

RF, Microwave and Datalink Contacts

for MIL-DTL-38999, SuperNine®, Mighty Mouse and Micro-Crimp® Connectors



Spring-Loaded Microwave Frequency Coaxial Contacts

Size #8 BMB Contacts for DC – 18 GHz



Pin Contact
(for use in socket connectors)



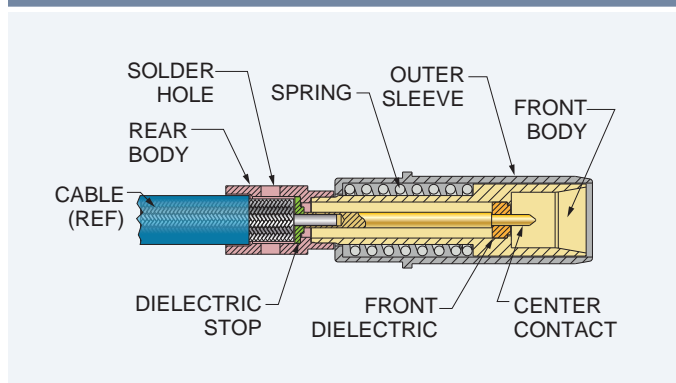
Socket Contact
(for use in pin connectors)

50 ohm high frequency BMB coaxial contacts snap into standard MIL-DTL-38999 Series I, III and IV connectors with size #8 contact cavities. Also compatible with Glenair Series 80 Mighty Mouse and Series 23 SuperNine® connectors. Maximum operating frequency 18 GHz. Spring-loaded BMB pin contact assures full mating under a variety of tolerance conditions. Interface conforms to MIL-STD-348 figure 322. Aerospace-grade construction. Solder termination.

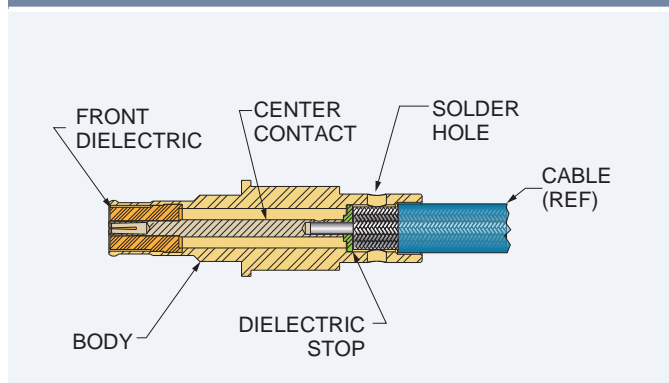
Size 8 50 Ohm BMB Coaxial Contacts for DC – 18 GHz		
Cable	Pin Contact <i>Use in Socket Connector</i>	Socket Contact <i>Use in Pin Connector</i>
RG-402 Flex	852-070-01	852-071-01
RG-142	852-070-02	852-071-02
LL142 (Harbour Industries)	852-070-03	852-071-03
LMR-240 (Times Microwave)	852-070-04	852-071-04
RG-405 Flex	852-070-05	852-071-05

Technical Data		
Specifications	Construction	Connector Compatibility
Operating temperature: -55°C. to +125°C. Dielectric withstanding voltage: 1000 Vac rms Frequency range: DC – 18 GHz VSWR: 1.10:1 DC – 1 GHz. Above 1 GHz 1.20 + .025(freq GHz). 50 ohm nominal impedance Insertion loss: .05 dB @ 400 MHz, above 1 GHz: 0.06 x √(Freq in GHz) Durability: 500 mating cycles Shock: EIA-364-27 condition D Vibration: EIA-364-28 condition VI, letter J	Center contact: beryllium copper alloy, 50 microinches gold over nickel plating Dielectric: PTFE per ASTM D-1710 Body: beryllium copper alloy, 50 microinches gold over nickel plating Pin contact outer sleeve: 303 SST per ASTM A-582, passivated Pin contact spring: 302 or 17-7 stainless steel, passivated Sealing Boot: fluorosilicone rubber grommet, glass-filled PEI follower	BMB contacts are compatible with the following connectors with size #8 contact cavities: MIL-DTL-38999 Series I, III and IV Glenair Series 23 SuperNine Glenair Series 80 Mighty Mouse <i>Note: Pin contact 852-070 is installed in socket connectors. Socket contact 852-071 is installed in pin connectors.</i>

Construction Details: Pin Contact 852-070



Construction Details: Socket Contact 852-071



RF, Microwave and Datalink Contacts

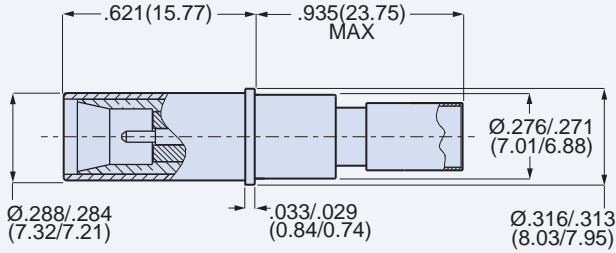
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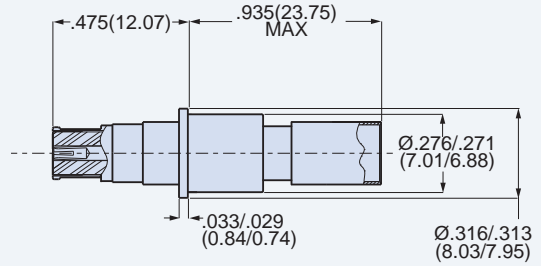
Spring-Loaded Microwave Frequency Coaxial Contacts

Size #8 BMB Contacts for DC – 18 GHz

Pin Contact 852-070

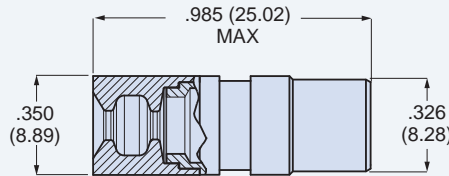
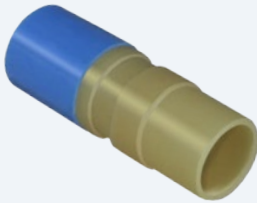


Socket Contact 852-071



Sealing Boot

Sealing boots are supplied with contacts.



Wire Dia. (in.)	Wire Dia. (mm.)	Part Number
.090 – .130	2.3 – 3.3	859-042-01
.130 – .170	3.3 – 4.3	859-042-02
.170 – .205	4.3 – 5.2	859-042-03

Removal Tool

No tool is required for installing contact into connector.



859-049
(M81969/14-12)