



# HB HYPERBUSS™ Family



## More Power. More Data. More Control.

Amphenol Sine Systems' **HYPERBUSS™ Family of Bussed Receptacles** are an environmentally-sealed, multi-pin, heavy duty, plastic, circular or rectangular connector for use in applications where a common "bussed" electrical pathway is required, such as Bussed Feedback Receptacles used as a Splice Block or Tap Block. With an IP68 or IP69K rating (in mated condition), depending on Series, the HYPERBUSS™ Family of Bussed Receptacles contain either an integrated latch or an a quick-connect, circular, bayonet locking system to ensure proper mating to its respective Series plugs.

**Buss:** a conductor, or a group of conductors, used for collecting electric power from the incoming feeders and distributes them to the outgoing feeders; a type of electrical junction in which all the incoming and outgoing electrical current meets.

Available in the following receptacle options: HYPERBUSS™ AT, HYPERBUSS™ ATP, HYPERBUSS™ ATV, and DuraMate™ AHDP with HYPERBUSS™, each intermateable with their respective plug (AT Series™, ATP Series™, ATV Series™ and DuraMate™ AHDP Series plugs) and industry standard connectors.



**HYPERBUSS™ AT:** 2, 4, 6, 8, and 12 Position Receptacles

**HYPERBUSS™ ATP:** 6 Position Receptacles

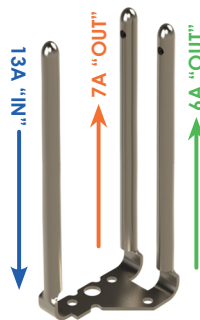
**HYPERBUSS™ ATV:** 18 Position Receptacles

**DuraMate™ AHDP with HYPERBUSS™:** Size 24, 16 Position Receptacles

**Key Features**

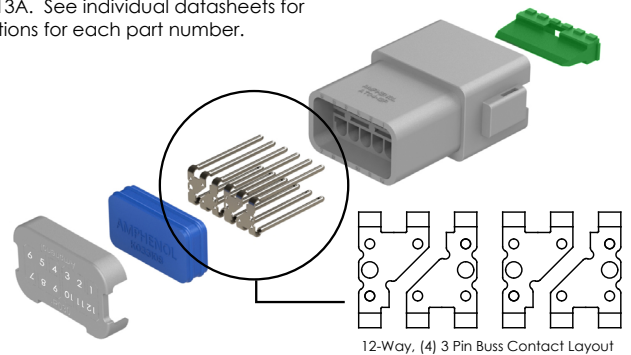
- Sealed Intergrated Bussed Feedback Assembly
- Rectangular or circular thermoplastic housings
- Integrated latch or quick-connect, circular, bayonet locking systems
- Bussed receptacles are intermateable with respective Series plugs (AT, ATM, ATV and DuraMate AHDP)
- IP68 or IP69K Rated (in mated condition), depending on Series

**Applications:** Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy and Agricultural



**EXAMPLE**

Maximum rated current is determined by the combined current across the entire buss. In the 13A example below, various combinations of current can be achieved, but must be limited to a maximum of 13A. See individual datasheets for exact specifications for each part number.



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# HB HYPERBUSS™ AT



## HYPERBUSS™ AT Bussed Receptacles

Available in 2, 4, 6, 8 and 12 position

Amphenol Sine Systems' **HYPERBUSS™ AT Bussed Receptacles** are an environmentally-sealed, multi-pin, heavy duty, plastic, rectangular connector for use in applications where a common "bussed" electrical pathway is required, such as Bussed Feedback Receptacles used as a Splice Block or Tap Block. IP68 rated (in mated condition), the HYPERBUSS™ AT Bussed Receptacles contain an integrated latch to ensure proper mating with standard AT Series™ plugs, as well as industry standard connectors.

**Buss:** a conductor, or a group of conductors, used for collecting electric power from the incoming feeders and distributes them to the outgoing feeders; a type of electrical junction in which all the incoming and outgoing electrical current meets.

### Key Features

- Size 16 contacts
- Sealed Intergrated Bussed Feedback Assembly
- IP68 Rated (in mated condition)
- Included wedgelock confirms contact alignment/retention
- Integrated latch for mating
- Intermateable with standard AT Series™ Plugs



**Applications:** Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy and Agricultural applications

HYPERBUSS™ AT - Specifications (Ref Individual Datasheets)

IP Rating (in mated condition)	IP68
Contact Size	16
Max. Current (Amperage)	13A Each
Operating Temperature	-55°C to +125°C
Coupling System	Integrated Latch
Housing Body	Thermoplastic
Contact Types	Machined

Contact Material	Copper Alloy, Nickel Plated
Bracket	Copper Alloy, Nickel Plated
Sleeves	Aluminum, Black Anodized
Min. Mating Cycles	>100
RoHS Compliant	ALL materials meet the requirements of the European Directive. (See website for documentation)
Approvals	UL ECBT2, UL ECBT8



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HYPERBUSSTM AT Series - 2-12 Position Bussed Receptacles [For intermateable AT Series plugs \(AT06-\), refer to our website](#)

Image	Pin Layout	Part Number	Description	Contact Size	Amperage
	 -P060	AT04-2P-P060	2 Pos, Receptacle, Size 16 Contacts, (1) 2 Pin, Nickel, HYPERBUSSTM AT, Black Body	16	13A (13A Total)
	 -EP13 / -P021	AT04-4P-EP13	4 Pos, Receptacle, Size 16 Contacts, (1) 4 Pin, Nickel, HYPERBUSSTM AT, Black Body	16	13A (26A Total)
		AT04-4P-P021	4 Pos, Receptacle, Size 16 Contacts, (1) 4 Pin, Nickel, HYPERBUSSTM AT, Grey Body	16	13A (26A Total)
	 -EP13 / -P021    -EP14	AT04-6P-EP13	6 Pos, Receptacle, Size 16 Contacts, (1) 6 Pin, Nickel, HYPERBUSSTM AT, Black Body	16	13A (39A Total)
		AT04-6P-P021	6 Pos, Receptacle, Size 16 Contacts, (1) 6 Pin, Nickel, HYPERBUSSTM AT, Grey Body	16	13A (39A Total)
		AT04-6P-EP14	6 Pos, Receptacle, Size 16 Contacts, (2) 3 Pin, Nickel, HYPERBUSSTM AT, Black Body	16	13A (13A Total)
	 -P021    -P026 -P028	AT04-08PA-P021	8 Pos, Receptacle, Size 16 Contacts, (1) 8 Pin, Nickel, HYPERBUSSTM AT, Grey Body	16	13A (52A Total)
		AT04-08PB-P021	8 Pos, Receptacle, Size 16 Contacts, (1) 8 Pin, Nickel, HYPERBUSSTM AT, Keyed B, Black Body	16	13A (52A Total)
		AT04-08PA-P026	8 Pos, Receptacle, Size 16 Contacts, (2) 4 Pin, Nickel, HYPERBUSSTM AT, Keyed A, Grey Body	16	13A (26A Total)
		AT04-08PB-P026	8 Pos, Receptacle, Size 16 Contacts, (2) 4 Pin, Nickel, HYPERBUSSTM AT, Keyed B, Black Body	16	13A (26A Total)
		AT04-08PA-P028	8 Pos, Receptacle, Size 16 Contacts, (1) 3 Pin, (1) 5 Pin, Nickel, HYPERBUSSTM AT, Keyed A, Grey Body	16	13A (39A Total)
		AT04-08PB-P028	8 Pos, Receptacle, Size 16 Contacts, (1) 3 Pin, (1) 5 Pin, Nickel, HYPERBUSSTM AT, Keyed B, Black Body	16	13A (39A Total)
	 -P016 / -P021	AT04-12PA-P016	12 Pos, Receptacle, Size 16 Contacts, (1) 12 Pin, Gold, HYPERBUSSTM AT, Keyed A, Grey Body	16	13A (78A Total)
		AT04-12PB-P016	12 Pos, Receptacle, Size 16 Contacts, (1) 12 Pin, Gold, HYPERBUSSTM AT, Keyed B, Black Body	16	13A (78A Total)
		AT04-12PA-P021	12 Pos, Receptacle, Size 16 Contacts, (1) 12 Pin, Nickel, HYPERBUSSTM AT, Keyed A, Grey Body	16	13A (78A Total)
		AT04-12PB-P021	12 Pos, Receptacle, Size 16 Contacts, (1) 12 Pin, Nickel, HYPERBUSSTM AT, Keyed B, Black Body	16	13A (78A Total)
	 -P026 / -P027	AT04-12PA-P026	12 Pos, Receptacle, Size 16 Contacts, (2) 6 Pin, Nickel, HYPERBUSSTM AT, Keyed A, Grey Body	16	13A (39A Total)
		AT04-12PB-P026	12 Pos, Receptacle, Size 16 Contacts, (2) 6 Pin, Nickel, HYPERBUSSTM AT, Keyed B, Black Body	16	13A (39A Total)
		AT04-12PB-P027	12 Pos, Receptacle, Size 16 Contacts, (2) 6 Pin, Gold, HYPERBUSSTM AT, Keyed B, Black Body	16	13A (39A Total)
	 -P030 / -P031	AT04-12PA-P030	12 Pos, Receptacle, Size 16 Contacts, (4) 3 Pin, Nickel, HYPERBUSSTM AT, Keyed A, Grey Body	16	13A (13A Total)
		AT04-12PB-P030	12 Pos, Receptacle, Size 16 Contacts, (4) 3 Pin, Nickel, HYPERBUSSTM AT, Keyed B, Black Body	16	13A (13A Total)
		AT04-12PA-P031	12 Pos, Receptacle, Size 16 Contacts, (4) 3 Pin, Gold, HYPERBUSSTM AT, Keyed A, Grey Body	16	13A (13A Total)
		AT04-12PB-P031	12 Pos, Receptacle, Size 16 Contacts, (4) 3 Pin, Gold, HYPERBUSSTM AT, Keyed B, Black Body	16	13A (13A Total)
	 -P075	AT04-12PA-P075	12 Pos, Receptacle, Size 16 Contacts, (3) 4 Pin, Nickel, HYPERBUSSTM AT, Keyed A, Grey Body	16	13A (26A Total)



# HB HYPERBUSS™ ATP



## HYPERBUSS™ ATP Bussed Receptacles

Available in 6 position

Amphenol Sine Systems' **HYPERBUSS™ ATP Bussed Receptacles** are an environmentally-sealed, multi-pin, heavy duty, plastic, rectangular connector for use in applications where a common "bussed" electrical pathway is required, such as Bussed Feedback Receptacles used as a Splice Block or Tap Block. With an IP68 rating (in mated condition), the HYPERBUSS™ ATP Bussed Receptacles contain an integrated latch to ensure proper mating with standard ATP Series™ plugs, as well as industry standard connectors.

**Buss:** a conductor, or a group of conductors, used for collecting electric power from the incoming feeders and distributes them to the outgoing feeders; a type of electrical junction in which all the incoming and outgoing electrical current meets.

### Key Features

- Size 12 contacts
- Available Keyed A Buss (Grey) or Keyed B Buss (Black)
- Sealed Integrated Bussed Feedback Assembly
- IP68 Rated (in mated condition)
- Included wedgelock confirms contact alignment/retention
- Integrated latch for mating
- Intermateable with standard ATP Series™ Plugs



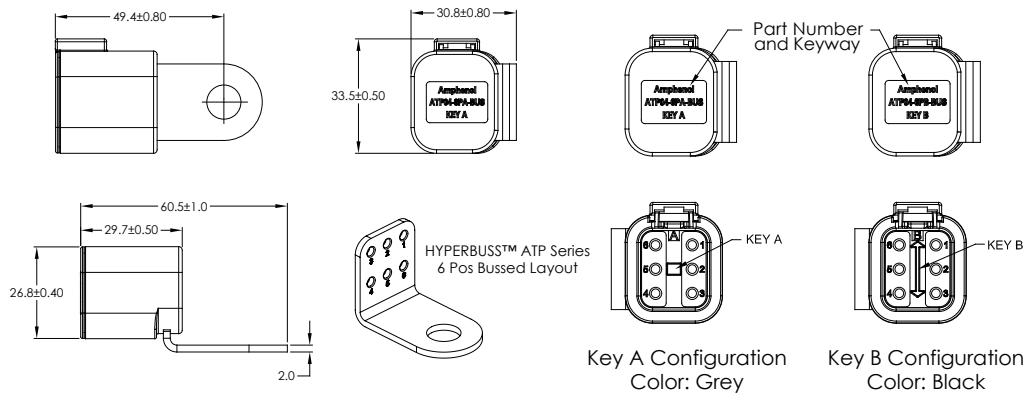
**Applications:** Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy and Agricultural applications

HYPERBUSS™ ATP - Specifications (Reference Individual Datasheets)

IP Rating (in mated condition)	IP68
Contact Size	12
Max. Current (Amperage)	25A Each (150A Max)
Operating Temperature	-55°C to +125°C
Coupling System	Integrated Latch
Housing Body	Thermoplastic
Contact Types	Machined


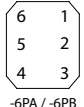
Contact Material	Copper Alloy, Nickel Plated
Bracket	Copper Alloy, Nickel Plated
Sleeves	Aluminum, Black Anodized
Min. Mating Cycles	>100
RoHS Compliant	ALL materials meet the requirements of the European Directive. (See website for documentation)
Pending Approvals	UL ECBT2, UL ECBT8

HYPERBUSS™ ATP - 6 Position Bussed Receptacle Dimensions (mm)

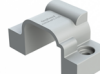


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HYPERBUSSTM ATP Series - 6 Position Bussed Receptacles [For intermateable ATP Series plugs \(ATP06-\), refer to our website](#)

Image	Pin Layout/Image	Part Number	Description	Contact Size	Amperage
		ATP04-6PA-BUS	6 Position, Receptacle, Size 12 Contacts, (1) 6 Pin, HYPERBUSSTM ATP, Keyed A, Grey Body	12	25A (150A Total)
		ATP04-6PB-BUS	6 Position, Receptacle, Size 12 Contacts, (1) 6 Pin, HYPERBUSSTM ATP, Keyed B, Black Body	12	25A (150A Total)

HYPERBUSSTM ATP SeriesTM - 6 Position Accessory

Image	Part Number	Description	Contact Size	Amperage
	ATP04-6PX-TYD	6 Position, Receptacle Tie Down, HYPERBUSSTM ATP, Gray Body For use with HYPERBUSSTM ATP Receptacle: ATP04-6PA/B-BUS	-	-



# HB HYPERBUSS™ ATV



## HYPERBUSS™ ATV Bussed Receptacles

### Available in 18 position

Amphenol Sine Systems' **HYPERBUSS™ ATV Bussed Receptacles** are an environmentally-sealed, multi-pin, heavy duty, plastic, rectangular connector for use in applications where a common "bussed" electrical pathway is required, such as Bussed Feedback Receptacles used as a Splice Block or Tap Block. IP68 rated (in mated condition), the HYPERBUSS™ ATV Bussed Receptacles contain an integrated latch to ensure proper mating with standard ATV Series™ plugs, as well as industry standard connectors.

**Buss:** a conductor, or a group of conductors, used for collecting electric power from the incoming feeders and distributes them to the outgoing feeders; a type of electrical junction in which all the incoming and outgoing electrical current meets.

### Key Features

- Size 16 contacts
- Available Keyed A Buss (Grey) or Keyed B Buss (Black)
- Sealed Intergrated Bussed Feedback Assembly
- IP68 Rated (in mated condition)
- Included wedgelock confirms contact alignment/retention
- Integrated latch for mating
- Intermateable with standard ATV Series™ Plugs



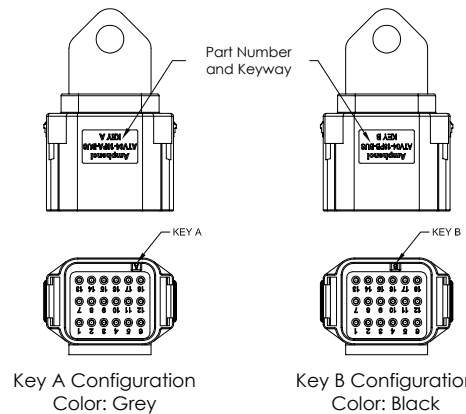
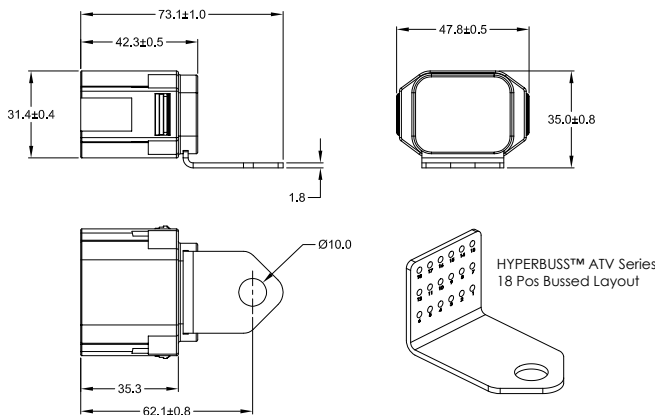
**Applications:** Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy and Agricultural applications

HYPERBUSS™ ATV Series - Specifications (Reference Individual Datasheets)

IP Rating (in mated condition)	IP68
Contact Size	16
Max. Current (Amperage)	13A Each (234A Max)
Operating Temperature	-55°C to +125°C
Coupling System	Integrated Latch
Housing Body	Thermoplastic
Contact Types	Machined



Contact Material	Copper Alloy, Nickel Plated
Bracket	Copper Alloy, Nickel Plated
Sleeves	Aluminum, Black Anodized
Min. Mating Cycles	>100
RoHS Compliant	ALL materials meet the requirements of the European Directive. (See website for documentation)
Approvals	UL ECBT2, UL ECBT8

HYPERBUSS™ ATV Series - 18 Position Bussed Receptacle Dimensions (mm)

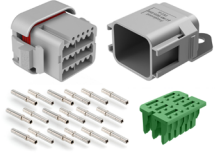



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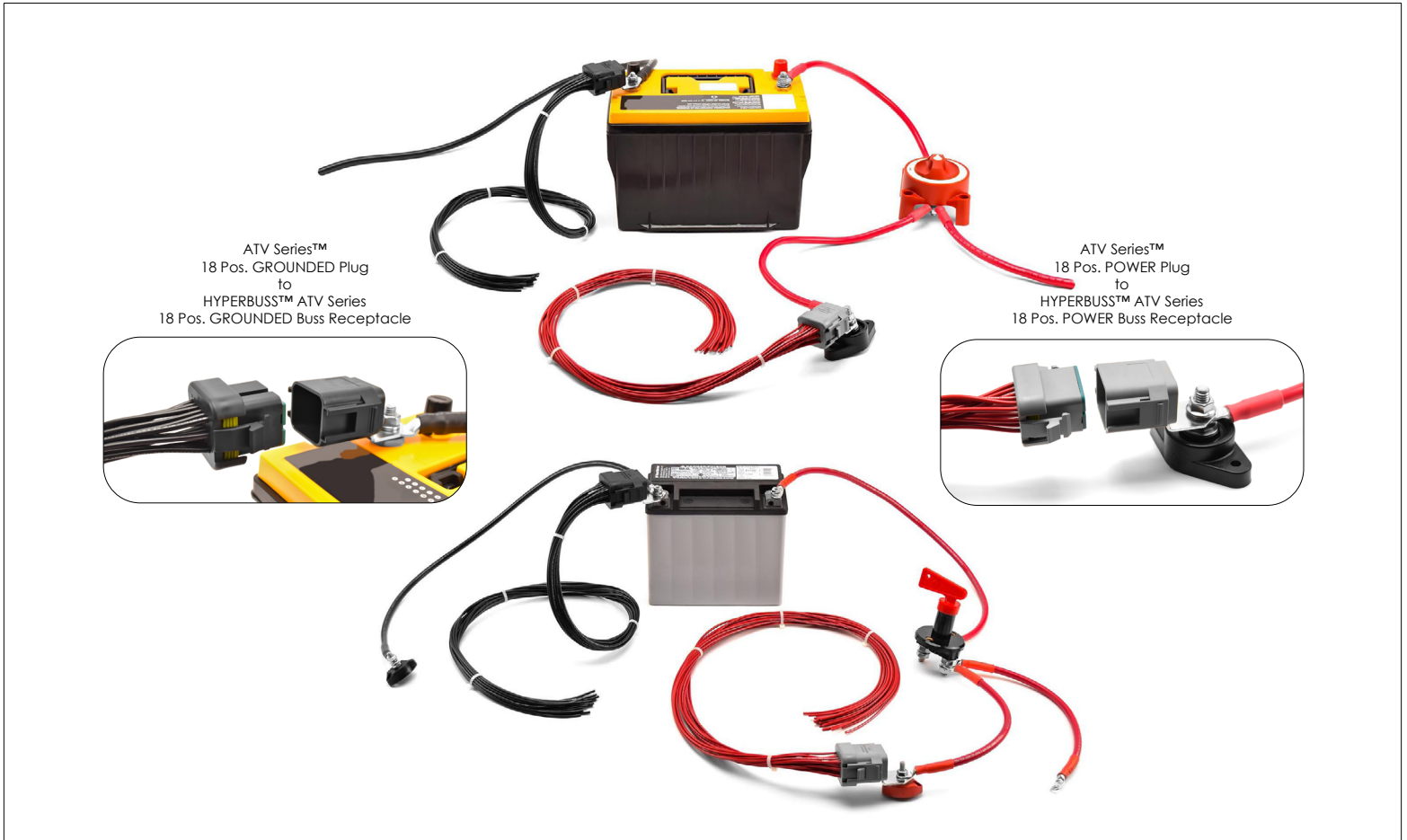
HYPERBUS™ ATV Series - 18 Position Bussed Receptacles [For intermateable ATV Series plugs \(ATV06-\), refer to our website](#)

Image	Pin Layout/Image	Part Number	Description	Contact Size	Amperage
		ATV04-18PA-BUS	18 Position, Receptacle, Size 16 Contacts, (1) 18 Pin, HYPERBUS™ ATV, Key A, Grey Body	16	13A (230A Total)
		ATV04-18PB-BUS	18 Position, Receptacle, Size 16 Contacts, (1) 18 Pin, HYPERBUS™ ATV, Key B, Black Body	16	13A (230A Total)

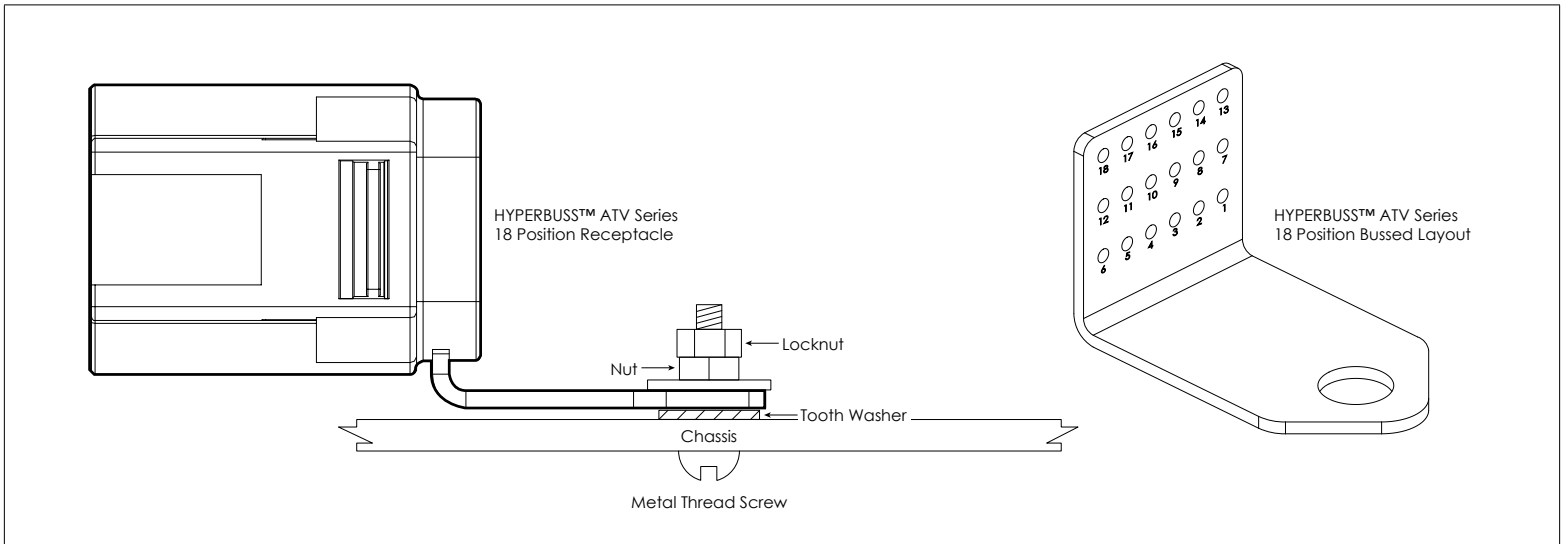
HYPERBUS™ ATV Series - 18 Position Bussed Receptacle Kits

Image	Part Number	Description	Contact Size	Amperage
	ATV46-18PSA-BUSCKIT	KIT: 18 Position, HYPERBUS™ ATV Series, Keyed A Contains: (1) 18 Position, Receptacle, HYPERBUS™ ATV, Key A, Grey Body Contains: (1) 18 Position, Plug, ATV Series™, Key A, Grey Body	16	13A (230A Total)
	ATV46-18PSB-BUSCKIT	KIT: 18 Position, HYPERBUS™ ATV Series, Keyed B Contains: (1) 18 Position, Receptacle, HYPERBUS™ ATV, Key B, Black Body Contains: (1) 18 Position, Plug, ATV Series™, Key B, Black Body	16	13A (230A Total)

HYPERBUS™ ATV Series - Sample Architecture: Plug and Play Battery GROUND/Battery POWER Buss System



HYPERBUS™ ATV Series - Sample Architecture: Plug and Play Chassis GROUND Buss System







# DM DuraMate™ AHDP with HYPERBUSS™



## DuraMate™ AHDP Bussed Receptacles

Available in 16 position

Amphenol Sine Systems' **DuraMate™ AHDP with HYPERBUSS™ Bussed Receptacles** are an environmentally-sealed, multi-pin, heavy duty, plastic, circular connector for use in applications where a common "bussed" electrical pathway is required, such as Bussed Feedback Receptacles used as a Splice Block or Tap Block. IP68 and IP69K rated (in mated condition), the DuraMate™ AHDP with HYPERBUSS™ Bussed Receptacles contain an economical, quick-connect, circular, bayonet locking system to ensure proper mating with standard DuraMate™ AHDP plugs, as well as industry standard connectors,

**Buss:** a conductor, or a group of conductors, used for collecting electric power from the incoming feeders and distributes them to the outgoing feeders; a type of electrical junction in which all the incoming and outgoing electrical current meets.

### Key Features

- Includes Bolt, Nut and Washers
- Available in Power (Red) or Ground (Black)
- Sealed (potted) Intergrated Bussed Feedback Assembly
- IP68 and IP69K rated (in mated condition)
- Quick-connect, circular, bayonet coupling system
- Intermateable with standard DuraMate™ AHDP plugs

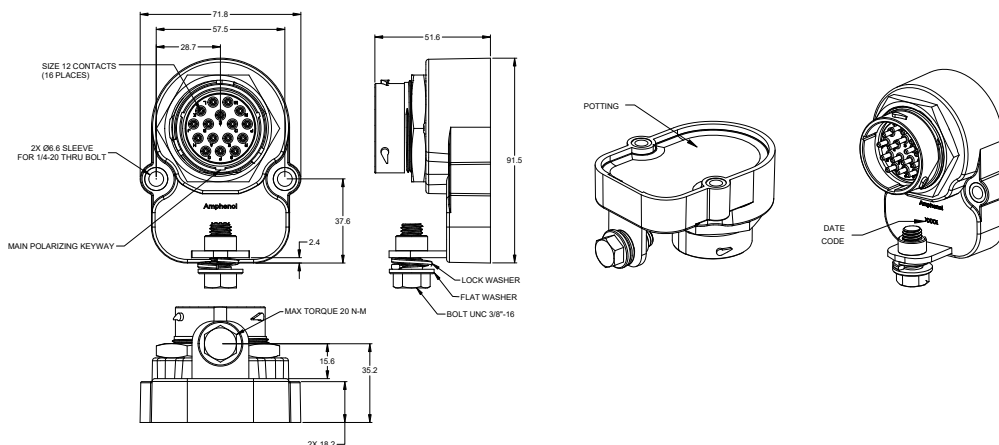


**Applications:** Heavy Duty, Transportation, Marine, Military, Alternative Energy, Agricultural and other interconnect

DuraMate™ AHDP with HYPERBUSS™ - Specifications (Ref Individual Datasheets)



IP Rating (in mated condition)	IP68 and IP69K	Contact Material	Copper Alloy, Nickel Plated
Contact Size	12	Bracket	Copper Alloy, Nickel Plated
Max. Current (Amperage)	25A Each (400A Max)	Sleeves	Aluminum, Black Anodized
Operating Temperature	-55°C to +125°C	Min. Mating Cycles	>100
Coupling System	Quick-Connect, Circular Bayonet	RoHS Compliant	ALL materials meet the requirements of the European Directive. (See website for documentation)
Housing Body	Thermoplastic	Approvals	-
Contact Types	Machined		

DuraMate™ AHDP with HYPERBUSS™ - 16 Position Bussed Receptacle Dimensions (mm)



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DuraMate™ AHDP with HYPERBUSS™ - 16 Position Bussed Receptacles [For intermateable DuraMate™ AHDP Series plugs \(AHDP06-\), refer to our website](#)

Image	Pin Layout/Image	Part Number	Description	Contact Size	Amperage
	 <p>-18PA/-18PB</p>	AHDPH04-24-16P-BLK-CN	Shell Size 24, 16 Position, Receptacle, Size 12 Contacts, (1) 16 Pin (400A), DuraMate™ AHDP with HYPERBUSS™, Plastic, Potted, Black Body (Includes bolt, nut and washers)	12	25A (400A Max)
		AHDPH04-24-16P-RED-CN	Shell Size 24, 16 Position, Receptacle, Size 12 Contacts, (1) 16 Pin (400A), DuraMate™ AHDP with HYPERBUSS™, Plastic, Potted, Red Body (Includes bolt, nut and washers)	12	25A (400A Max)