

# #8 SINGLE CONTACT Twinax Connectors

For weight/space saving MIL-STD-1553 Data Bussing Requirements, Pyle-National offers two (2) innovative Single Contact Connector designs. These designs utilize Qualified MIL-C-38999 Series III Shell Size 9 hardware and a wide variety of qualified and specialized #8 Twinax/Coax contacts.

Available in various shell styles, shell materials, and plating options (Classes F, W, K & S), each connector option incorporates unique design features.

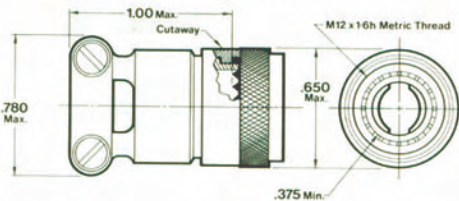
## SPECIFICATIONS (IN INCHES UNLESS OTHERWISE STATED)

### Removable Contact Seal Boot Design

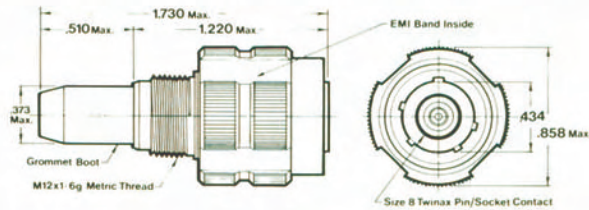
#### DESIGN FEATURES

- Insertable/removable #8 crimp twinax/coax contacts
- Sealing achieved by a removable contact/cable seal boot
- Plugs accept #8 socket twinax/coax contacts
- Receptacles accept #8 pin twinax/coax contacts
- Environmentally sealed
- Available with cable support
- Scoop-proof design
- Low profile design
- Contact grounded to shell

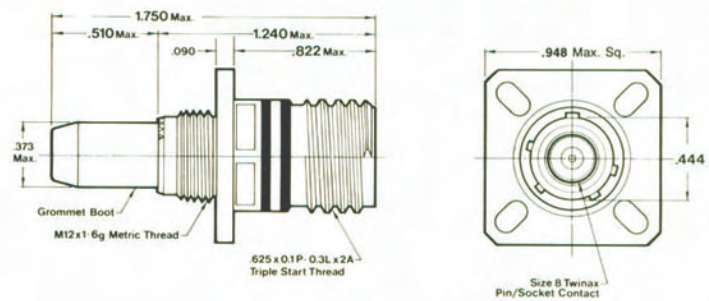
#### OPTIONAL CABLE SUPPORT TGW-R-5309-10 (Olive Drab Cadmium) TGF-R-5309-10 (Electroless Nickel)



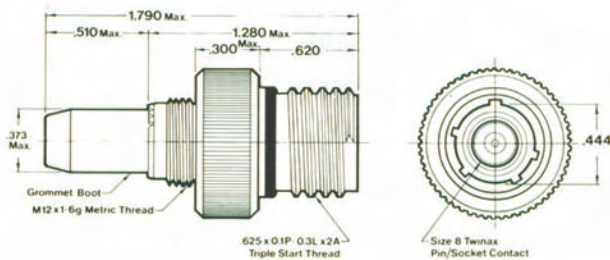
#### NON-DECOUPLING PLUG



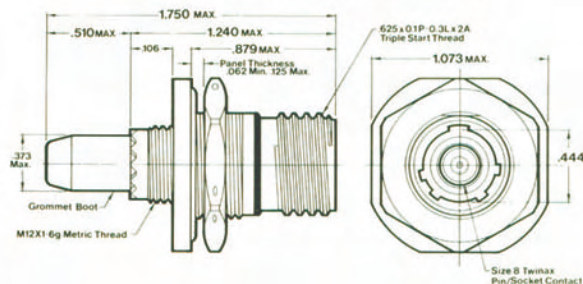
#### SQUARE FLANGE RECEPTACLE



#### IN-LINE RECEPTACLE



#### JAM-NUT RECEPTACLE





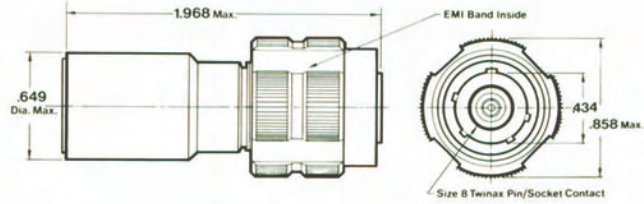
# SPECIFICATIONS (IN INCHES UNLESS OTHERWISE STATED)

## Fixed Integral Seal Design

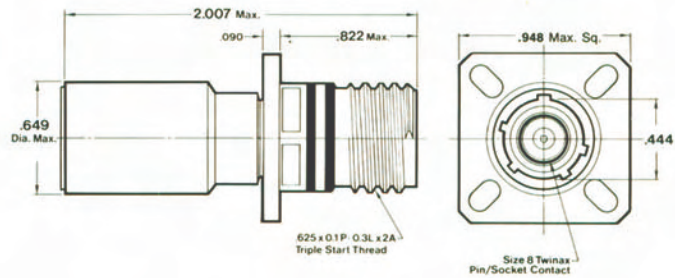
### DESIGN FEATURES

- Insertable/removable #8 crimp twinax/coax contacts
- Sealing achieved by a fixed integral contact/cable seal
- Plugs accept #8 socket twinax/coax contacts
- Receptacles accept #8 pin twinax/coax contacts
- Environmentally sealed
- Closed entry plug shell
- Scoop-proof design
- Contact grounded to shell

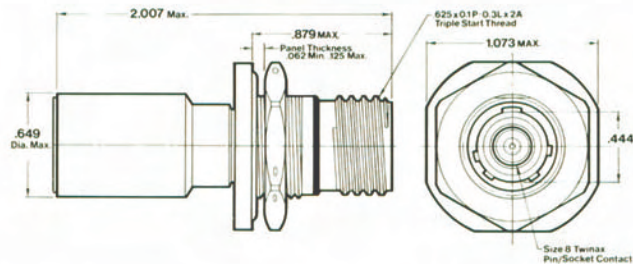
#### NON-DECOUPLING PLUG



#### SQUARE FLANGE RECEPTACLE



#### JAM-NUT RECEPTACLE

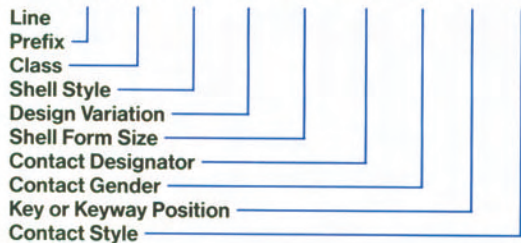


Note: Use contact removal tool part number TP-201391-8

## PART NUMBER/ORDERING INFORMATION

### #8 Single Contact Twinax Connectors

TG W - 12 B 09 -01 S N A



#### CLASS

- F Electroless Nickel Plated Aluminum
- W Corrosion Resistant Olive Drab Cadmium
- K Corrosion Resistant, Stainless Steel
- S Stainless Steel Electrodeposited Nickel Plated

#### SHELL STYLE

- 12 Plug
- 17 Receptacle
- 18 In-line Receptacle
- 19 Receptacle, Jam Nut Mount

#### DESIGN VARIATION

- A = Fixed integral seal adapter
- B = Removable grommet boot assembly

#### SHELL FORM SIZE

- 09 = Shell form size 9

#### CONTACT DESIGNATOR

- 01 = (1) #8 contact

#### CONTACT GENDER

- P = Pin (use with receptacle only)
- S = Socket (use with plug only)

#### KEY OR KEYWAY POSITION

- N = Normal
- A, B, C, D & E = Alternate

#### CONTACT STYLE

- (Omit for standard #8 twinax contact per MIL-C-39029/90 and /91)

- B = #8 twinax ("TB" style)\*

- C = #8 coax contact\*

- 105 designator for "without contacts"

\*See Pyle Part numbers on Shielded Contacts table, page 9.

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