

SERIES 80 Mighty Mouse connectors



Size #8 Power Contacts and Sealing Boot for Series 801, 802, and 805 Connectors

SIZE #8 CONTACTS

Power contacts accept #8 AWG wire. These contacts fit Mighty Mouse 801, 802 and 805 connectors with size 8 cavities. 46 amp current rating. Gold-plated copper alloy. Socket contact has stainless steel hood. Conforms to SAE AS39029 requirements. Terminate with pneumatic crimp tool (859-025) in conjunction with die assembly (859-026) and locator (859-046).



Figure	Contact Type	Conductor Size	Part Number Contact Only	Part Number for Contact and Sealing Boot
Fig. 1	Pin	#8	850-013	850-013F
Fig. 2	Socket	#8	850-014	850-014F

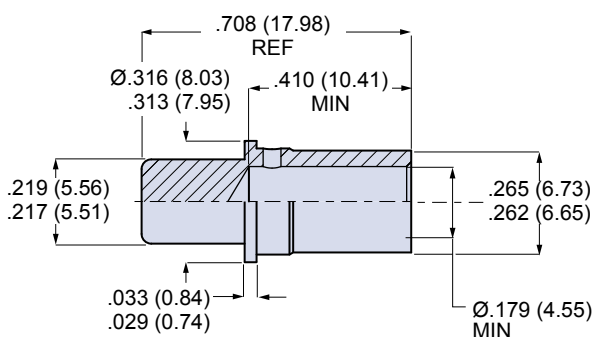


Fig. 1
Pin Contact 850-014

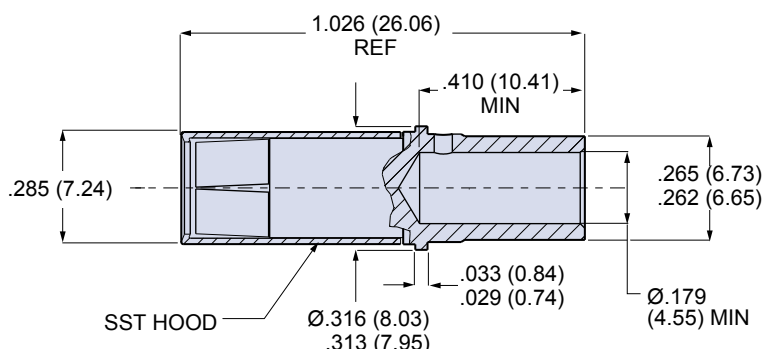


Fig. 2
Socket Contact 850-013

Material and Finish	
Contact Body	Copper alloy/ gold plated IAW ASTM B488, Type II, Code C, .000050 minimum thickness, over nickel IAW SAE AMS-QQ-N-290, Class 2, .000050 to .000100 thickness.
Socket Contact Hood	CRES, passivated

Specifications		
Description	Requirement	Procedure
Test Current	46 Amperes	SAE AS39029 para. 4.7.5, EIA-364-06
Contact Resistance	26 millivolts maximum	SAE AS39029 para. 4.7.5, EIA-364-06
Minimum Separation Force	5 ounce minimum	SAE AS39029 para. 4.7.6, EIA-364-37
Crimp Tensile Strength	220 lbs. (978 newtons)	SAE AS39029 para. 4.7.9, EIA-364-08
Durability	500 mating cycles	SAE AS39029 para. 4.7.10

Contact Crimp and Removal Tools		
Description	Glenair P/N	Military P/N
Pneumatic Crimp Tool	859-025	M22520/23-01
Die	859-026	M22520/23-02
Locator	859-046 or 859-164*	none
Contact Removal Tool	859-049	M81969/14-12

* Recommended

Sealing Boot

Sealing boot provides wire seal. Slide boot onto wire before terminating contact. After contact is installed in connector, slide boot forward into connector grommet to seal the contact cavity. "F" suffix added on contact part number specifies contact supplied with sealing boot P/N 859-042-03.

Sealing Boot Dimensions		
Wire Dia. (in.)	Wire Dia. (mm.)	Part Number
.170 - .205	4.3 - 5.2	859-042-03

