

# SERIES 80 Mighty Mouse Connectors



## Size #8 Coax Contacts, for 95 Ohm Cable

### SIZE #8 COAXIAL CONTACTS



**Fig. 1**  
Pin Contact  
852-007-08-367

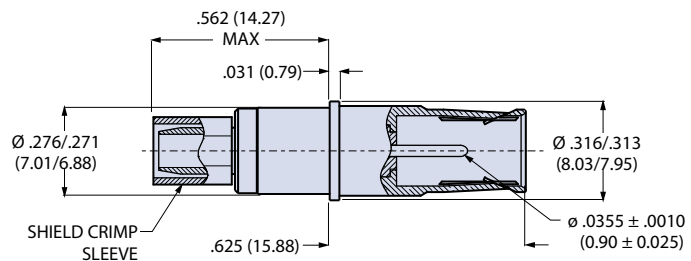


**Fig. 2**  
Socket Contact  
852-006-08-366

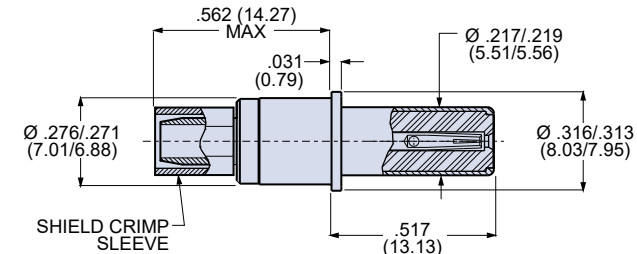
Coax contacts accept M17/095-RG180 cable. These snap-in, rear release contacts fit Glenair Series 80 Mighty Mouse connectors and Glenair MIL-DTL-38999 Series I, III, and IV connectors with size #8 cavities. Crimp termination. Gold-plated copper alloy, Fluoropolymer insulator. Supplied unassembled. Order sealing boot separately (fig. 3). 1 A current rating, 500 Vac. SAE AS39029 qualified.

Fig.	Item	Cable Accommodation	Part Number	AS39029 Part Number	Color Bands		
					1st	2nd	3rd
Fig. 1	Pin	M17/095-RG180	<b>852-007-08-367</b>	M39029/60-367	Orn	Blu	Vio
Fig. 2	Socket	M17/095-RG180	<b>852-006-08-366</b>	M39029/59-366	Orn	Blu	Blu
Fig. 3	Sealing Boot	M17/095-RG180	<b>859-042-02</b>	N/A			

#### Pin Contact 852-007



#### Socket Contact 852-006

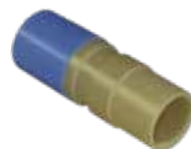


#### Contact Crimp and Removal Tools

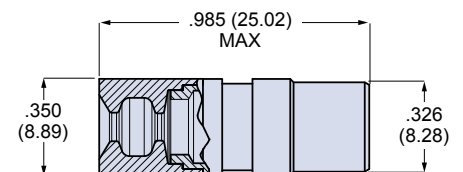
Description	Glenair P/N	Military P/N
Inner Contact, Crimp Tool	<b>809-015</b>	M22520/2-01
Inner Contact, Positioner	<b>859-050</b>	M22520/2-31
Outer Shield Crimp Tool	<b>809-129</b>	M22520/5-01
Outer Shield Hex Die	<b>859-051</b>	M22520/5-05
Contact Installation Tool	--	M81969/8-13 or hand installation
Contact Removal Tool	<b>859-022</b>	M81969/14-06

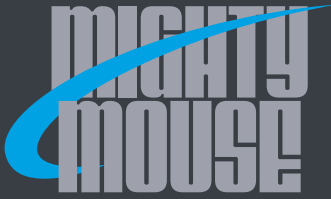
#### Sealing Boot

Sealing boot is ordered separately. Slide boot onto wire before terminating contact. After contact is installed in connector, slide boot forward into connector grommet to seal the contact cavity.



Wire Dia. (in.)	Wire Dia. (mm.)	Part Number
.130 - .170	3.3 - 4.3	859-042-02





SERIES 80  
Mighty Mouse Connectors

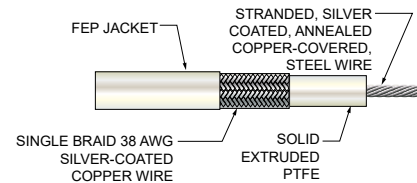


Size #8 Coax Contacts, for 95 Ohm Cable

**SIZE #8 COAXIAL CONTACT 95 OHM CABLE**

Material and Finish	
Contact Body, Center Contact, Ferrule	Copper Alloy, Gold Plated
Insulator	PTFE
Sealing Boot Grommet	Fluorosilicone
Grommet Follower	Polyetherimide

**M17/95-RG180**



Contact Specifications	
Current Rating	1 ampere
Contact Resistance, Inner Contact	120 millivolt max. voltage drop @ 1 ampere
Contact Resistance – Outer Contact	60 millivolt max. voltage drop @ 12 amperes
Dielectric Withstanding Voltage	1300 Vrms Sea Level, 250 Vrms at 50,000 feet
Temperature Range	-65°C to +200°C
Durability	500 mating cycles
Corrosion	EIA-364-26, condition B, 48 hours
Vibration	EIA-364-28, condition V, letter J, 37g's
Shock	EIA-364-27, condition D, 300g's

Military Part Number	M17/95-RG180	
Maximum Operating Frequency	3 GHz	
Impedance (Ohms)	95	
Velocity of Propagation %	69.5	
Capacitance (pF/ft)	17.4	
Conductor	AWG 28 (7/38) Silver-Coated, Annealed-Copper-Covered, Steel Wire.	
Shielding Effectiveness (dB)	<-90 dB	
Dielectric Core	Type F-1: Solid, Extruded PTFE	
First Shield	38 AWG Silver-Coated Copper Wire 91.0% Nom. Coverage	
Second Shield	N/A	
Jacket	Type IX: FEP	
Outer Diameter	.141 (3.58) ± .004 (0.10)	
Temperature Rating	-55°C to +200° C	
Weight	.0198 (lbs/ft.)	
Time Delay nS/ft	N/A	
Max. Attenuation	Freq. (MHz)	dB/100 ft
	400	17.0