

# SQS SERIES

**SUPER QUICK COAXIAL CONNECTORS**



**TRU-CONNECTOR CORPORATION**

*"It pays to be well connected."*

# Quick and Reliable High Power RF Connections

If you are looking for a safe, easy and reliable way of making your high power, RF interconnections, there is no need to look any further. SQS connectors are another example of quality TRU craftsmanship — proven to perform at 10,000 volts and up to 5,000 watts of RF power. Their unique design includes a recessed center contact in the female receptacle which greatly reduces the chances for electric shock by not allowing the operator to come in contact with the power carrying conductor. SQS connectors also provide for a reliable connection each and every time. The male plug employs a sleeve, which when slid into the closed position covers a red band and forces the locking balls to seat into a groove on the mating connector. The covering of the red band signifies that the male and female contacts have been fully engaged. The only way the SQS connector can be disconnected is by sliding back the sleeve, which is held in a locked position by an internal spring. Sliding back the sleeve will permit the balls to retract, thus allowing the mated connectors to be separated.

Tru-Connector has been manufacturing a comprehensive line of quality RF connectors for over 40 years. If you have any questions or requests please contact our sales department at 1-800-COAX-TRU (262-9878) or e-mail to [trusales@tru-con.com](mailto:trusales@tru-con.com)

---

## FEATURES

- DC – 500 MHz Frequency Range
- Dielectric withstanding voltage of 10,000 VRMS
- 10,000 megohms (min.) insulation resistance
- Operating temperature from -65° C to +165° C
- VSWR:

50 MHz	1.10
100 MHz	1.20
250 MHz	1.30
- Power handling:

100 MHz	5.0 kw
---------	--------

## STANDARD MATERIALS

Outer Shell:	Nickel plated brass
Female Contact:	Silver plated beryllium copper
Male Contact:	Silver plated brass
Insulator:	Teflon
Gasket:	Silicon rubber

## IMPORTANT ORDERING INFORMATION

- Cable plugs available as finished cable assemblies only
- When ordering finished cable assemblies, be sure to indicate the following:
  - Cable type (RG-217/U or RG393/U)
  - Cable assembly length
  - Connector Type (straight or right angle)



ACCEPTED

*Custom connectors and assemblies can be manufactured to your exact specifications.*



**TRU-CONNECTOR CORPORATION 1-800-262-9878**  
245 Lynnfield Street, Peabody, MA 01960 • 978-532-0775 • Fax 978-531-6993  
[www.tru-con.com](http://www.tru-con.com)



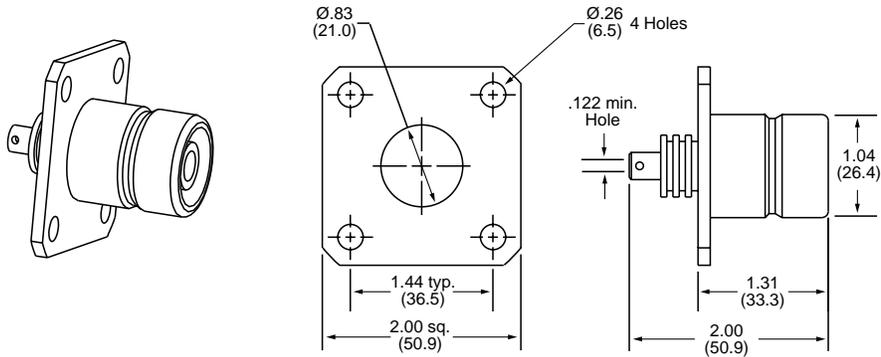
# Panel Receptacles



1-800-262-9878

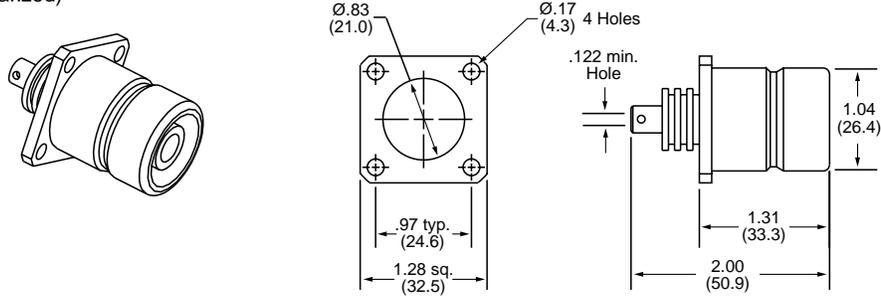
## SQS (F) Panel Receptacle with Solder Bucket

TRU-7776



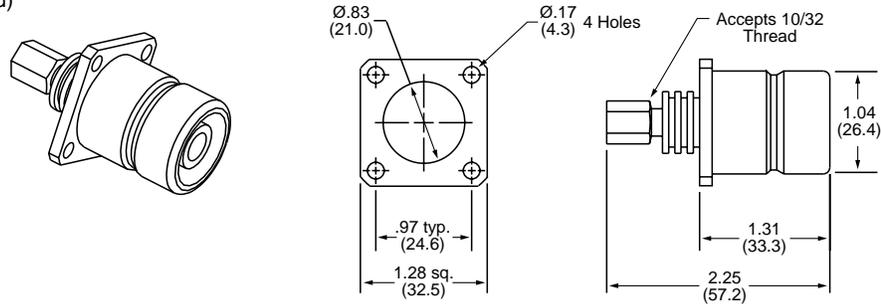
## SQS (F) Panel Receptacle with Solder Bucket

TRU-6921  
TRU-8066-SNT (polarized)



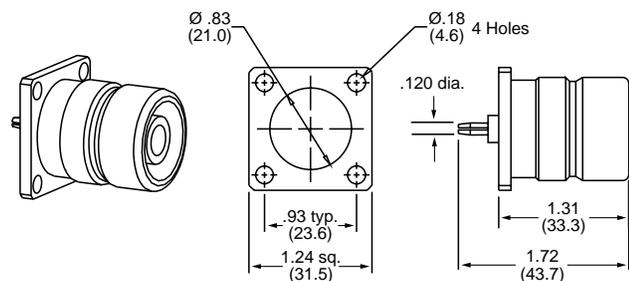
## SQS (F) Panel Receptacle

TRU-6921M1  
TRU-6981 (polarized)

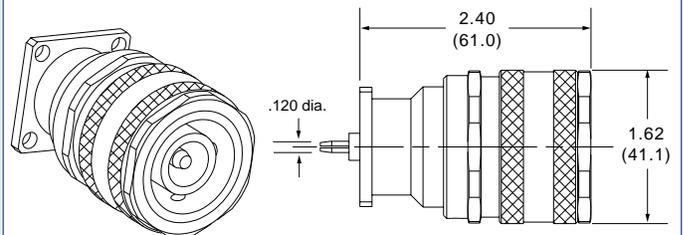


## SQS Panel Receptacle with QC Mating

TRU-6934 FEMALE  
TRU-7958 FEMALE (polarized)



TRU-7844 MALE  
TRU-8175-SNT MALE (polarized)





# Adapters

**TRU**  
1-800-262-9878

**In Series** **SQS (F) — SQS (F)**

TRU-8079-SNT

**In Series** **SQS (F) — SQS (F)**

TRU-8180-SNX

**Between Series** **7/16 (F) — SQS (M)**

TRU-7644SN  
TRU-8018-SNT (polarized)

Note: 7-16 High Voltage Design

**7/16 (F) — SQS (F)**

TRU-7768SN

Note: 7-16 High Voltage Design

**Between Series** **7/16 (M) — SQS (M)**

TRU-7767SN

**7/16 (M) — SQS (M)**

TRU-7643SN



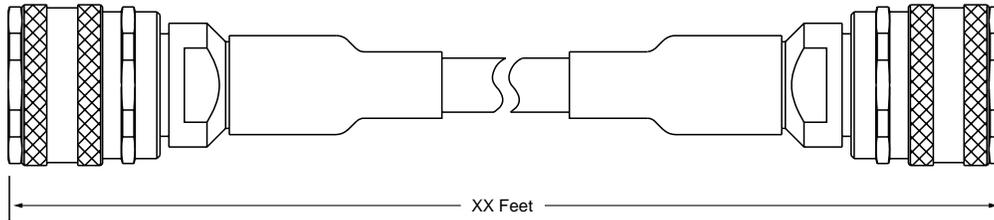
# Cable Assemblies



1-800-262-9878

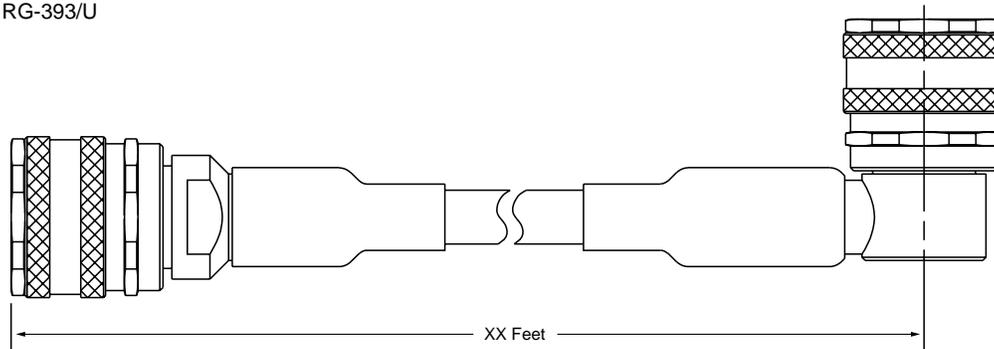
## Cable Assembly SQS (M-M)

TRU-7751-XX RG-217/U  
 TRU-8166-XX RG-393/U



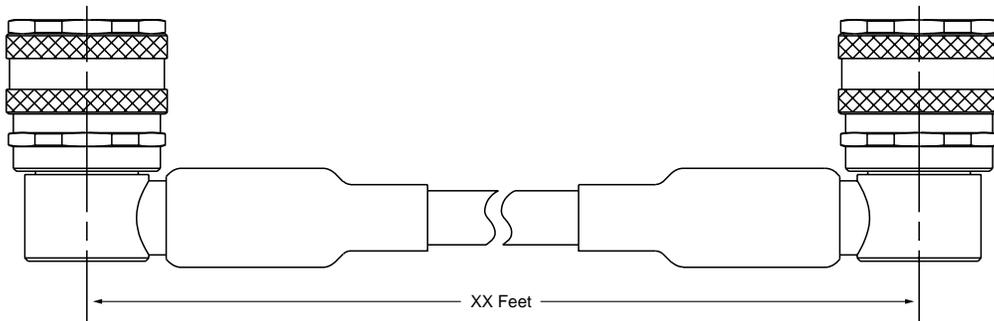
## Cable Assembly SQS (M) — SQS (M) R/A

TRU-6920-XX RG-217/U  
 TRU-8205-XX RG-393/U



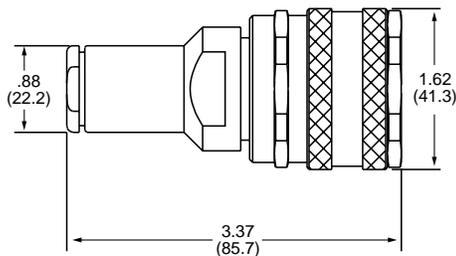
## Cable Assembly SQS R/A (M-M)

TRU-7800-XX RG-217/U  
 TRU-8206-XX RG-393/U

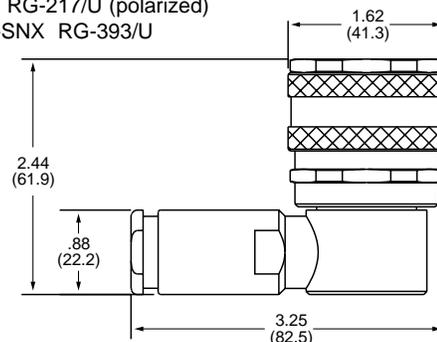


## Cable Connectors Mechanical Dimensions

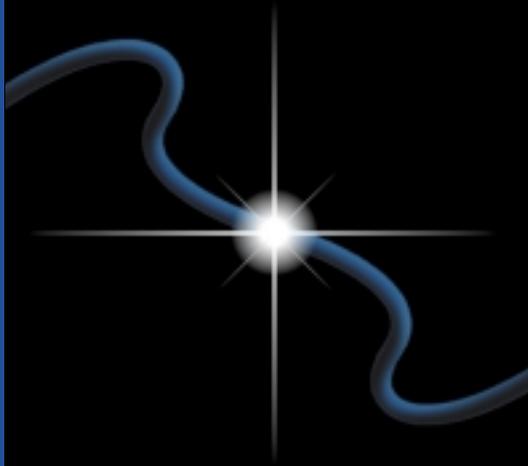
TRU-6923 RG-217/U  
 TRU-6980 RG-217/U (polarized)  
 TRU-8003-SNX RG-393/U



TRU-6922 RG-217/U  
 TRU-8006 RG-217/U (polarized)  
 TRU-8135-SNX RG-393/U



# IT PAYS TO BE WELL CONNECTED™



## Available Series

---

LC LT 7/16 EIA  
QDL QC C SC N  
HN QDS TWINAX  
BNC TNC UHF  
SMA SQS BSM  
TSM MB TRIAX

**1-800-COAX-TRU**

2 6 2 - 9 8 7 8

### **TRU-CONNECTOR CORPORATION**

245 Lynnfield Street, Peabody, MA 01960

978-532-0775 • Fax 978-531-6993 • e-mail: [trusales@tru-con.com](mailto:trusales@tru-con.com)

[www.tru-con.com](http://www.tru-con.com)