

RF, Microwave, and mmWave Interconnects SuperNine RF Multi-Port Circular Connectors



852-070 / -071
852-099 / -154

852-133 / -134

High-Frequency Spring-Loaded Solder Contacts

UNIVERSAL INFORMATION

Construction	Materials
Center contact, body	Copper alloy, gold over nickel plating
Dielectric	Fluoropolymer
Socket outer sleeve	SST, passivated
Socket spring	SST, passivated
Sealing boot	Fluorosilicone rubber grommet, glass-filled thermoplastic follower
Specifications	
Operating Temperature	-55 to +125 °C
Durability	500 mating cycles

SIZE-SPECIFIC INFORMATION

Specifications

Dielectric Withstanding Voltage

- Size 8: 1000 VAC
- Size 12: 325 VAC
- Size 16: 250 VAC

VSWR

- Size 8: DC - 1 GHz 1.10:1, 1 GHz to 18 GHz: 1.20 + .025 (freq GHz):1
- Size 12: DC to 26.5 GHz 1.21:1, 26.5 to 40 GHz 1.31:1
- Size 16: DC to 65 GHz 1.5:1

Socket Axial Travel in the Mated Condition

- Size 8: Up to .047 inches
- Size 12: Up to .057 inches
- Size 16: Up to .038 inches

INSERTION/EXTRACTION TOOLS

Size	Type	Part Number
#16	Insert/Extract	809-131
#12	Insert/Extract	809-132
#8	Extract Only	859-049

DUMMY CONTACT SEALING PLUGS

Size	Part Number
#16	680-116-16
#12	680-116-12
#8	859-106

50-OHM HIGH-FREQUENCY SPRING-LOADED SOLDER CONTACTS

Contact Size / Style	Cable	Pin	Socket
#8 BMB 18 GHz Max*	962-025-047	852-071-06	852-070-06
	962-025-086	852-071-05	852-070-05
	962-025-141	TBD	TBD
	962-032-130	852-071-10	852-070-10
	962-032-160	852-071-11	852-070-11
	962-032-200	852-071-12	852-070-12
#12 SMPM 40 GHz Max*	962-025-047	852-099-03	852-154-03
	962-025-086	852-099-01	852-154-01
	962-032-130	852-099-04	852-154-04
#16 SMPS 65 GHz Max*	962-025-047	852-133-01	852-134-01
	962-025-086	852-314**	852-315

*check max frequency of cable

**Requires contact organizer. Contact factory for details

