

Amphenol Aerospace Series Five Connectors

BRIDGING GAPS • DELIVERING PERFORMANCE • STANDING TOUGH

Amphenol Aerospace’s Series Five connectors are lightweight circular connectors for rugged military, aerospace and harsh environment applications such as drones, satellites, spacecraft, and portable defense systems. A fully redesigned successor of the original MIL-DTL-38999 connectors, Series Five is smaller, stronger, and more capable of meeting the 21st century’s shifting, rigorous demands.

SMALLER

LIGHTER

SUPERIOR

SIZE COMPARISON USING SHELLS WITH THE SAME CONTACT COUNT

SERIES FIVE	2M805	D38999, SERIES III
25-50% LIGHTER SMALLEST	15% BIGGER	20% BIGGER

Here’s why these connectors are best in class.

TINIER

The 20% smaller connector surface area better serves high-density and higher-voltage applications.

LIGHTER

Because they’re up to 50% lighter, these connectors fit well into weight-sensitive military and aerospace platforms.

MIGHTIER

Higher-voltage capabilities boost performance in harsh environments.

SCOOP-PROOF

Damage-preventing pin design means mating is neat and the connectors are fully compatible with existing M39029 contacts.

STANDARDIZED

Series Five uses standard accessory threads for M85049 backshells.

CONDUCTIVE

Series Five connectors meet every applicable electrical and environmental performance requirement of MIL-DTL-38999 and meet higher temperature and vibration requirements than 2M connectors.

VERSATILE

With shell sizes ranging from 8–24, Series Five serves uncrewed vehicles (drones), military vehicles, satellites, and C5ISR applications that require maximum power density without standard-sized connectors’ bulkiness.

Series Five is a custom interconnect series that, wherever, and whenever possible, uses military-qualified components, such as M39029 contact part numbers. Based on the contact count-to-largest-coupling-nut-diameter ratio, Series Five connectors are larger than 2M801 connectors, but smaller than 2M805 connectors. This means Series Five is a denser circular connector than 2M that performs better.

Size makes a difference.



Learn More About Amphenol Aerospace Solutions

AMPHENOL AEROSPACE gets you connected. We design and manufacture QPL mil-spec and custom electronic connectors for the military and aerospace industries, along with electrical and fiber-optic cable assemblies; media converters and Ethernet switches; high-power and high voltage connectors; EMI/EMP filter connectors; and hermetically sealed connectors.

Powell is a proud distributor of Amphenol technology solutions.