

# Cable Assemblies And Value- Added Services



**DELTA**  
ELECTRONICS MFG. CORP.

→ *Connect Here.*

(978) 927-1060

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

**Click to see:**

**Cable Assemblies  
The Cable Designer  
Other Value-Added  
About Delta**



ISO 9001:2008  
CERTIFIED

ROHS  
COMPLIANT

SOMWBA  
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CERTIFIED

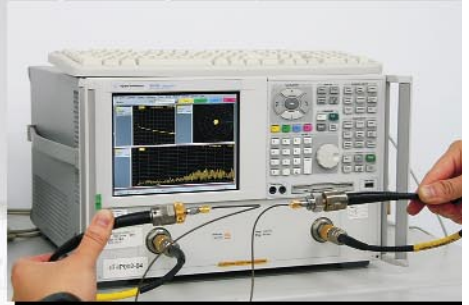
# The engineering, production, and testing expertise to ensure that you get the best product possible, first time and every time...

We've been making first-class RF, microwave, and millimeter-wave connectors for over fifty years, so we know performance.

Our global expansion of manufacturing facilities gives us the capability to offer you cable assemblies with the exact characteristics you need:

## Cable Assembly Types:

- All requirements: High-Volume, Low-Cost to High-Performance, Low-Volume
- Cable sizes from microminiature to large, high-power types.
- Flexible, Semi-Rigid (straight or formed to your requirements), and hand-formable cable with 100% Shielding
- High-Performance flexible cable for Test & Measurement Equipment



SMA right angle plugs; .085" semi-rigid cable; bent to final configuration.

BNC 75-ohm waterproof bulkhead jack to right-angle MCX plug; RG-179 cable.

Right-angle MC-Card plug; pigtailed micro-miniature cable.



MMCX right-angle jack to MMCX jack; RG-178 cable.



# The facilities, experience, processes, and people to provide the products you need to streamline your production...



SMA right-angle plugs; hand-formable .141" cable.



SMA panel jack; pigtailed .047" semi-rigid cable.



Why devote your resources to making cable assemblies, when Delta can supply finished, tested assemblies, ready to integrate into your products?

## Assemblies for all applications:

- Telecom & Networking
- Test & Measurement
- Medical
- Automotive
- Military (Incorporating QPL connectors from our extensive line of MIL-PRF-39012-qualified types)
- Radar & Communications
- Consumer Electronics



N bulkhead jack to SMA right-angle plug; RG-316 cable.



TPS bulkhead jack to SSMA plug; RG-178 cable

I-PEX MHF-1 to MMCX jack; 1.32 mm mini cable.

N PressMount jack; pigtailed .085" hand-formable cable.

1.0/2.3 jack; pigtailed RG-316 cable.

# Because we know your time has value...

Our website offers you the *Cable Assembly Designer*, the easiest, fastest way to draw and specify cable assemblies. Just click on the connector pictures (with three configurations in each of seven series, or specify a different series), enter your requirements in the form, and you're done! You can also attach your own drawings if needed.

When you submit the form, you'll receive a confirmation via e-mail (with the drawing and form information), and our sales department will send you a quick quotation.

And the *Cable Assembly Designer* works from right within your browser; no downloads, plug-ins, or other special software to deal with!

**THE CABLE ASSEMBLY DESIGNER—Semi-Rigid Cable**

Select connector series and body style from the menus below, enter your requirements in the form, and attach files (pdf format only) if necessary. When you click the "Submit" button, your RFQ and drawing will be sent to us via e-mail, and they will reply promptly with a quotation. You will also receive an e-mail confirmation with your drawing and specifications.

Left end connector series: **BNC MCX N QMA SMA TNC Other Series** Right end connector series: **BNC MCX N QMA SMA TNC Other Series**

1) Specify Cable:  
MIL number, manufacturer and part number, or description: \_\_\_\_\_  
Or select by type: **Hand-formable semi-rigid** Maximum Diameter: **.100 (2.5 mm)**  
Length: **12.75** inches mm Tolerance:  $\pm .125$

2) Specify Connectors:  
Left connector type: **TNC right angle plug**  
Left connector body plating:  Gold  Nickel  Silver  Passivated Left connector contact plating:  Gold  Silver  
Right connector type: **QMA bulkhead jack**  
Right connector body plating:  Gold  Nickel  Silver  Passivated Right connector contact plating:  Gold  Silver

3) Specify Markers:  
Marker 1 color: **Red** Marker 1 text: **P122** Marker 1 text color: **White**  
Marker 2 color: **White** Marker 2 text: **ASY TQ57-1** Marker 2 text color: **Red**  
Marker 3 color: **Blue** Marker 3 text: **J6977** Marker 3 text color: **Black**

4) Electrical Requirements / Testing:  
 VSWR, max.: **1.15:1** at frequency: **1.5 GHz**  Attenuation, max.: **.45 dB** at frequency: **600 MHz**  
 Other testing: **100% continuity / 500 v hipot**

5) Request for Quotation and Contact Information: (\* Information in red text is required)  
\*Quantity (of more than one, separate with commas): **100, 250, 500** \*Delivery Required: **8 weeks ARO**  
Target price: **\$17.50** Your part number: **ASY TQ57-1** Your RFQ number: **11221979**  
\*Name: **Ima N. Gineer** \*Company: **High-Quality Electronics** \*Address: **3421 Hi-Qual Drive**  
\*City: **Maple City** \*State / Province: **TX** \*Zip / Postcode: **33033**  
\*Phone: **987-654-3210** \*email: **igineer@hqial.com**

Other requirements or notes: \_\_\_\_\_  
Package individually in MIL-STD-444 antistatic bags; ship 50 per box.

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## Only at [www.DeltaRF.com](http://www.DeltaRF.com)

**THE CONNECTOR DESIGNER—TNC Bulkhead (Front Mount)**

Select from the available mounting types below to start assembling your custom TNC connector. Then fill out the form and click the "Submit" button to send your RFQ.

Click the icon as applicable for a popup window with application information. Note: Not all configurations will show all electrical dimension performance values in the form below.

1) Select Mounting Type:  
**Front Mount—No Mounting Jacket** **Front Mount—With Mounting Jacket**

2) Specify Connector:  
Mounting Type: **Front Mount—With Mounting Jacket**  
Plating:  Gold  Nickel  Silver  Passivated  
Contact Plating:  Gold  Silver

3) Specify Dimensions:  
Dimension A: **.125** Dimension B: **.125** Dimension C: **.125**  
Dimension D: **.125** Dimension E: **.125** Dimension F: **.125**  
Dimension G: **.125** Dimension H: **.125** Dimension I: **.125**  
Dimension J: **.125** Dimension K: **.125** Dimension L: **.125**  
Dimension M: **.125** Dimension N: **.125** Dimension O: **.125**  
Dimension P: **.125** Dimension Q: **.125** Dimension R: **.125**  
Dimension S: **.125** Dimension T: **.125** Dimension U: **.125**  
Dimension V: **.125** Dimension W: **.125** Dimension X: **.125**  
Dimension Y: **.125** Dimension Z: **.125**

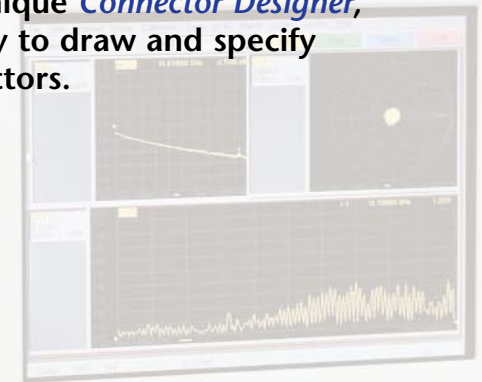
4) Specify Material:  
Body material:  Brass  Stainless Steel  
Plating:  Gold  Nickel  Silver  Alloy  Passivated  
Contact plating:  Gold  Silver

5) Request for Quotation and Contact Information: (\* All fields below are mandatory):  
Quantity (of more than one, separate with commas): **100, 250, 500** \*Delivery Required: **8 weeks ARO**  
Name: **Ima N. Gineer** \*Company: **High-Quality Electronics** \*Address: **3421 Hi-Qual Drive**  
City: **Maple City** \*State / Province: **TX** \*Zip / Postcode: **33033**  
\*Phone: **987-654-3210** \*email: **igineer@hqial.com**

Other requirements or notes: \_\_\_\_\_  
Package individually in MIL-STD-444 antistatic bags; ship 50 per box.

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Also try our unique *Connector Designer*, the easiest way to draw and specify custom connectors.



IT-IP002-04

## Other value-added services...

## What can we do for you today?

Our Value-Added services don't stop at just cable assemblies; we can offer a wide range of component-level integration using our connectors, saving you time and cost in your own assembly process:

### Sample Value-Added Services:

- Connectorized attenuator housings
- Connectorized filter housings
- Custom-machined, connectorized housings for almost any component
- In-house electroplating to military or commercial specification, on our new state-of-the-art, environmentally-friendly, automated plating line
- Connectorized antenna assemblies and transmission lines
- Whatever else you need to let us help you build your products more efficiently and cost-effectively. Just give us a call with your requirements.

Attenuator housing, 1-piece machined body; SMA plug to SMA jack.

N panel jack receptacle; pretinned contact; modified flange bosses and grounding ring.

SMA panel jack receptacle; pretinned contact.

SMA right-angle PCB receptacle; pretinned legs and contact.

Attenuator housing, 1-piece machined body; N plug to N jack.



Headquarters, engineering, and production In Beverly, MA, USA.  
Additional manufacturing facilities in Nanjing, China.



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# About Delta Electronics

Manufacturing Corporation

ISO9001:2008 Certified

From our early New England roots to our current global manufacturing presence, we have consistently grown with, and adapted to, the ever-changing requirements of the coaxial connector market. Beginning as a small manufacturer of UHF-frequency connectors, our growth in product lines and manufacturing capability now positions us as a premier connector supplier, with one of the broadest ranges of products in the industry.

Along with our product-line expansion, we recognized the need to keep pace with innovations such as Lean Manufacturing, precision CNC turning centers, and sophisticated CAD/CAM and HFSS design-modeling software, all geared toward providing our customers the highest-quality products available, with quick delivery and competitive prices.

As the connector market expanded in scope worldwide, we responded by developing a global presence to better serve the needs of our customers, both domestic and international.

Our wholly-owned subsidiary in Nanjing, China provides unmatched capability to meet customer requirements, particularly for low-cost, high-volume connector types.

In recognition of our customers' need to streamline their processes, we have launched our "Value Added" services, providing finished cable assemblies and integrated connectorized components that help our customers optimize their production and eliminate overhead.

Another "Value-Added" service is our new, fully-automated electroplating facility, incorporating robotic handling and computerized process controls and testing, increasing our capability to perform contract plating of a wide variety of component parts with the same quality and consistency featured on our connectors.

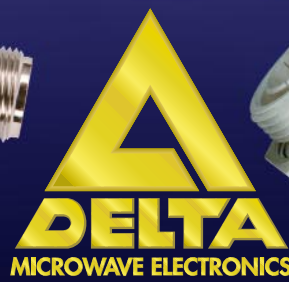
Call us for all your coaxial connector needs—we make over 70 different series to match your requirements exactly, including:

- 1.0/2.3 • 7/16 • Adapters Between Series\* • BMA • BMMA • BNC\*
- BNC Push-on • C • Cable assemblies • E-Line Brass SMA • GHV
- GR874 • HN • LC-LT • MC-Card • MCX • MMCX • MHV • N\* • QDS
- QDL • QMA • SC • SM • SMA\* • SMA 26.5 GHz • SMA 27 GHz
- SMB • SMC • SMD • SMK (2.92 MM) • SMP • SSMC • TNC\*
- TPS • Triaxial BNC, C, N, TNC • Twinax BNC, HN, TNC
- Twinax HV • Twinax 3/4-20 • 75Ω BNC, TNC
- 70Ω N • UHF

\*M39012/M55339 QPL available.



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