

Delta Electronics Mfg. Corp. is a global leader in high-performance RF, microwave, and millimeter wave interconnect solutions. Since 1955, Delta has combined advanced technology, vertical integration, and lean manufacturing to deliver precision components for mission-critical applications in aerospace, defense, telecom, and industrial markets. With certified facilities in the U.S. and China, Delta ensures consistent quality across its global operations. Their product range spans DC to 65 GHz+, including custom assemblies and connectorized housings.



Miniature connectors



SMP, SMPM, SMP3

SMP, SMPM, and SMP3 connectors are excellent choices for PCB-to-PCB and module-to-module interconnects. Their interface designs ensure minimal electrical degradation, even in cases of maximum misalignment.



Threaded RF

Delta's threaded SMP-T, SMPM-T, and SMP3-T series are ideal for launch vehicle applications, including hypersonics, satellites, military and commercial aircraft, antenna systems, transportable electronic equipment.



Gang mounts

Aiming to improve the position of blindmate RF interfaces on PCB or backplane? The ganged RF design solutions are ideal for blind-mate applications like cable-to-board, cable-to-cable, and board-to-board mechanical configurations.



SMA + SMA 26.5–27 GHz

Delta's SMA series connectors are subminiature, precision 50-ohm connectors with a 1/4"-36 threaded coupling. They are ideal for high-frequency semi-rigid cable applications up to 18 GHz, with extended versions supporting up to 27 GHz.



SMK – 2.92 mm

These connectors offer a maximum VSWR of 1.15:1 for cable connectors from DC to 18 GHz, and 1.3:1 from 18 to 40 GHz. For receptacles and adapters, the maximum VSWR is 1.15:1 from DC to 18 GHz and 1.25:1 from 18 to 40 GHz.



MIL-PRF-39012 QPL-listed

Connectors and MIL-PRF-55339 QPL-listed adapters are categorized based on their cable assembly method: Categories A, B, C, and D. Various options are available—please refer to the catalog for details.



Color coded adapters

Are designed for use with small coaxial connectors: 1.0, 1.85, 2.4 and 2.92 mm. The color coding by the connector type reduces wear on the connectors, minimizing signal degradation in high-frequency applications such as test equipment.



Color coded cables

Delta's Precision Test Cables are inspected in accordance with IPC/WHMA-A-620, Class 3 requirements. Each cable is 100% tested for VSWR and Insertion Loss up to its maximum operating frequency.



Delta

We put our customers and their needs first, so when you work with us, you get what you need when you need it, delivered with an unparalleled level of quality and service.

**For further information
please scan the QR code
below...**



Various

From DC to millimeter-wave, Delta has the in-house expertise and solutions to meet your needs. Whether it's MCX, MMCX, BMMA, or VITA 67, no connector solution is too unusual for Delta. We also never obsolete parts—providing engineers and procurement teams with the confidence of long-term support for their designs.

Delta is approachable

Delta's engineering team – including drafters, application and design engineers, and the Director – is available to support you. Whether you need minor adjustments or complete customization, they're here to help.

Virtual design review

Delta uses tools like 2D/3D modeling and ANSYS® HFSS to propose virtual designs early in the process, helping you make informed decisions with supporting data.

Product value integration

Beyond interconnects, Delta offers vertically integrated solutions and flexible manufacturing – from new machinery to custom connector housings – to enhance product value.

Verification to validation

Delta supports you through the full design process with application reviews and comprehensive testing to ensure successful product implementation.



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