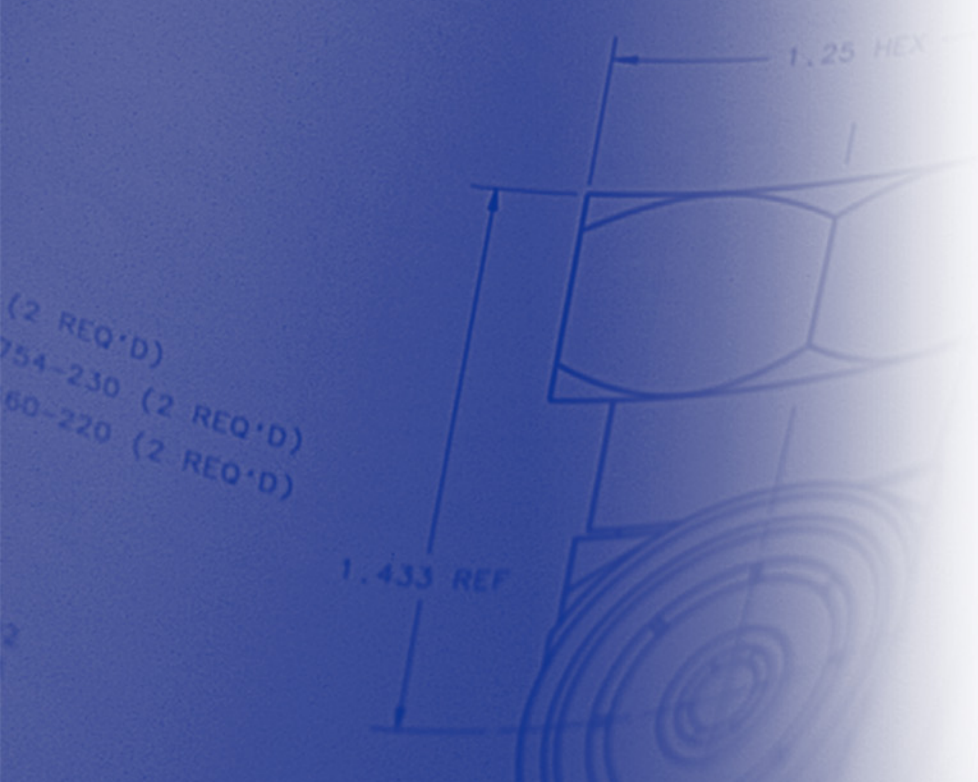




# QC Series



# QC Series



*The Custom Interconnect Leader*



# The Custom Interconnect Leader

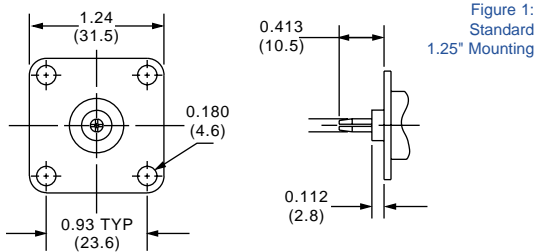


Figure 1:  
Standard  
1.25" Mounting

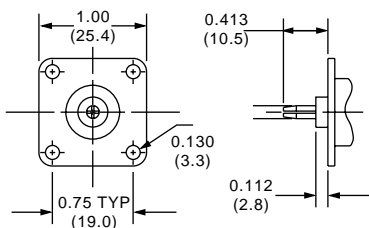


Figure 2:  
Optional  
1" Mounting

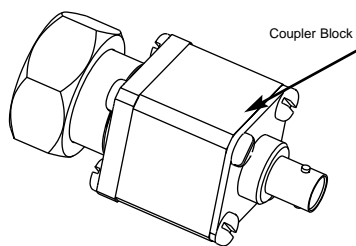


Figure 3:  
Male to Female  
Adapter

TRU Corporation offers QC Series connectors for military and commercial customers with a wide variety of custom and standard RF coaxial solutions. These "quick change" RF connectors are designed for use with high power testing and monitoring equipment, specifically wattmeters. With these connectors, on-site connector changes are done simply by removing the screws from the base plate and attaching the connector style that matches the equipment you're testing. As a result of the consistent QC end, changes can be made without affecting the consistency of test results. They represent a quick and easy way to match your testers and equipment without performance degrading adapters. Standard mounting panels are 1.25" square (figure 1). Special 1" panel version (figure 2) are also available for the following models: UHF, BNC, N, and TNC. (See drawings inside for model numbers.) Other models are available with 1" panel, per customer request. Inter-series adapters can be made by combining QC adapters with the female-to-female coupler block (figure 3). Additional custom configurations can also be designed and manufactured. Contact TRU for a manufacturer's cross-reference list.

For leading-edge engineering and custom product designs, look to TRU. Since 1951, we have been providing our customers with quality and cost effective solutions for all of their interconnect applications. We maintain the highest quality standards and manufacture all our products at our modern facility located in Peabody, Massachusetts. Contact your Customer Service Representative today or visit [www.trucorporation.com](http://www.trucorporation.com) to see why we are "The Custom Interconnect Leader".

Please note that the products displayed are only a sampling of our designs.

## ELECTRICAL

Nominal Impedance: 50 ohms  
 Frequency Range: DC to 7 GHz  
 Voltage Rating: 2,700 volts rms  
 Dielectric Withstanding Voltage: 4,000 volts rms  
 Insulation Resistance: 10,000 megohms  
 VSWR: 1.30 max DC-7GHz  
 Intermodulation: -155 dBc

## MECHANICAL

Mating Characteristics: per IEC 169-4 or DIN 47223 as applicable.  
 Connector Durability: 500 cycles min.  
 Cable Attachment: Clamp

## ENVIRONMENTAL

Temperature Range: -85°F to +329°F (-65°C to +165°C)  
 Vibration: MIL-STD-202 Method 204 (Test Cond. B)  
 Shock: MIL-STD-202 Method 213 (Test Cond. 1)  
 Moisture Resistance: MIL-STD-202 Method 106  
 Corrosion (salt spray): MIL-STD-202 Method 101 (Test Cond.B)

## MATERIAL / FINISHES

Body: Brass, Silver or Nickel Plated  
 Contacts (Inner):  
 Female: Beryllium Copper, Silver or Gold Plated  
 Male: Brass, Silver or Gold Plated  
 Contacts (Outer): Brass, Silver or Nickel Plated  
 Beryllium, Silver or Nickel  
 Contacts (Slotted): Plated  
 Insulators: Teflon  
 Gaskets & Seals: Silicone Rubber

Features listed are typical and may vary depending upon cable selection and application.

Please note that bold model numbers represent the product as shown.

Custom connectors can be manufactured to your own specifications.



Please note that the products displayed are only a sampling of our designs.

Build Your Own Connector at [www.trucorporation.com](http://www.trucorporation.com)



The Custom Interconnect Leader

Connection Type	Model
QC Male to N Female	TRU-4453
w/1" Panel TRU-7898	
QC Male to HN Female	TRU-4996
QC Male to UHF Female	TRU-3486
w/1" Panel TRU-4747	
QC Male To C Female	TRU-4998

Connection Type	Model
QC Male to N Male	TRU-4454
w/1" Panel TRU-7899	
QC Male to HN Male	TRU-4995
QC Male to UHF Male	TRU-4457
QC Male To C Male	TRU-4456





The Custom Interconnect Leader

Connection Type	Model
QC Male to SC Female	TRU-5517
QC Male to QDS Female	TRU-6933
QC Male to BNC Female	TRU-5898
w/1" Panel TRU-7880	
QC Male to TNC Female	TRU-4459
w/1" Panel TRU-7900	

Connection Type	Model
QC Male to SC Male	TRU-6857
QC Male to QDS Male	TRU-7948
QC Male to BNC Male	TRU-5202
QC Male to TNC Male	TRU-5204



The Custom Interconnect Leader

Connection Type	Model
QC Male to SMA Female	TRU-5203

Connection Type	Model
QC Male to LC Male	TRU-4993

QC Male to LC Female	TRU-4491
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QC Male to LC-HV Male	TRU-6257
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QC Male to LC-HV Female	TRU-6269
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QC Male To Screw Terminal	TRU-6853
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QC Male To N Female	TRU-7945
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High Voltage

High Voltage

Custom Design Center

Visit [trucorporation.com](http://trucorporation.com) to use our state of the art, step by step application that will allow you to quickly identify your connector and/or cable assembly requirements and submit them directly to our sales and technical staff for price and delivery.



The Custom Interconnect Leader

Connection Type	Model
QC Male to LT Female	TRU-5200
QC Male to LC-Large Female	TRU-6850
QC Male to 7-16 Female	TRU-6813
QC Male to SQ Female	TRU-6934

Connection Type	Model
QC Male to LT Male	TRU-5201
QC Male to LC-Large Male	TRU-8919
QC Male to 7-16 Male	TRU-6852
QC Male to SQ Male	TRU-7844



The Custom Interconnect Leader

Connection Type	Model
QC Male to 7/8-50 EIA	TRU-6851
Swivel Flange/No Bullet	

Connection Type	Model
QC Male to 1 5/8-50 EIA	TRU-6856
Swivel Flange/Fixed Bullet	

Connection Type	Model
QC Male to 7/8-50 EIA	TRU-7949
Swivel Flange/Fixed Bullet	

Connection Type	Model
QC Male to 1 5/8-50 EIA	TRU-6855
Fixed Flange/Fixed Bullet	

Connection Type	Model
QC Female to 7/8-50 EIA	TRU-6954
Swivel Flange/Fixed Bullet	

Connection Type	Model
QC Female to 1 5/8-50 EIA	TRU-6854
Fixed Flange/Fixed Bullet	

Connection Type	Model
QC Female to Female Coupler Block	TRU-6858

Connection Type	Model
QC Female panel Adapter	TRU-7812

Connection Type	Model
QC Female to Female Coupler w/ Probe Socket	TRU-6965