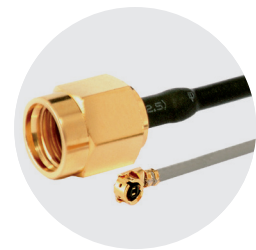


Delta Electronics Mfg. Corp. is a leading global provider of innovative RF, microwave and millimeter wave interconnect solutions. Since its foundation in 1955, Delta has embraced advanced technologies and pioneered new approaches to precision manufacturing. From avionics to audio, radar to robotics, telecom to testing, Delta delivers precision interconnect and innovative solutions to a broad range of industries where reliability, performance, and durability are of paramount importance. Delta products are found in mission critical systems and platforms including homeland security, border control and NATO. Delta is an AS9100D / ISO 9001-2015 certified company and follows a Lean Manufacturing / Six Sigma policy strict quality control system across their manufacturing plants and global operations.



## RF / microwave interconnects



### Connectors

Delta offers a full range of interconnect covering all size ranges within the frequency/band spectrum from DC-65 GHz and beyond:

- over 80 series of connectors
- over 35,000 parts
- over 200 QPL versions
- High Power interfaces
- Precision interfaces
- Hermetic interfaces
- Micro miniature interfaces
- full complement of adapters, covers, keying baskets and other accessories

### Cables

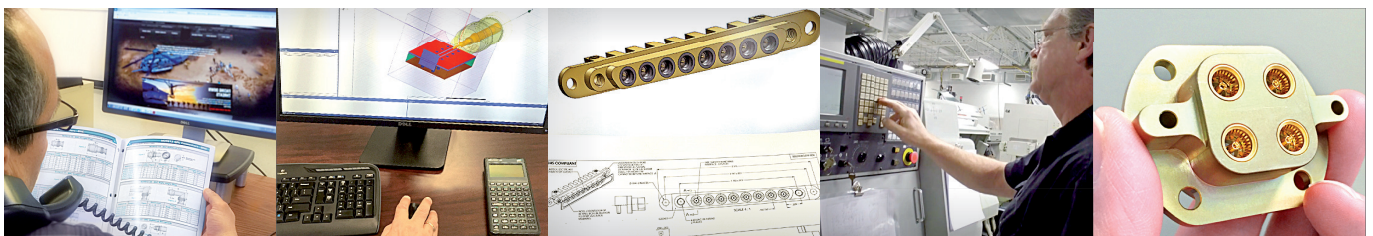
Delta has the capability and capacity to offer cable assemblies supporting demanding performance requirements and to supply finished, tested assemblies, ready to be integrated into customers' products

Cable Assembly Types include:

- RF-Flexible, Semi-Rigid, Semi-Flex. (Conformable)
- Test-Cables, High-Performance flexible for all test environments
- Delay Lines
- Multi-Pin Harness capability

Cable Assembly Testing Capabilities include:

- Insertion / Return Loss
- Phase Matching
- PIM



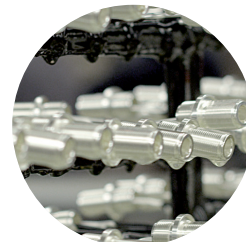
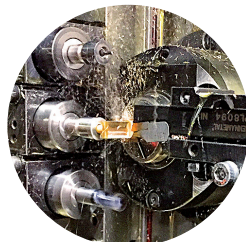


### Vertical integration

Delta offers true vertical integration transforming raw materials into fully finished product, including plating and assembly, on site. Having full control over all stages of the manufacturing processes allows us to provide our customers with the highest level of quality and makes us agile, efficient and highly adaptive. For our customers, this means cost-effective, flexible manufacturing solutions in an ever-changing marketplace:

- application/design consultation
- 2D & 3D Modeling
- ANSYS® HFSS Models
- precision CNC turning
- precision milling
- heat treating

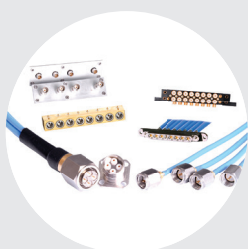
- electroplating (fully-automated and robotically controlled: including Gold, Silver, Albaloy, Nickel, Copper underplate, Sulfamate Nickel underplate, options of black "night" plating, Passivate)
- assembly
- testing
- packaging
- shipping



### Application Specific Solutions / Customized Standards / Innovations

Delta encourages customers to take a white-board approach to their design considerations. From modified dielectrics and pin lengths, to material and plating specifications, whether it's a dimensional change to accommodate fit and interference or a complete improved configuration to support demanding performance criteria. Delta will work closely with customers to fully, or partially, customized products and solutions. The entire engineering team at Delta is available and reachable to allow you design with flexibility.

**Customization is seamless, easy and affordable at Delta: Delta delivers the difference!**

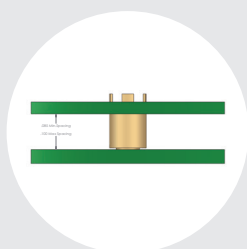


### Ganged Solutions

When alignment or space are the challenge in blind mate RF interfaces, multi-port housings can be designed in restricted packages and tight alignments:

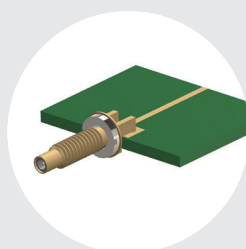
- any termination type, such as PCB, edge, surface or cable mount
- sealed interfaces & mounting hardware as needed

A stackable modular system in 2, 4, 8 or 16 position blocks is also available.



### Board-to-Board Interconnects

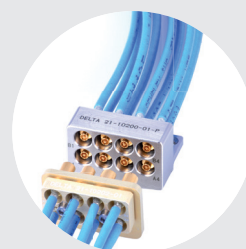
They can be based on micro-miniature series (like SMP, SMPM, SMPS or our custom M-BTB interconnects) to allow extremely low profile designs (down to .085"/2.1mm board-to-board-spacing) with excellent performance in fully mated condition and low insertion/withdrawal forces where required



### Snake Bites

This design is the solution for edge mount interconnects:

- suitable for multiple board thicknesses
- low-profile
- prevents fracturing of solder joints in panel-mount configurations
- holds true position during soldering
- sealed interfaces & bulkhead mounts as needed
- available for several interconnect series



### Vita 67 Backplane Solutions

They are RF interconnects for the OpenVPX™ architecture:

- VITA 67.1 and 67.2: 4 and 8 position housings
- VITA 67.3: reversed gender, multi-port housings for plug-in carriers
- based on SMPM contacts able to operate to 40 GHz
- available for both daughter-board and mother-board applications
- stainless steel or aluminum
- fully or selectively loaded