugs, Jacks ..... 27  
 MMCX PCB ..... 27  
 Grabber Type Clips ..... 69, 73-75  
 N Coaxial ..... 20, 29  
 N Panel ..... 29  
 N Terminator ..... 20

Category	Page#
SMA Plugs, Jacks	17, 23, 24, 28
SMA Panel	24
SMA PCB	24
SMB Plugs, Jacks	24
SMB PCB	24
Tip Pin, Plug	41
Tip Pin, Panel Mount	41
Tip Pin, Panel Mount with Wire Wrap	41
TNC	31
Triax Plugs, Jacks	31
Triax Panel	31
Twinax Plugs, Jacks	30
Twinax Panel	30
XLR Connectors (many models in Broadcast Catalog)	84-87
<b>DC Blocking</b>	
BNC Blocking Capacitor	20
<b>DMM Accessories</b>	
0.04", 0.06" & 0.08" Replaceable Probe Tips	67
Alligator Clips	59-66, 69, 70, 75, 78
Automotive Leads	88
Backprobe Pins	61, 88
Banana Jack to Banana Jack	34, 67
Cases and Pouches	66
Couplers	34, 70
Couplers, Test Lead, Banana	70
DMM Accessories and Kits	59-72
DMM Accessories Cases and Pouches	66
Do It Yourself DMM Accessories	70
Kelvin Clips with Leads	70
Kelvin Probe Set	70
Kit List	66
Piercing Alligator Clips to Banana Plug	69
Piercing Probes	64, 67, 88
Pogo Tip Probes	65, 67
Probe Tip Adapter	60, 61, 62, 63, 70
Probe Tips, Spring-Loaded (Pogo Pin)	65, 67
Probe Tips, Replacable	59, 64, 67
Retractable Needle Tip Test Probes	71
RF Detector Test Probe	71
Screw-on Alligator Clips Set	65
Shielded Leads	69
Spade Lug	43, 70
Spade Lug Adapter	70
Spring Loaded Probe tip sets	64
Test Clips	69, 73-75
Test Lead Kits	59-66
Test Lead Wire	72
Test Leads and Test Lead Kits	68
Test Leads, Modular	68
Test Probe RF Detector	71
Test Probe Selection Table	66
Test Probe SMD Tweezers	71
Test Probe Tip Adapters	60-63
Test Probe with Leads	65, 68, 71, 72
Test Probe, Modular	68
Wire Piercing Test Clip	69
Wire, Test Lead	72
<b>Do-It-Yourself</b>	
Leads and Grabbers	72
<b>IC Test Clips</b>	
IC Test Clips and Adapter	89-90
<b>Kelvin Clips</b>	
Kelvin Probes, Clips with Leads	72
<b>Oscilloscope Probes</b>	
Differential Probe	83
Probes	80-83
Probes Accessory Kit	80-83
Probes and Accessories	80-83
SMD	74, 77, 80, 82
SMD Adapter	80-82

Category	Page#
<b>Patch Cords</b>	
Alligator to Alligator	51
Banana Jack to Banana Plug	51
Banana Jack to Minigrabber	45
Banana Jack, Sheathed to Minigrabber	46
Banana Jack to Test Clip	45
Banana Plug	33-42
Banana Plug to Maxigrabber	45
Banana Plug to Micrograbber	46
Banana Plug Miniature	45
Banana Plug Miniature to Test Clip	45
Banana Plug, Miniature to Minigrabber	51
Banana Plug to Minigrabber	45, 47
Banana Plug to Alligator Clip	48, 49, 50
Banana Plug to Pin Tip	47
Banana Plug, Retractable Sheathed to SMD Grabber	69, 73-75
Banana Plug, Sheathed to Extra Large Alligator Clip	50
Banana Plug to Square Pin Jack	51
Banana Plug to Test Clip	45, 46, 49
Banana Plug, Miniature to Standard Bantam	45
Bantam	94
Bantam to Alligator	94
Bantam to Banana Plug	94
Bantam to RJ11	95
Bantam to RJ45 / RJ48	95
Bantam to Test Clip	94
Bantam to WE310	95
BNC 75Ω	7, 20, 84
BNC to Alligator Clip	13, 16
BNC to Double Banana Plug	14
BNC to BNC	17, 25
BNC to Grabbers and Pincers	13, 14
BNC to Type N	16, 31
BNC to Bantam	97
BNC to Phono Plug	86
BNC to Pin Tip Plug	42
BNC to SMA	17, 28
BNC to TNC	30
BNC to UHF	17, 30
BNC to WE310	97
BNC to WECO I	97
Coax	6-32
Coiled Patch Cords	45, 46
Double Shielded Coax, Triaxial	30, 31
Fuse Holder Banana Plug	45
Lead Holder	44
Large Alligator Clip	75
Low Thermal	43, 49
Miniature Banana Plug to Minigrabber	51
Minigrabber to Pin Tip Plug	73
Type N	9
Patch Cords and Test Leads	44-51
Patch Cord to Banana, Double	47, 48
Patch Cord to Banana, Single	44-46, 49-51
Patch Cord to Large Alligator Clip	75
Patch Cord to Spade Lug	49, 51
Patch Cord to Triaxial	13
Patch Cord to WE310	95-96
Pin Tip	16, 41, 42, 74
Pin Tip to Test Clip	51
Retractable Sheath Banana	50
Retractable Sheathed Banana Plug to SMD Grabber	76
Sheathed Banana Jack to Minigrabber	46
Sheathed Banana Plug to Extra Large Alligator Clip	50
Shielded, Double Banana	46
Shielded Twisted Pair, Triaxial	16
SMA	17, 23, 28
SMD Test Clip	46, 49, 74, 76
Spade Lug	49, 51
Spade Lug to Alligator	51
Square Pin to Banana	51
Spade Lug to Banana Plug	51

Category	Page#
Square Pin Jack to Pin Tip	51
Test Clip	49, 51
Test Clip to Alligator	51
Triaxial	16
Twisted Pair	6
UHF	31
WE310	95, 96
WE310 to Alligator	96
WE310 to Banana Plug	96
WE310 to RJ45 / RJ48	95
WECO	94, 97
<b>Shorting Cap</b>	
BNC Shorting Cap	20
SMA Shorting Cap	23
<b>Static Control</b>	
Kit	91
Patch Cord	92
Static Control	91
Tester	91
Wrist Strap	91, 92
<b>Telecom</b>	
BNC to Bantam	93, 94, 97
Bantam	94, 95
Bantam to Alligator	94
Bantam to Banana Plug	95
Bantam to RJ11	95
Bantam to RJ45 / RJ48	95
Bantam to Test Clip	94
Bantam to WE310	95
BNC to Bantam	97
BNC to WE310	94, 97
BNC to WECO	94, 97
Patch Cords	93-96
WE310	94-97
WE310 to Alligator	96
WE310 to Banana Plug	95
WE310 to RJ45 / RJ48	96
WECO	94, 97
Piercing Alligator Clips to Banana Plug	96
Telecom	93-97
Test Kit	93
Bantam to Binding Post	96, 97
Bantam to WE310	95, 97
<b>Terminators</b>	
BNC Terminator	20
SMA Terminator	23
<b>Test Clips</b>	
Banana Jack	73
Pin Tip	73
Solder Type	75
Grabbers and Test Clips	73-75
Kelvin Clips with Leads	72
Pin Tip to Alligator Clip	75
SMD	73, 76
<b>Test Leads</b>	
Patch Cords and Test Leads	44-51
<b>Test Probes</b>	
Test Probes	59-72
SMD Tweezers	71
<b>Video</b>	
Video	84-87
<b>Wire</b>	
Test Lead Wire	72

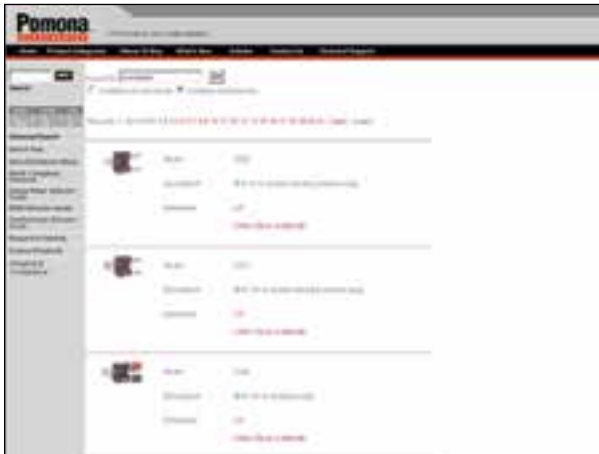
Alphabetical Listed Items	Page#	Model#	Page#	Model#	Page#	Model#	Page#	Model#	Page#
Alligator Clips	75,78,83	AL-B	50	2142	40	2BC-BNC	14	3601	55
Attenuators, BNC	20	B	44	2143	41	2BC-MG	48	3602	55
Automotive Leads	88	BNC-C	8	2224	58	2BC-PP	47	3603	55
Backprobe Pins	88	CK73041	3,52	2239-C	47	3014	45	3606	55
Cases & Pouches	66	HB	44	2240	75	3027-K	48	3690	39
Coiled Patch Cords	45, 46	MDP	33	2244	39	3030	40	3719	54
Couplers	34, 42, 70	MDP-S	33	2247-K	47	3073	16	3728	53
Differential Oscilloscope probe	83	MDP-ST	33	2249-C	6, 7	3220	50	3742	56
ESD Control Products	91, 92	MDP-X	33	2249-K	7	3221	16	3743	56
Grabber type clips	73-75	MG-B	50	2249-E	7	3230	54	3744A	43
Hanging Rack	6, 44, 88	P	51	2249-Y	7	3231	54	3750	38
Hardware, replacement	39	SP150B	80	2259	57	3232	54	3751	53
Hermetically Sealed BNC	22	1081	51	2269	37	3234	54	3752	53
Kit List, DMM Test Leads	66	1166	49	2305	43	3239	54	3753	53
Low Thermal Patch Cord	43	1167	47	2352	53, 54, 55	3257	36	3754	53
Low Thermal Lug	43	122505A	35	2382	40	3258	36	3760	38
Magnetic Test Lead holder	88	122506A	35	2383	40	3261	36	3770	38
Maxi Grabber Clips	69, 74	1236	50	2390	53	3263	36	3777A	43
Micro Grabber Clips	69, 74	1269	19	2391	53	3264	36	3778	22
Mini Grabber Clips	73	1270	19	2392	53	3265	36	3780	48
Mini Pincer Clip	69, 74	1286	42	2393	53	3266	36	3781	48
Mounting Bases, panel mount	38	1296	19	2397	53	3267	37	3782	45
Nuts, Hex, replacements	39	1297	31, 85	2398	53	3268	40	3784	51
Piercing Probes	88	1325	35	2399	53	3269	19	3786-C	47
Pogo Tip Probes	65, 67, 71	1326-A	47	2400	53	3271	40	3787-C	13
Pouches & Cases	66	1326-C	47	2401	53	3272	40	3788	16
Retractable Sheath Banana Plug	35	1330	33	2411	54	3276	39	3789	16
Screw-on Alligator clip probes	60	1330-ST	33	2417	54	3277	40	3834	42
Shielded Leads, DMM	64	1368-A	46	2420	54	3283	21	3837	31, 85
Shorting Link, binding post	35	1383-C	8	2428	54	3284	21	3839	20
Shorting Plugs	33, 34, 39, 41	1390	34	2439	40	3285	21	3840	20
Sleeves, color-coded	7	1432	42	2440	40	3286	31	3841	29
SMD Grabber Clips	78	1440	44	2447	22	3287	31	3842	29
SMD Oscilloscope Grabber Clips	74, 77, 80-82	1442	86	2447A	22	3288	31	3843	29
Spade Lugs	43, 49	1452	19	2451	22	3289	75	3844	31
Splices	34, 42, 70	1468	19	2451A	22	3296	19	3846	21
Spring Loaded Tip Probes	65, 67, 71	1469	19	2455	29	3301	55	3847	21
Static Control Products	91-92	1508	6, 44	2477	41	3302	55	3850	58
Strain Relief Boot	14	1581	37	2484	45	3306	55	3862	38
Terminators, BNC	20	1614A	70	2630	16	3311	56	3863	38
Terminators, Type N	20	1658-T	9	2631	16	3316	56	3864	46
Test Lead Rack Holders	6, 44, 86	1693	49	2708	6, 44	3352-A	96	3901	16
Tini Plug to BNC adapter	86	1756	49	2798	94, 97	3352N-A	96	3916A	90
Triaxial Adapters	30	1794	94, 97	2854	37	3364	34	3925	73
Triaxial Connectors	30	1809	42	2864	45	3430	19	3957	16
Triaxial Patch Cords	13	1823	34	2882-C	14	3452	41	3966	16
Tweezers	71	1825	35	2886	16	3491	74	4005	37
Wire Wrap Items	41	1829	34	2894	42	3533	21	4022	87
Wire Reference Table, Coax	6	1837	34	2901	54	3534	21	4043	86
Wire Reference Table, Patch Cord and Test Lead	44	1894	19	2902	54	3535	31	4044	87
		1960	51	2906	54	3542	41	4054	31, 84
		2035	39	2944	39	3548	40	4108	20
		2096	57	2945	39	3560	43	4115	39
		2098	57	2948	44	3561	43	4119	20
		2099	57	2952	41	3562	43	4159	22
		2103	57	2970	34	3563	43	4160	22
		2104	58	2BA	47	3564	43	4176	73
		2105	57	2BA-AL	48	3565	43	4225	74
		2112	96, 97	2BC	47	3580	30	4226	55
		2138	42	2BC-AL	48	3600	30	4233	74

Model#	Page#	Model#	Page#	Model#	Page#	Model#	Page#	Model#	Page#	Model#	Page#
4240	.20	4654	.38	4996	.45	5250	.90	5673B	.62	6084	.91
4243	.38	4655	.56	4997	.21	5251	.90	5674C	.60	6086	.91
4245	.53	4656	.56	5001	96, 97	5252	.90	5676A	.67	6087	.91
4246	.54	4658	.56	5008	94, 97	5253	.90	5677B	.59	6088	.91
4247	55, 56	4661	.30	5014	.90	5254	.90	5678-K	.71	6101A	.80
4248	.54	4684	.20	5018	.38	5255	.56	5682	.70	6102A	.80
4274	.45	4690	.43	5019	.94	5266-C	.7	5689A	.68	6106	.71
4276-C	.8	4691	.43	5019N	.94	5268-C	.15	5697	.8	6107	.90
4277-C	.9	4702	.51	5026	.94	5279	.89	5698	.17	6108	.90
4279	.94	4719	94, 97	5026N	.94	5280	.89	5699	.37	6109	.90
4280	.95	4723	.73	5051	.16	5281	.89	5700	.37	6112A	.66
4280N	.95	4725	.13	5053	.46	5285	.21	5701	.37	6146	.66
4281	.95	4726	.55	5054	.13	5286	.21	5733	.89	6147	.66
4282	.23	4741	.51	5056	.30	5290	.30	5748	.17	6162	.66
4283	.23	4742	.53	5058-X	.9	5291A	.49	5749	.18	6172A	.64
4284	.23	4768-K	.47	5066	.32	5292	.69	5787A	.70	6173A	.63
4285	.23	4770	.38	5068	.32	5295	.49	5788	.75	6174	.64
4286	.23	4771	.51	5069	.16	5297	.20	5790	.79	6175	.66
4288	.28	4772	.51	5076	.32	5298	.31	5795A	.80	6203	.70
4289	.28	4773	.41	5085	.20	5299	.31	5800A	.80	6204A	.61
4290	.28	4777-C	.13	5088	.23	5300	.31	5803A	.80	6212	.71
4291	.28	4777-K	.13	5089	.29	5301	.49	5806A	.80	6231	.46
4292	.28	4778	.95	5090	.31	5302	.46	5809A	.80	6232A	.68
4293	.28	4787	.29	5108	.90	5304-K	.14	5812A	.80	6235	.69
4294	.28	4788	.22	5113A	.83	5305	.16	5827A	.80	6237	.66
4295	.28	4804	.23	5114	.90	5307	.21	5830	.74	6244	.46
4296	.28	4805	.23	5117A	.84	5309A	.67	5898	.67	6245	.46
4297	.28	4826	.73	5125A	.83	5312	.89	5899A	.63	6248	.46
4298	.28	4846-BB	.9	5126A	.83	5319	31, 84	5900A	.63	6249	.45
4299	.28	4846-C	.9	5133	.71	5325A	.60	5901B	.61	6252	.70
4384	.58	4846-K	.9	5142-K	.71	5342	.13	5903A	.62	6253-C	.8
4388	.30	4846-X	.9	5143-K	.71	5343-C	.15	5904A	.62	6254	.18
4391	.20	4846-UU	.9	5144	.69	5344	.21	5906A	.68	6262	70, 88
4408	6, 44	4850	.23	5145	.34	5360	.74	5907A	.68	6263	.70
4408M	.88	4859	.23	5148	.22	5375	.25	5908A	.68	6264	.70
4416	.55	4862	55, 56	5155	14, 32	5401	.89	5909A	.68	6265	.80
4488	.21	4864	54, 56, 57, 58	5156	14, 32	5402	.89	5910B	.69	6266	.80
4512	.36	4892	.33	5157	14, 32	5405	.42	5911B	.69	6267	.80
4513	.39	4896	.21	5165	.42	5406	.35	5912B	.69	6275	.65
4521	.74	4897	.35	5167	.36	5418	.74	5913	69, 88	6283-C	.46
4524-C	.8	4898	.33	5168	.36	5423-C	.13	5914	.69	6286	.68
4528-K	.9	4899	.35	5169	.36	5428	.46	5916A	70, 75	6288	.68
4528-X	.9	4900	.37	5170	.36	5437	.90	5931	.36	6291	.7
4530-C	.15	4903	.57	5173	.41	5510	.18	5934	.42	6303	.72
4531-C	.13	4911A	.50	5178	.30	5511	.20	5935	.42	6304	.68
4532-C	.14	4914	.33	5186	.55	5513	.18	5936	.43	6315	.95
4538	.45	4933	.35	5187-C	.14	5514	.90	5940	.72	6316	.96
4543	.41	4934	.35	5187-K	.14	5515A	.89	5948	.51	6320	.95
4550B	.80	4935-BB	.9	5188	.16	5519A	.67	5950A	.67	6323	.95
4555	.73	4945-K	.15	5189	.16	5520	.74	5951A	.67	6324	.95
4565	.74	4956	.29	5198	.57	5521	.49	5952A	.65	6331	.96
4578	.22	4957	.30	5203	.57	5522	.73	5953A	.65	6340	.59
4590	.38	4958	.30	5208	.90	5523	.48	5955	.66	6341	.65
4601	.37	4964-SS	.7	5218	.30	5525	.49	6041B	69, 75	6342	.65
4613	.49	4969	.16	5219	.30	5529	.91	6042B	69, 75	6343	.60
4614	.38	4970	.16	5220	.90	5531	.92	6049A	.80	6344	.60
4617	.39	4979	.22	5223	.13	5532	.92	6069A	.80	6345	.64
4619	.38	4986	.35	5230	.35	5534	.92	6081	.92	6351	.79
4650	.50	4993	95, 97	5233	.37	5543B	.60	6082	.91	6352	.79
4653-0	.39	4995	.38	5243	.74	5672A	.60	6083	.91	6353	.79

Model#	Page#	Model#	Page#	Model#	Page#	Model#	Page#	Model#	Page#	Model#	Page#
6354	65, 71	6601	.65	6884	.38	72937	.19	73008	.26	73077-UU	.10
6356	.50	6700	.21	7035	.21	72938	.19	73010	.26	73078-UU	.12
6357	.49	6701	.21	7040	.21	72940	.82	73011	.26	73082-X	.12
6358	.68	6702A	21, 83	7042	.21	72941	.82	73012	.26	73083-BB	.12
6364	.71	6703A	21, 83	7057	.29	72942	65, 82	73014	.26	73083-X	.12
6365	.67	6704A	21, 83	7073	.22	72943	.24	73015	.26	73084	3, 37
6366	.67	6705	.21	7107	.84	72944	.24	73016	.26	73085	3, 37
6383	35, 72	6706	30, 86	7108	.85	72945	.24	73017	.26	73086	3, 37
6384	35, 72	6712	30, 86	7115	.83	72946	.24	73018	.26	73087	3, 48
6387	.37	6713	30, 86	7142	.85	72950	.24	73023	.27	73088	3, 37
6389	.39	6717	.22	7150	.85	72952	.24	73024	.27		
6405	69, 88	6718	.22	7151	.85	72953	.24	73025	.27		
6411	.88	6720	.36	7152	.85	72954	.24	73026	.27		
6413	69, 88	6721	34, 72	7156	.85	72956	.24	73028	.27		
6440	.39	6723	.65	7157	.85	72958	.24	73029	.27		
6441	.39	6726	.65	7158	.85	72959	.24	73030	.27		
6442	.79	6727	.44	7159	.85	72960	.24	73032	.27		
6443	73, 80	6728	.34	7160	.85	72961	.24	73033	.27		
6469	.67	6729	35, 72	7269	.83	72962	.24	73034	.27		
6470	.67	6730	.72	7270	.83	72963	.24	73035	.27		
6475	.71	6733	.72	7271	.83	72964	.24	73037	.27		
6477	.67	6734	.72	7272	.83	72965	.24	73038	.27		
6479	.68	6735	.22	7283	.83	72966	.24	73039	.27		
6481	43, 88	6736	.22	7284	.83	72967	.24	73040	81, 82		
6483	50, 96	6737	.21	7290	.70	72968	.24	73041	3, 52		
6484	.96	6738	.21	72902	.77	72969	.24	73042	.21		
6485	.96	6739	.21	72903	.77	72970	.24	73043	.21		
6486	.96	6740	.21	72904	.77	72971	.24	73044	.29		
6490	.79	6741	.22	72905	.77	72973	.24	73045	.29		
6491	.81	6745	.22	72906	.77	72974	.24	73046	.29		
6493	.81	6744	.21	72907	.77	72975	.23	73047	.29		
6494	.81	6746A	.21	72908	.15	72976	.28	73048	.29		
6495	.81	6747	.22	72909	.15	72977	.28	73049	.29		
6496	.81	6748	.22	72910	.19	72978	.28	73050	.29		
6497	.81	6752A	.21	72911	.19	72979	.28	73051	.29		
6498	.81	6754	.21	72912	.36	72980	.25	73052	.29		
6499	.81	6779	.28	72913	.36	72981	.25	73053	.32		
6500	.81	6780	.28	72914	19, 79	72982	.25	73054	.32		
6502	.94	6781	.28	72915	.79	72983	.25	73056	.32		
6510-V	7, 93	6782	.28	72916	.79	72984	.25	73057	.32		
6515	.94	6801	30, 85	72917	.79	72985	.25	73058	.32		
6516	.94	6802	30, 85	72918	.36	72987	.25	73059	.32		
6517	.93	6803	30, 85	72919	.78	72988	.25	73061	.21		
6519	94, 97	6850	.83	72920	.78	72989	.25	73062	.29		
6523	.95	6851	.83	72921	.79	72991	.25	73063-BB	.10		
6524	.96	6854	.84	72922	.79	72992	.25	73064-BB	.11		
6530A	.61	6855	.84	72923	.78	72993	.25	73065-BB	.12		
6534	.88	6856	.84	72924	75, 78	72995	.25	73066-BB	.12		
6545	.35	6857	.84	72925	.78	72996	.25	73067-BB	.10		
6546	.35	6863	.84	72926-C	.7	72997	.25	73068-BB	.11		
6547	.39	6864	.84	72927-C	.15	72998	.25	73069-BB	.11		
6548	.39	6869	.83	72928	.76	72999	.25	73070-BB	.11		
6549	.39	6873	.85	72929	.78	73000	.25	73070-C	.11		
6551	.82	6874	.85	72930	.36	73001	.25	73071-BB	.11		
6553	73, 81, 82	6878	.86	72931	.17	73002	.26	73071-X	.11		
6554	.82	6879	.87	72932	.18	73003	.26	73072-BB	.10		
6567	.75	6880	.86	72933	.18	73004	.26	73072-VV	.10		
6568	.93	6881	.86	72934	.17	73005	.26	73073-BB	.10		
6570	.50	6882	.86	72935	.76	73006	.26	73075-VV	.10		
6576	.50	6883	.38	72936	.78	73007	.26	73075-UU	.10		

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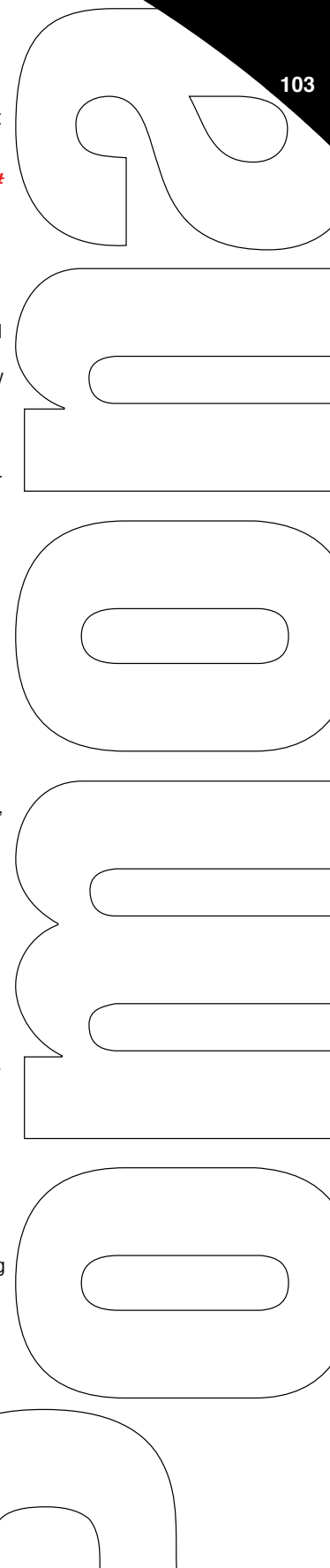
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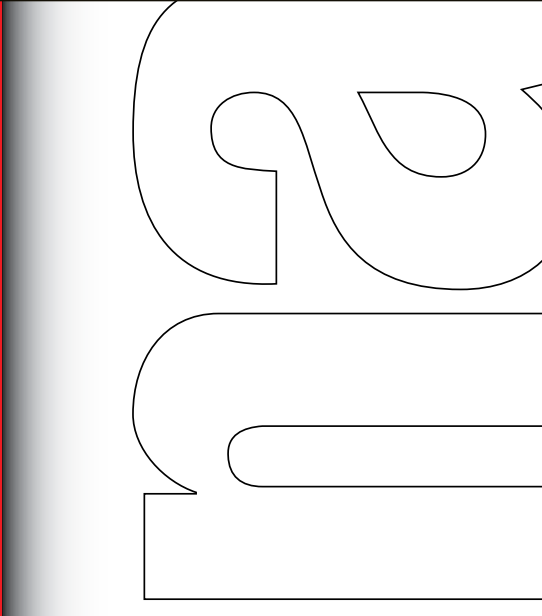
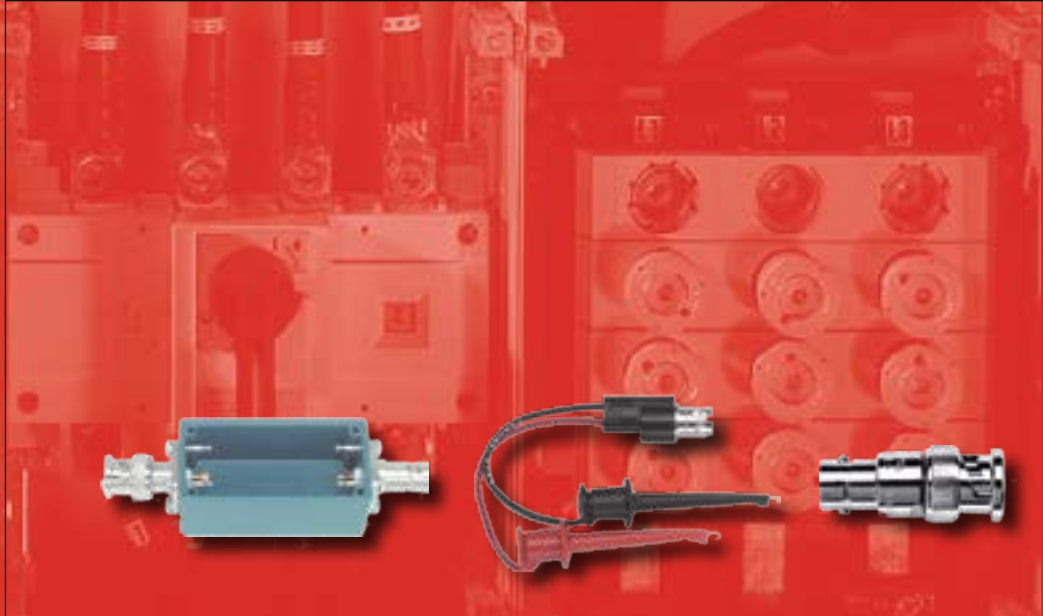
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