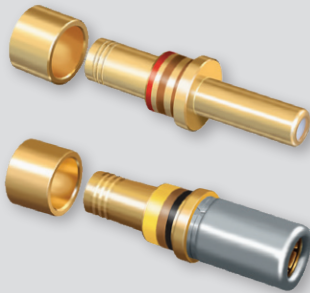


ENVIRONMENTAL, MICRO MINIATURE CIRCULAR

Series 806

Mil-Aero Connectors

Size 12, 50 and 75 Ohm Coaxial Contacts



These #12 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 1000 VAC rms sea level, 250 VAC at 50,000 feet. Contacts are packaged individually and shipped 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: (AS39029/28 and 27 Table VII)

Wire Size	Tensile Load (lbs.)	
	Inner	Outer
RG174	15.0	15.0
RG316	10.0	15.0
RG179	3.5	15.0
RG180	3.5	20.0

- Contact Resistance at 25°C ±3°C in milliohms (AS39029/28 and 27 Table VII)

Wire	Max. Contact Resistance	
	Initial	After Cond. ¹
RG174	55	66
RG316	55	66
RG179	120	144
RG180	120	144

- After conditioning
- 85°C +3°, -0°

- Meets performance requirements of SAE AS39029/28 and /27

Construction

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

Termination Tools

- Inner Contact Crimp Tool: 809-015 (M22520/2-01)
- Inner Contact Positioner: 809-135 (M22520/2-34)
- Outer Contact Crimp Tool: 809-133 (M22520/31-01)
- Outer Contact Positioner: 809-134 (M22520/31-02)

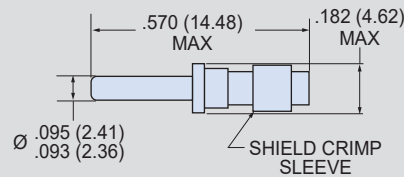
Insertion/Extraction Tool

- Installation Tool: M81969/8-09
- Removal Tool: M81969/8-10

Size 12 Coaxial Contacts

Type	Cable Size	Part Number	Military Part Number	Color Band		
				1st	2nd	3rd
Pin	RG174, RG316, RG179	809-118	M39029/28-211	Red	Brown	Brown
Pin	RG180	809-119	M39029/28-409	Yellow	Black	White
Socket	RG174, RG316, RG179	809-120	M39029/27-210	Red	Brown	Black
Socket	RG180	809-121	M39029/27-402	Yellow	Black	Red

Pin Contact 809-118 and 809-119



Socket Contact 809-120 and 809-121

