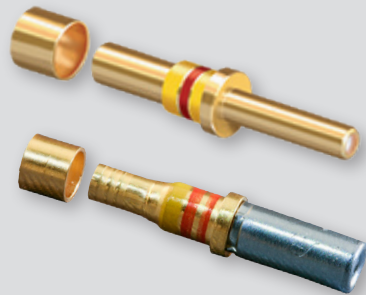


Series 806 Mil-Aero Connectors



Size 16 Coaxial Crimp Contacts for 50 and 75 ohm Coaxial Cable



These #16 contacts accept 50 ohm and 75 ohm coaxial cable. Inner contact is rated at 1 amp, the outer contact 12 amps. DWV voltage rating is 800 VAC rms sea level, 250 VAC at 50,000 feet. Contacts are packaged individually and are unassembled with instruction sheet. One contact consists of outer contact, fluorocarbon dielectric, inner contact and shield crimp sleeve. Inner and outer contacts are gold-plated copper alloy. Approved to SAE AS39029. VSWR rating 1.5:1 maximum up to 700 MHz. 5000 megohm insulation resistance.

Specifications

- Operating temperature: -65°C to +200°C
- Crimp Tensile Strength: silver tin-plated wire, (AS39029/76 & 78 Table 6)

Wire Size	Contact Tensile Load (lbs.)	
	Inner	Outer
RG174	15.0	15.0
RG316	10.0	15.0
RG179	3.5	15.0
RG178	3.5	10

- Low Signal Level Contact Resistance (inner contact only): AS39029/76 & 78 Table VI

Wire	Max. Contact Resist. (Mv)			
	Initial		After Cond. ¹	
	inner	Outer	Inner	Outer
RG174	55	85	66	102
RG316	55	75	66	90
RG179	120	70	144	84
RG178	120	110	144	132

1. After conditioning

- Meets performance requirements of SAE AS39029/76 and /78

Construction

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

Termination Tools

- Inner Contact Crimp Tool: 809-015 (M22520/2-01)
- Inner Contact Positioner: 809-125 (M22520/2-35)
- Outer Contact Crimp Tool: 809-127 (M22520/4-01)
- Outer Contact Positioner: 809-126 (M22520/4-02)

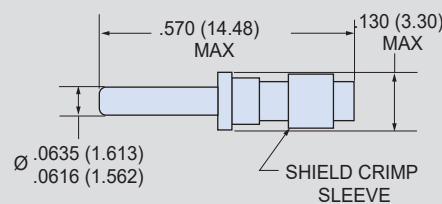
Insertion/Extraction Tool

- Installation Tool: M81969//8-07
- Removal Tool: M81969//8-08

Size 16 Coax Contacts

Type	Cable Size	Part Number	Military Part Number	Color Band		
				1st	2nd	3rd
Pin	RG174, RG316, RG179	809-114	AS39029/76-424	Yellow	Red	Yellow
Pin	RG178	809-115	AS39029/76-425	Yellow	Red	Green
Socket	RG174, RG316, RG179	809-116	AS39029/78-432	Yellow	Orange	Red
Socket	RG178	809-117	AS39029/78-433	Yellow	Orange	Orange

Pin Contact 809-114 and 115



Socket Contact 809-116 and 117

