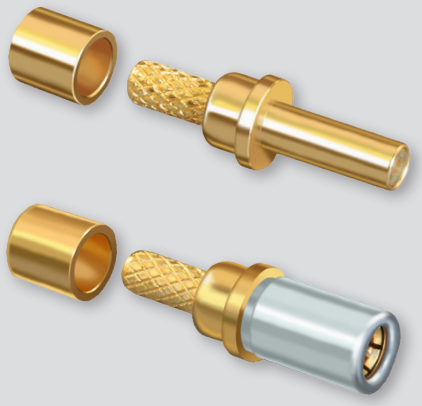
Series 806
Mil-Aero Connectors

Size 12, 50 ohm matched impedance 3 GHz Coax Contacts



These contacts offer improved frequency response compared to standard coaxial contacts . VSWR is 1.32:1 at 3GHz . Nominal impedance is 50 ohms. Insertion loss at 3GHz is 0.20 dB maximum. Inner contact is rated at 1 amp, the outer contact 12 amps. DWV voltage rating is 1000 VAC at sea level, 250 VAC at 50,000 feet. 5000 megohm insulation resistance. Contacts are packaged individually and shipped unassembled with instruction sheet. Inner and outer contacts are gold-plated copper alloy.

Size 12, 50 Ohm matched impedance 3 GHz Coax Contacts

Contact Type	Cable Type	Part Number	Termination	Fig.
Pin	M17/113-RG316	852-016-01	Crimp	1
Pin	M17/152-00001(RG316DS)	852-016-02	Crimp	1
Pin	M17/93-RG178	852-016-03	Crimp	1
Pin	TFLEX-405	852-018	Solder	2
Socket	M17/113-RG316	852-015-01	Crimp	3
Socket	M17/152-00001(RG316DS)	852-015-02	Crimp	3
Socket	M17/93-RG178	852-015-03	Crimp	3
Socket	TFLEX-405	852-017	Solder	4

Specifications

- Operating temperature: -65°C to +200°C
- Crimp Tensile Strength:

Wire Size	Tensile Load (lbs.)	
	Inner	Outer
RG316	10.0	15.0
RG316DS	10.0	20.0
RG178	3.5	10.0
TFLEX-405	TBD	TBD

- Low Signal Level Contact Resistance: 25°C

Wire Size	Initial	After Cond.
RG316	55	66
RG316DS	55	66
RG178	120	144
TFLEX-405	TBD	TBD

Construction

- Copper alloy, 50 microinches gold over nickel plating
- Socket Hood: stainless steel, passivated

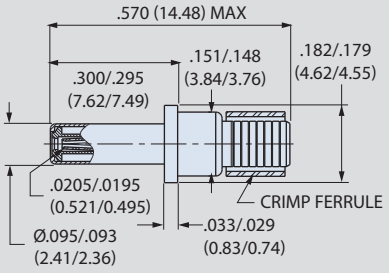


Figure 1

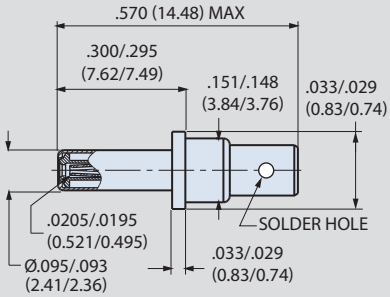


Figure 2

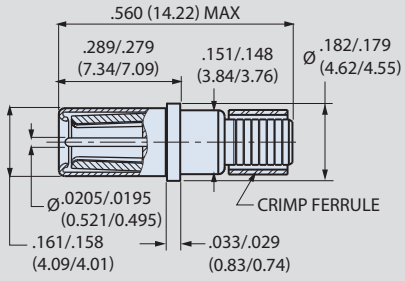


Figure 3

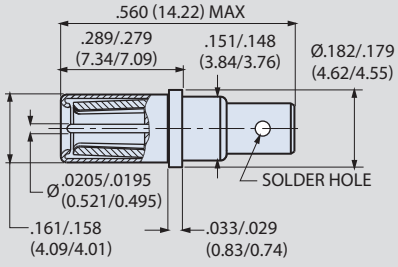


Figure 4

Contact Crimp and Removal Tools

Contact	Inner Contact		Outer Contact		Installation Tool	Removal Tool
	Crimp Tool	Positioner	Crimp Tool	Hex Die		
852-016-01, -02 852-015-01, -02	809-128	859-006	809-129 (M22520/5-01)	809-130 (M22520/5-03)	M81969 /8-07	M81969 /8-07
852-016-03 852-015-03	809-128	859-006	809-129 (M22520/5-01)	809-130 (M22520/5-03)	M81969 /8-07	M81969 /8-08