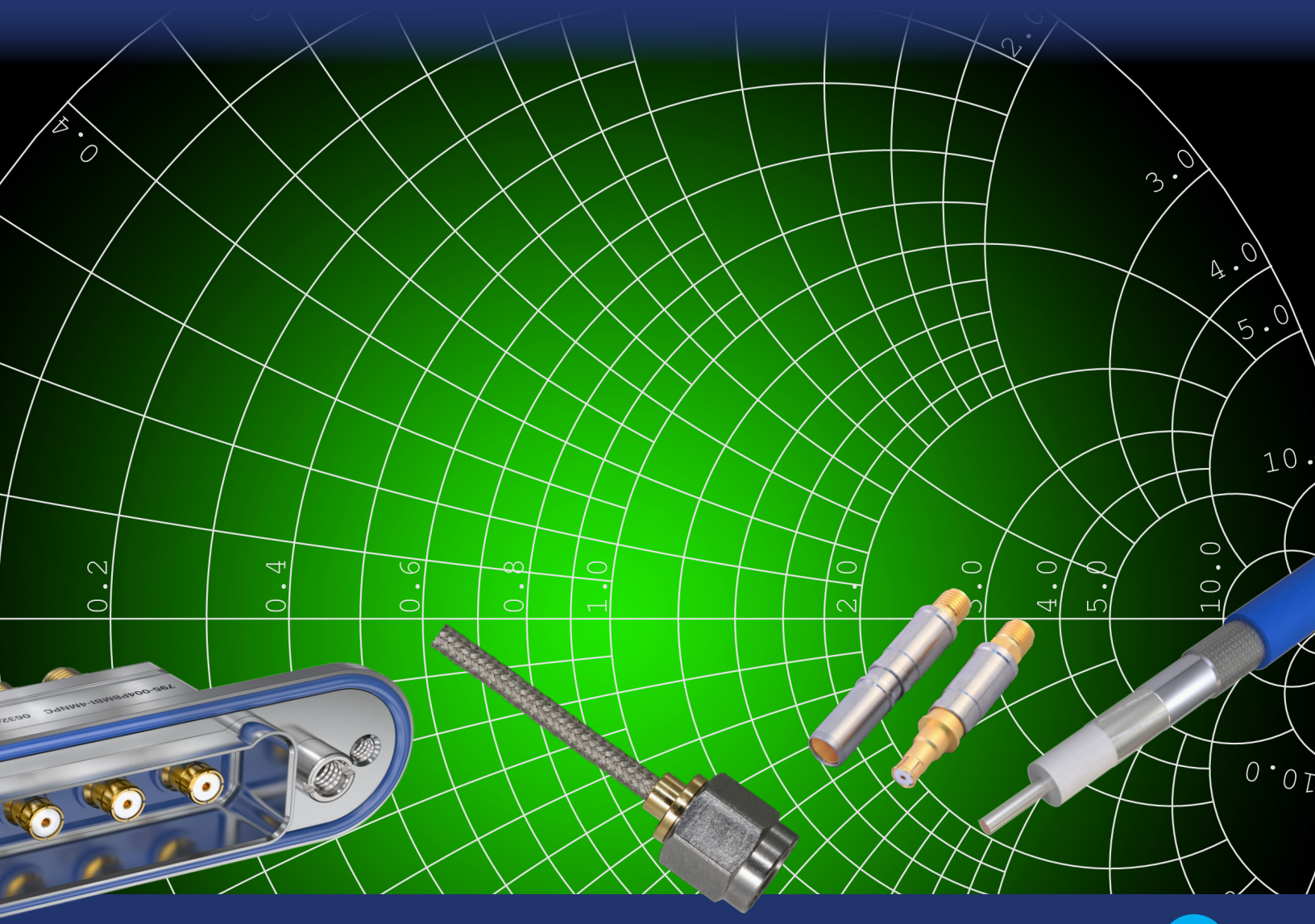
MISSION-CRITICAL
INTERCONNECT
SOLUTIONS

Glenair®



BLUMARK RF COAX CABLES

RF, Microwave, and mmWave Interconnects

Integrated RF Transmission Line Assemblies built from Glenair Signature Connectors, Contacts, Adapters, and Coax Cable

MARCH 2025

MIL-AERO GRADE

HIGH-FREQUENCY RF TRANSMISSION LINE ASSEMBLIES

Turnkey RF and Microwave Transmission Line Assemblies Built with Glenair Multi-Port Connectors, Low-Loss Cables and High-Frequency Contacts

Glenair is one of just a few interconnect manufacturers that can supply turnkey RF transmission line assemblies—fully connectorized and ready for immediate use—built 100% in-house with Glenair component parts. Glenair high-frequency RF assemblies are typically used in line-replaceable units and chassis that are part of an RF data transmission chain. The rugged, environmental construction of Glenair multi-port RF connector shells and contacts, combined with our high-reliability BluMark RF coax cables, makes these turnkey transmission line solutions ideal for mission-critical air, sea, land, and space applications with exacting size, weight, and frequency requirements.

BLUMARK COAX CABLES RF

GLENAIR TURNKEY RF ASSEMBLIES ARE BUILT WITH AEROSPACE-GRADE 50 OHM LOW-LOSS COAX CABLES

Size 047 40 GHz	Size 086 40 GHz	Size 130 40 GHz	Size 160 40 GHz	Size 200 26.5 GHz	Size 235 26.5 GHz	Size 300 18 GHz
Triple-Shielded • Low phase-change PFA Dielectric • FEP Jacket		Triple-Shielded • Low-Loss PTFE Tape Wrapped Dielectric • FEP Jacket				

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Coax Cable
Pages 2–10

Coax Cables: Series 962 BluMark RF 50 Ohm are available in size categories 047, 086, 130, 160, 200, 235, and 300. These low-loss cables are suitable for aerospace applications and test equipment.

Coax Cable Selection Guide Pages 2

SuperNine RF
Multi-Port RF Connectors
Pages 12–24

Series 23 SuperNine RF multi-port connectors advanced-performance MIL-DTL-38999 Series III type connectors with superior shielding, sealing, and high-vibration performance. Unibody ground plane and insert arrangements per MIL-STD-1560.

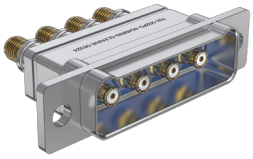
Series 23 Selection Guide Page 12

Series 806 RF
Multi-Port RF Connectors
Pages 25–41

Series 806 RF Mil-Aero multi-port connectors micro-miniature connectors with advanced electrical, mechanical, and environmental performance. Unibody ground plane and RF contact insert arrangements.

Series 806 RF Selection Guide Page 25

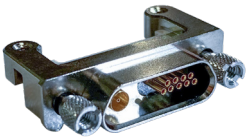
Series 795
Multi-Port RF Connectors
Pages 42–73



Series 795 RF high-density, multi-port connectors dual-lobe scoop-proof high-density rectangular series. One-piece connector shell provides a common unibody ground plane that eliminates radiation through the connector.

Series 795 Selection Guide Page 42

Series GMMD
Modular Micro-D Connectors
Pages 74–85



Series GMMD modular Micro-D Coax connectors supplied in SMT PCB receptacles and prewired plug assemblies. Supports up to 16 lines of 50-Ohm coax as well as 75-Ohm and mixed arrangements.

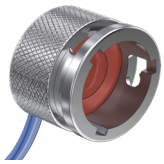
Series GMMD Selection Guide Page 74

RF Adapters
Pages 86–92

Series GRF05 RF Adapters connect between or within a series. Frequently used as connector savers, male-female adapters protect RF jacks on instruments from wear-and-tear. 45° and 90° SMA male-female adapters provide extra clearance in cramped quarters.

RF Adapters Selection Guide Page 86

RF Connector Accessories
Pages 93–103



Protective Covers and Dummy Receptacles for RF connectors: SMA, TNC, BNC, HN and N.

RF Access. Selection Guide Page 93

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Selection Guide: 50 Ohm Coax Cable

COAX CABLE

Series 962 Coax Cables

50 Ohm Low Loss

BLUMARK RF COAX CABLES

Series 962 BluMark RF 50 Ohm Coax Cables are available in seven size categories: 047, 086, 130, 160, 200, 235, and 300. These low attenuation cables are suitable for aerospace applications and test equipment. Jacket options include FEP and radiation-resistant space-grade ETFE.

- Low attenuation
- FEP and ETFE jackets
- Low Phase Change cables
- Seven size categories
- Compatible with standard RF/ Microwave connectors
- All cables can be ordered with red plague mitigation certification

962-025 Series, PFA Dielectric

047

40 GHz
FEP Jacket
.059 (1.5) Diameter
962-025-047
Page 4

086

40 GHz
FEP Jacket
.108 (2.7) Diameter
962-025-086
Page 5

962-032 Series, PTFE Dielectric

130

40 GHz
FEP Jacket
.135 (3.4) Diameter
962-032-130
Page 6

160

40 GHz
FEP Jacket
.160 (4.1) Diameter
962-032-160
Page 7

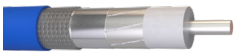
200

26.5 GHz
FEP Jacket
.201 (5.1) Diameter
962-032-200
Page 8

235

18 GHz
FEP Jacket
.239 (6.1) Diameter
962-032-235
Page 9

300



18 GHz
FEP Jacket
.304 (7.7) Diameter
962-032-300
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Selection Guide

GLENAIR BLUMARK RF 50 OHM LOW LOSS COAX CABLE

Size Category	Part Number	Cable Type	Jacket O.D. in	Jacket O.D. mm	Conductor Dia. in	Conductor Dia. mm	Shield Construction	Jacket*	GHz	Dielectric	Page
047	962-025-047	High-Performance Flexible	.056	1.42	.011	0.29	2x Flat Wires + Braid	FEP	40	PFA	14
086	962-025-086	High-Performance Flexible	.104	2.64	.020	0.51	2x Flat Wires + Braid	FEP	40	PFA	15
130	962-032-130	High Performance Flexible	.135	3.43	.029	0.74	2x Flat Wires + Braid	FEP	40	e-PTFE	16
160	962-032-160	High Performance Flexible	.160	4.06	.036	0.91	2x Flat Wires + Braid	FEP	40	e-PTFE	17
200	962-032-200	High Performance Flexible	.201	5.11	.051	1.30	2x Flat Wires + Braid	FEP	26.5	e-PTFE	18
235	962-032-235	High Performance Flexible	.239	6.07	.057	1.45	2x Flat Wires + Braid	FEP	26.5	e-PTFE	19
300	962-032-300	High Performance Flexible	.304	7.72	.089	2.26	2x Flat Wires + Braid	FEP	18	e-PTFE	20

*Consult factory for ETFE and LSZH jacket options

ABBREVIATIONS

e-PTFE	expanded PTFE
ETFE	ethylene tetrafluoroethylene
FEP	fluorinated ethylene propylene
LSZH	low smoke zero halogen
PTFE	polytetrafluoroethylene
PFA	perfluoroalkoxy

962-025-047

50 Ohm Low Loss Coax Cable

- 40 GHz
- FEP Jacket
- PFA Dielectric
- .047" Outer Shield Diameter
- Silver-Plated Copper Conductor

COAX CABLE

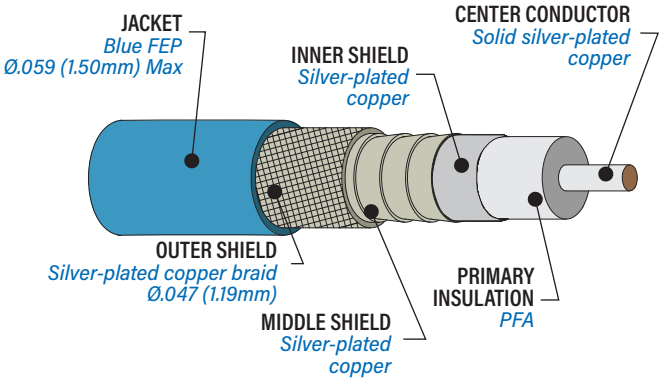
BLUMARK RF COAX CABLES

Industry leading insertion loss stability under vibration. 962-025 coax cable has abrasion resistant FEP jacket. Three shield layers: two silver plated flat wire shields and round SPC braid outer shield. Solid SPC center conductor.

SPECIFICATIONS

- 50 ohm
- -65 to +165 °C
- Triple shield: silver plated copper braid over silver plated flat wire shields.
- Cable weight: 1.8 g/ft nom.
- Velocity of Propagation: 70%
- Capacitance (pf/ft): 29
- Min. Bend Radius: .2 in (5.1 mm)

CONSTRUCTION



ATTENUATION

	Typical Attenuation (dB/ft)	Typical Attenuation (dB/meter)
0.5 GHz	0.270	0.884
1 GHz	0.384	1.260
4 GHz	0.788	2.585
10 GHz	1.282	4.206
18 GHz	1.766	5.794
26.5 GHz	2.189	7.182
40 GHz	2.763	9.065

CALCULATED INSERTION LOSS

$$IL = [K_1 \sqrt{F} + K_2 F] \times \text{Cable Length}$$

F = Frequency in MHz Feet or Meters per table below

	For Cable Length in Feet	For Cable Length in Meters
K_1	.0118313	.0388168
K_2	.0000099	.0000325

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962-025-086

50 Ohm Low Loss Coax Cable

- 40 GHz
- FEP Jacket
- PFA Dielectric
- .086" Outer Shield Diameter
- Silver-Plated Copper Conductor

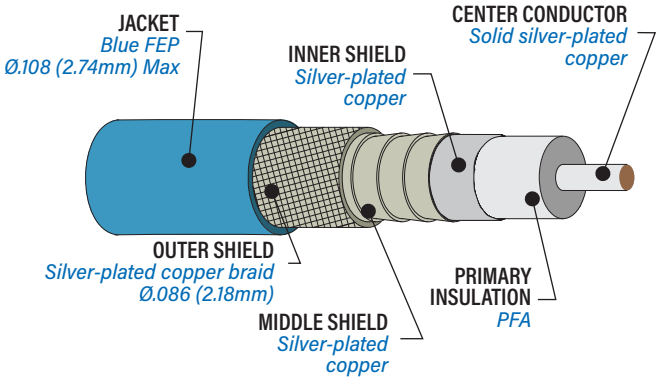
BLUMARK COAX CABLES RF™

Industry leading insertion loss stability under vibration. 962-025 coax cable has abrasion resistant FEP jacket and is a flexible alternative to RG405 semi-rigid cable. Three shield layers: two silver plated flat wire shields and round SPC braid outer shield. Solid SPC center conductor.

SPECIFICATIONS

- 50 ohm
- -65 to +165 °C
- Triple shield: silver plated copper braid over silver plated flat wire shields.
- Cable weight: 5.6 g/ft nom.
- Velocity of Propagation: 70%
- Capacitance (pf/ft): 29
- Min. Bend Radius: .4 in (10.16 mm)

CONSTRUCTION



ATTENUATION		
	Typical Attenuation (dB/ft)	Typical Attenuation (dB/meter)
0.5 GHz	0.156	0.512
1 GHz	0.223	0.732
4 GHz	0.463	1.519
10 GHz	0.764	2.507
18 GHz	1.065	3.494
26.5 GHz	1.333	4.373
40 GHz	1.702	5.584

CALCULATED INSERTION LOSS

$$IL = [K_1 \sqrt{F} + K_2 F] \times \text{Cable Length}$$

F = Frequency in MHz Feet or Meters per table below

	For Cable Length in Feet	For Cable Length in Meters
K_1	0.0067718	0.0222171
K_2	0.0000087	0.0000285

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962-032-130

50 Ohm Low Loss Coax Cable

- 40 GHz
- FEP Jacket
- e-PTFE Dielectric
- .135" Jacket Diameter
- Silver-Plated Copper Conductor

COAX CABLE

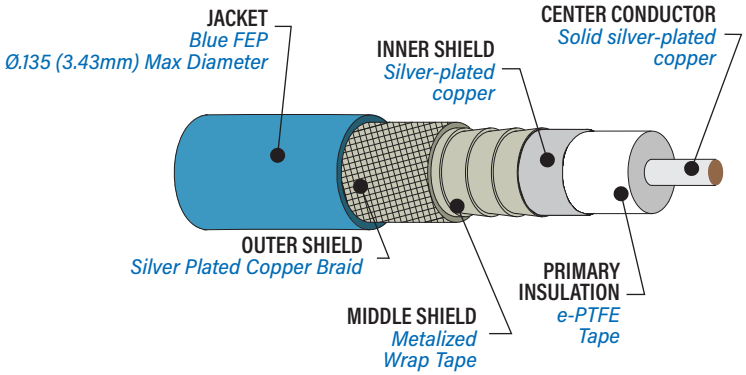
BLUMARK COAX CABLES RF

50 ohm. Low loss. Triple shield. 40 GHz.
962-032-130 coax cable has expanded PTFE dielectric for low attenuation at microwave frequencies. Abrasion resistant and flexible FEP jacket. Three metallic layers for greater than 90 dB of shielding effectiveness: SPC (silver-plated copper) tape inner shield, aluminum/polyimide foil interlayer, and round SPC braid outer shield. Solid SPC center conductor.

SPECIFICATIONS

- 50 ohm
- -55 to +200 °C
- Triple shield: silver plated copper braid over silver plated flat wire shields.
- Cable weight: 8.0 g/ft nom.
- Velocity of Propagation: 79%
- Capacitance (pf/ft): 25.7
- Min. Bend Radius: .625 in (15.88 MM)

CONSTRUCTION



ATTENUATION

	Typical Attenuation (dB/ft)	Typical Attenuation (dB/meter)
0.5 GHz	0.095	0.312
1.0 GHz	0.135	0.449
4.0 GHz	0.274	0.899
10.0 GHz	0.439	1.440
18.0 GHz	0.596	1.955
26.5 GHz	0.731	2.398
40.0 GHz	0.910	2.986

CALCULATED INSERTION LOSS

$$IL = [K_1 \sqrt{F} + K_2 F] \times \text{Cable Length}$$

F = Frequency in MHz Feet or Meters per table below

	For Cable Length in Feet	For Cable Length in Meters
K_1	0.0042280	0.0138713
K_2	0.0000016	0.0000053

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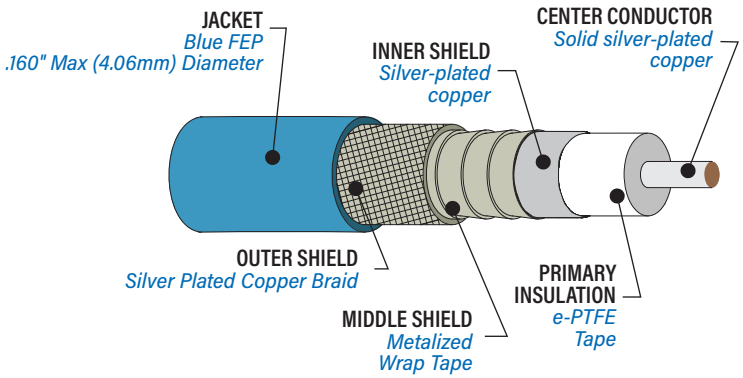
Dimensions in Inches (millimeters) are subject to change without notice.

962-032-160

50 Ohm Low Loss Coax Cable

- 40 GHz
- FEP Jacket
- e-PTFE Dielectric
- .160" Jacket Diameter
- Silver-Plated Copper Conductor

CONSTRUCTION



BLUMARK COAX CABLES RF™

50 ohm. Low loss. Triple shield. 40 GHz.
962-032-160 coax cable has expanded PTFE dielectric for low attenuation at microwave frequencies. Abrasion resistant and flexible FEP jacket. Three metallic layers for greater than 90 dB of shielding effectiveness: SPC (silver-plated copper) tape inner shield, aluminum/polyimide foil interlayer, and round SPC braid outer shield. Solid SPC center conductor.

SPECIFICATIONS

- 50 ohm
- -55 to +200 °C
- Triple shield: silver plated copper braid over silver plated flat wire shields.
- Cable weight: 11.0 g/ft nom.
- Velocity of Propagation: 78%
- Capacitance (pf/ft): 26
- Min. Bend Radius: .787 in (20.0 mm)

ATTENUATION

	Typical Attenuation (dB/ft)	Typical Attenuation (dB/meter)
0.5 GHz	0.076	0.249
1.0 GHz	0.108	0.354
4.0 GHz	0.224	0.735
10.0 GHz	0.367	1.204
18.0 GHz	0.508	1.667
26.5 GHz	0.633	2.077
40.0 GHz	0.804	2.638

CALCULATED INSERTION LOSS

$$IL = [K_1 \sqrt{F} + K_2 F] \times \text{Cable Length}$$

F = Frequency in MHz Feet or Meters per table below

	For Cable Length in Feet	For Cable Length in Meters
K_1	0.0033141	0.0108729
K_2	0.0000035	0.0000116

962-032-200

50 Ohm Low Loss Coax Cable

- 26.5 GHz
- FEP Jacket
- e-PTFE Dielectric
- .201" Jacket Diameter
- Tape+Foil+Braid Shields

COAX CABLE

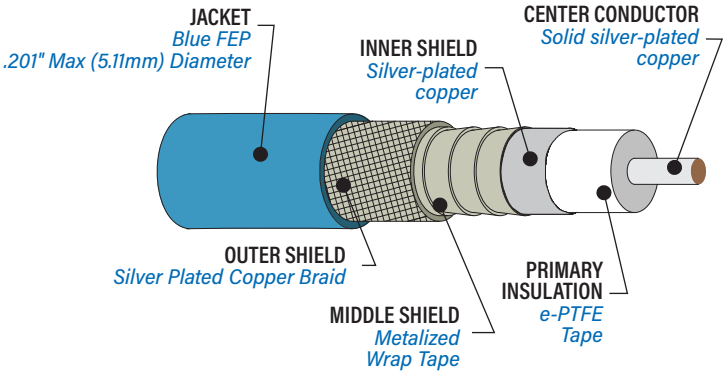
BLUMARK COAX CABLES RF™

50 ohm. Low loss. Triple shield. 26.5 GHz. 962-032-200 coax cable has expanded PTFE dielectric for low attenuation at microwave frequencies. Abrasion resistant and flexible FEP jacket. Three metallic layers for greater than 90 dB of shielding effectiveness: flat SPC (silver-plated copper) tape inner shield, aluminum/polyimide foil interlayer, and round SPC braid outer shield. Solid SPC center conductor.

SPECIFICATIONS

- 50 ohm
- -55 to +200 °C
- Triple shield: silver plated copper braid over silver plated flat wire shields.
- Cable weight: 16.8 g/ft nom.
- Velocity of Propagation: 80%
- Capacitance (pf/ft): 25.4
- Min. Bend Radius: .984 in (25.0 mm)

CONSTRUCTION



ATTENUATION

	Typical Attenuation (dB/ft)	Typical Attenuation (dB/meter)
0.5 GHz	0.053	0.174
1.0 GHz	0.076	0.249
4.0 GHz	0.155	0.508
10.0 GHz	0.250	0.820
18.0 GHz	0.342	1.122
26.5 GHz	0.422	1.384

CALCULATED INSERTION LOSS

$$IL = [K_1 \sqrt{F} + K_2 F] \times \text{Cable Length}$$

F = Frequency in MHz Feet or Meters per table below

	For Cable Length in Feet	For Cable Length in Meters
K_1	0.0023559	0.0077293
K_2	0.0000014	0.0000047

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962-032-235

50 Ohm Low Loss Coax Cable

- 26.5 GHz
- FEP Jacket
- e-PTFE Dielectric
- .239" Jacket Diameter
- Tape+Foil+Braid Shields

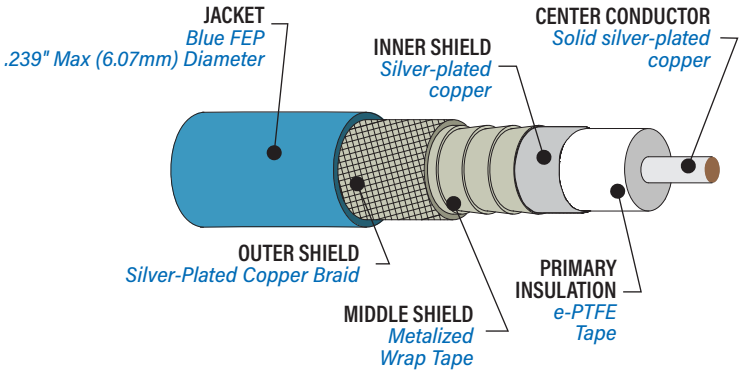
BLUMARK RF COAX CABLES

50 ohm. Low loss. Triple shield. 26.5 GHz. 962-032-235 coax cable has expanded PTFE dielectric for low attenuation at microwave frequencies. Abrasion resistant and flexible FEP jacket. Three metallic layers for greater than 90 dB of shielding effectiveness: flat SPC (silver-plated copper) flat tape inner shield, aluminum/polyimide foil interlayer, and round SPC braid outer shield. Solid SPC center conductor.

SPECIFICATIONS

- 50 ohm
- -55 to +200 °C
- Triple shield: silver plated copper braid over silver plated flat wire shields.
- Cable weight: 21.8 g/ft nom.
- Velocity of Propagation: 80%
- Capacitance (pf/ft): 25.4
- Min. Bend Radius: 1.181 in (30.0 mm)

CONSTRUCTION



ATTENUATION

	Typical Attenuation (dB/ft)	Typical Attenuation (dB/meter)
0.5 GHz	0.048	0.157
1.0 GHz	0.068	0.223
4.0 GHz	0.139	0.456
10.0 GHz	0.226	0.741
18.0 GHz	0.310	1.017
26.5 GHz	0.383	1.256

CALCULATED INSERTION LOSS

$$IL = [K_1 \sqrt{F} + K_2 F] \times \text{Cable Length}$$

F = Frequency in MHz Feet or Meters per table below

	For Cable Length in Feet	For Cable Length in Meters
K_1	0.0021092	0.0069201
K_2	0.0000015	0.0000049

962-032-300

50 Ohm Low Loss Coax Cable

- 18 GHz
- FEP Jacket
- e-PTFE Dielectric
- .304" Jacket Diameter
- Tape+Foil+Braid Shields

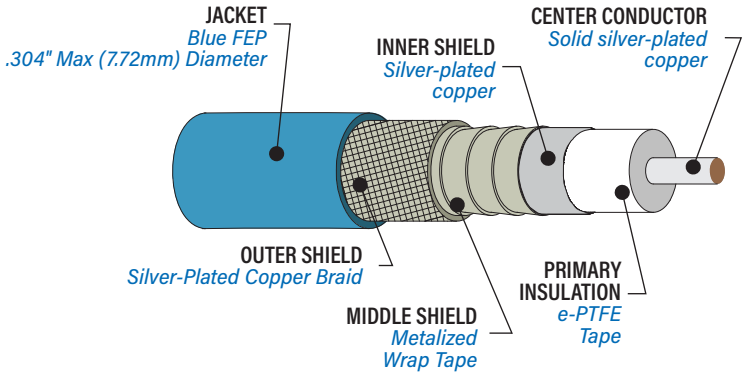
BLUMARK COAX CABLES RF™

50 ohm. Low loss. Triple shield. 18 GHz. 962-032-300 coax cable has expanded PTFE dielectric for low attenuation at microwave frequencies. Abrasion resistant and flexible FEP jacket. Three metallic layers for greater than 90 dB of shielding effectiveness: flat SPC (silver-plated copper) tape inner shield, aluminum/polyimide foil interlayer, and round SPC braid outer shield. Solid SPC center conductor.

SPECIFICATIONS

- 50 ohm
- -55 to +200 °C
- Triple shield: silver plated copper braid over silver plated flat wire shields.
- Cable weight: 39.1 g/ft nom.
- Velocity of Propagation: 80%
- Capacitance (pf/ft): 25.4
- Min. Bend Radius: 1.181 in (30.0 mm)

CONSTRUCTION



ATTENUATION

	Typical Attenuation (dB/ft)	Typical Attenuation (dB/meter)
0.5 GHz	0.036	0.118
1.0 GHz	0.051	0.167
4.0 GHz	0.104	0.341
10.0 GHz	0.167	0.548
18.0 GHz	0.228	0.748

CALCULATED INSERTION LOSS

$$IL = [K_1 \sqrt{F} + K_2 F] \times \text{Cable Length}$$

F = Frequency in MHz Feet or Meters per table below

	For Cable Length in Feet	For Cable Length in Meters
K_1	0.0016033	0.0052601
K_2	0.0000007	0.0000024

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General Information

SuperNine RF

- Insert arrangements based on MIL-STD-1560.
- Fits standard D38999 panel cutouts.
- Scoop-proof interface
- EMI spring on plugs
- Uni-body connector design with common ground plane.
- Hermetic options available.

CONTACT ARRANGEMENTS

Contact Layout	#8	Contact Layout	#12	Contact Layout	#16
9RF5	1	17RF6	6	11RF2	2
11RF1	1	21RF11	11	13RF4	4
17RF75	2	25RF19	19	15RF5	5
19RF4	4			17RF8	8
21RF75	4			19RF11	11
23RF5	5			21RF16	16
23RF6	6			23RF21	21
25RF8	8			23RF97	16
				23RF99	11
				25RF29	29
				25RF37	37

Series 806 RF

- Large variety of contact arrangements.
- Reduced size and weight compared to D38999.
- Low-profile socket design based on D38999 Series II.
- EMI spring on plugs
- Uni-body connector design with common ground plane.
- Hermetic options available.

CONTACT ARRANGEMENTS

Contact Layout	#8	Contact Layout	#12	Contact Layout	#16
10RF1	1	9RF1	1	8RF1	1
16RF2	2	12RF2	2	10RF2	2
18RF3	3	14RF3	3	11RF4	4
20RF4	4	16RF4	4	12RF5	5
22RF5	5	16RF7	7	14RF7	7
24RF8	8	18RF8	8	16RF12	12
		20RF11	11	18RF15	15
		22RF13	13	20RF22	22
		24RF19	19	22RF24	24
				24RF35	35

SERIES 795

- Dual lobe scoop-proof interface
- Uni-body connector design with common ground plane
- EMI spring on receptacles (optional)
- High density rectangular form factor

CONTACT ARRANGEMENTS

Contact Layout	#8	Contact Layout	#12	Contact Layout	#16
8-1RF2	2	12-1RF3	3	16-1RF2	2
8-1RF3	3	12-1RF5	5	16-1RF3	3
8-1RF4	4	12-1RF6	6	16-1RF5	5
8-1RF5	5	12-2RF5	5	16-1RF7	7
8-2RF5	5	12-2RF7	7	16-1RF9	9
8-2RF7	7	12-2RF9	9	16-2RF5	5
8-2RF9	9	12-2RF11	11	16-2RF9	9
		12-2RF13	13	16-2RF13	13
		12-2RF15	15	16-2RF17	17
		12-2RF17	17		

Selection Guide

SuperNine RF

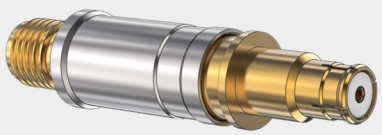
Multi-Port RF Circular Connectors

- Fifteen MIL-STD-1560 layouts for size #8, #12, or #16 RF contacts (sold separately)
- Rugged aluminum or stainless steel shells
- Environmental
- Scoop-proof interface
- EMI spring on plugs
- Snap-in, rear-release contacts

CONSTRUCTION

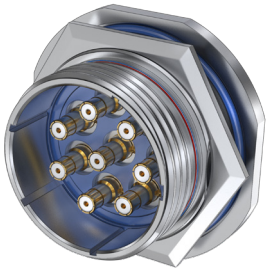
- **Shell**: aluminum or stainless steel
- **Seal/Grommet**: fluorosilicone blend
- **Ground Spring**: copper alloy

G-Link RF Contacts



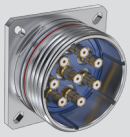
18 GHz G-Link RF contacts have a BMB-style mating end and a female SMA interface on the back end. Attach a standard SMA plug cable to the G-Link RF contact.

One to 29 contacts, Size 8, 12, or 16. 233-290 connectors have machined aluminum or stainless steel shells and fluorosilicone grommet for environmental protection. Plugs feature a copper alloy ground spring for EMI protection. Fifteen contact layouts available in eight different shell sizes. Supplied without contacts, order #8 BMB, #12 SMPM, or #16 SMPS contacts separately.

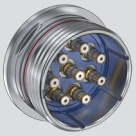


Connector Selection Guide

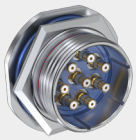
233-290-G6
Plug, EMI Spring
Page 17



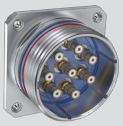
233-290-00
Wall-Mount Receptacle
Page 18



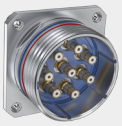
233-290-05
In-Line Receptacle
Page 19



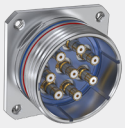
233-290-07
Jam Nut Receptacle
Page 19



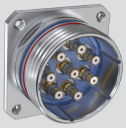
233-290-CS
Wall Mount Receptacle, Standard Clinch Nuts
Page 20



233-290-CM
Wall Mount Receptacle, Metric Clinch Nuts
Page 20



233-290-HS
Wall Mount Receptacle, Standard Helicoils
Page 21



233-290-HM
Wall Mount Receptacle, Metric Helicoils
Page 21

2333-2002
Connector Receptacle Code Red Lightweight Hermetic
Page 22

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Dimensions in Inches (millimeters) are subject to change without notice.

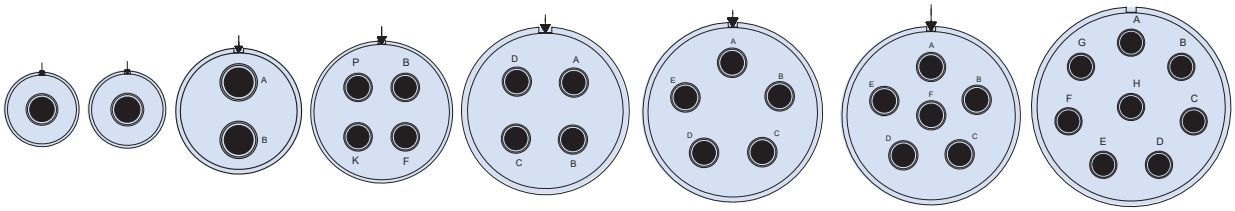
SuperNine RF Insert Arrangements

SuperNine RF Size 8 Contact Arrangements

Optimized for Size #8 BMB Contacts

Cable Diameter: .305" Max

Max Frequency: 18 GHz



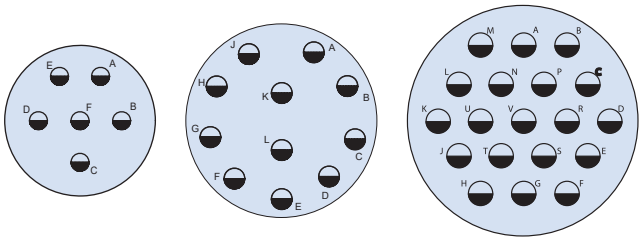
Arrangement No.	9RF5	11RF1	17RF75	19RF4	21RF75	23RF5	23RF6	25RF8
	Shell Sz. 9 1 contact	Shell Sz. 11 1 contact	Shell Sz. 17 2 contacts	Shell Sz. 19 4 contacts	Shell Sz. 21 4 contacts	Shell Sz .23 5 contacts	Shell Sz .23 6 contacts	Shell Sz, 25 8 contacts

SuperNine RF Size 12 Contact Arrangements

Optimized for Size #12 SMPM Contacts

Cable Diameter: .150" Max

Max Frequency: 40 GHz



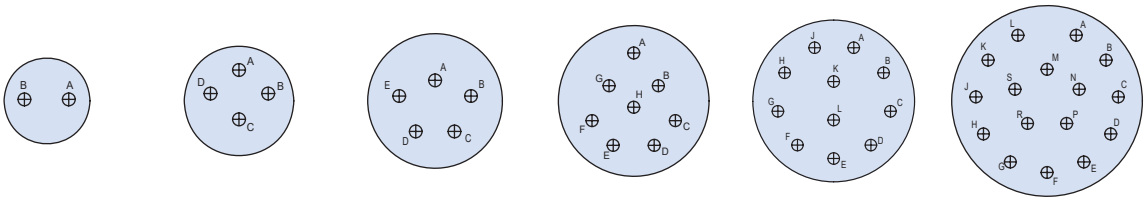
Arrangement No.	17RF6	21RF11	25RF19
	Shell Sz. 17 6 contacts	Shell Size 21 11 contacts	Shell Size 25 19 contacts

SuperNine RF Size 16 Contact Arrangements

Optimized for Size #16 SMPS Contacts

Cable Diameter: .086" Max

Max Frequency: 65 GHz

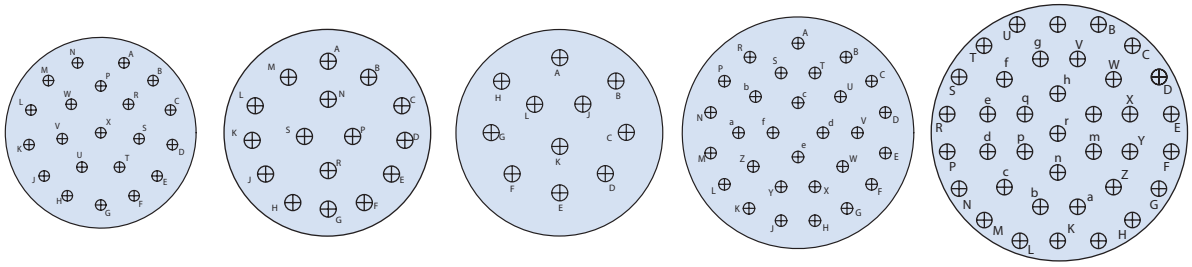


Arrangement No.	11RF2	13RF4	15RF5	17RF8	19RF11	21RF16
	Shell Sz. 11 2 contacts	Shell Sz. 13 4 contacts	Shell Sz. 15 5 contacts	Shell Sz. 17 8 contacts	Shell Sz. 19 11 contacts	Shell Size 21 16 contacts

Optimized for Size #16 SMPS Contacts

Cable Diameter: .086" Max

Max Frequency: 65 GHz



Arrangement No.	23RF21	23RF97	23RF99	25RF29	25RF37
	Shell Size 23 21 contacts	Shell Size 23 16 contacts	Shell Size 23 11 contacts	Shell Size 25 29 contacts	Shell Size 25 37 contacts

High-Frequency Spring-Loaded Solder Contacts

- Size #8 BMB
- Size #12 SMPM
- Size #16 SMPS

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
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

50-OHM HIGH-FREQUENCY SPRING-LOADED SOLDER CONTACTS

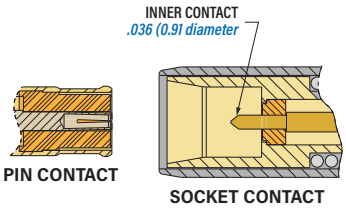
Contact Size / Style	Cable	Pin	Socket
#8 BMB 18 GHz Max* *check max frequency of cable	962-025-047	852-071-06	852-070-06
	962-025-086	852-071-05	852-070-05
	962-025-141	TBD	TBD
	962-032-130	852-071-10	852-070-10
	962-032-160	852-071-11	852-070-11
	962-032-200	852-071-12	852-070-12
	962-032-235	852-071-13	852-070-13
#12 SMPM 40 GHz Max* *check max frequency of cable	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

50 Ohm

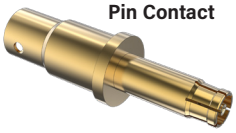
852-071

852-070

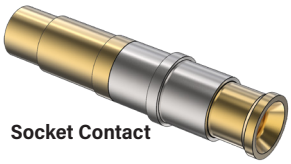


BMB INTERFACE

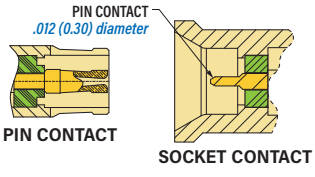
50 Ohm **40 GHz SMPM**



852-099

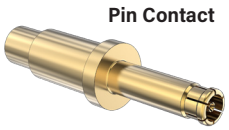


852-154



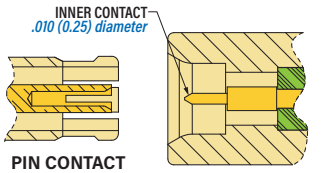
SMPM INTERFACE

50 Ohm **65 GHz SMPS**



852-133

852-134



SMPS INTERFACE

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Dimensions in Inches (millimeters) are subject to change without notice.

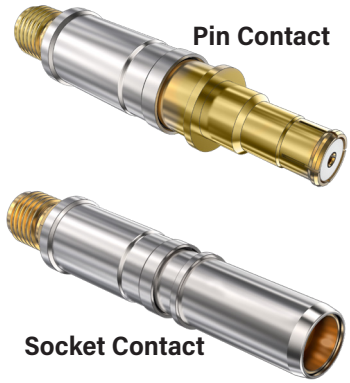
Coax Contacts

For Multi-Port Military/Aerospace Connectors

852-157
852-158

- 50 Ohm
- Size 8
- 18 GHz BMB Style
- G-LinkRF
- Female SMA Adapter
- Integral Release Sleeve

50 Ohm | G-LinkRF



SMA adapter. 18 GHz. 50 ohm. Size 8. Snap-in, rear release coax contacts fit Glenair Series 23 SuperNine RF connectors with size 8 contact cavities. For assemblies with different escape lengths and angled exits. BMB-style contact features G-LinkRF female SMA adapter and integral release sleeve. Attach male SMA plug directly to contact, no soldering required. 50 ohm nominal impedance. DC – 18 GHz frequency range.

PART NUMBER	
Pin Contact	Socket Contact
852-157	852-158

CONNECTOR COMPATIBILITY

SuperNine®

- **Series 233 SuperNine RF** *with size 8 contact cavities*

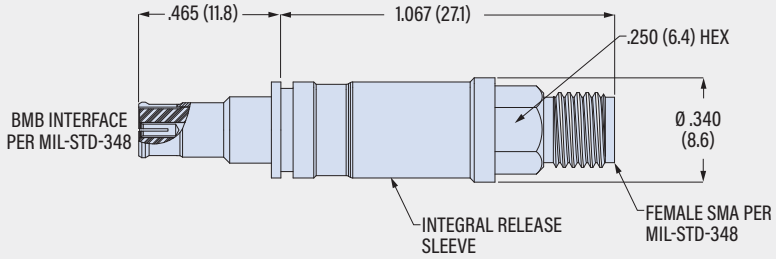
CONSTRUCTION

- **Center contact:** copper alloy, gold over nickel plating
- **Dielectric:** fluoropolymer
- **SMA Body:** copper alloy, gold over nickel plating
- **Front Body:** copper alloy, gold over nickel plating
- **Socket contact outer sleeve:** SST, passivated
- **Pin contact spring:** SST, passivated
- **Integral release sleeve:** SST, passivated

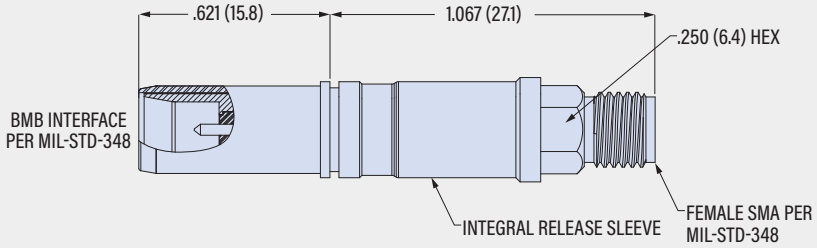
SPECIFICATIONS

- **Dielectric withstanding voltage:** 1000 Vac rms
- **Frequency range:** DC – 18 GHz
- **VSWR:** 1.45 maximum
- **Impedance:** 50 ohm nominal

852-157 PIN CONTACT



852-158 SOCKET CONTACT



Coax Contacts

For Multi-Port Military/Aerospace Connectors

852-119
852-120

- 12 GHz
- Size 8
- 75 Ohm
- Solder+Crimp Termination
- 12G-SDI
- Use with Belden 4855R 4K UHD Video Cable

75 Ohm

75 ohm. 12 GHz. Size 8. 4K UHD video. Snap-in, rear release coax contacts fit Glenair Series 23 SuperNine RF connectors with size 8 contact cavities. 75 ohm nominal impedance. These contacts are designed for use with Belden 4855R 12G-SDI SMPTE cable. DC – 12 GHz frequency range. Center contact is solder termination. Terminate shield with hex crimp. Supplied as unassembled kit with assembly instruction sheet.

PART NUMBER

Coax Cable	Pin Part Number		Socket Part Number	
	With Sealing Boot	No Sealing Boot	With Sealing Boot	No Sealing Boot
4855R *(Belden)*	852-119-01F	852-119-01	852-120-01F	852-120-01

CONNECTOR COMPATIBILITY

SuperNine®

- **Series 233 SuperNine RF** *with size 8 contact cavities*

CONSTRUCTION

- **Center contact, body, clamp nut, ferrule:** copper alloy, gold over nickel plating
- **Dielectrics:** fluoropolymer
- **Sealing boot:** fluorosilicone rubber, glass-filled thermoplastic

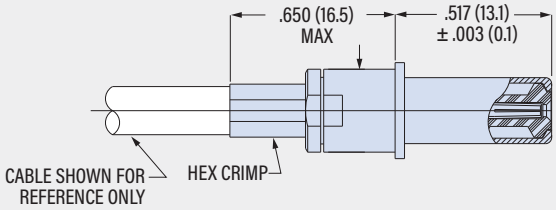
SPECIFICATIONS

- **Operating temperature of Belden cable:** -35 °C to +75 °C
- **Frequency range:** DC – 12 GHz
- **Return loss:** SMPTE ST 2081-1:2015, ST2082-1: 2015
- **Impedance:** 75 ohms
- **Dielectric withstanding voltage:** 500 Vac rms
- **Insulation resistance:** 5000 megohms
- **Durability:** 500 mating cycles

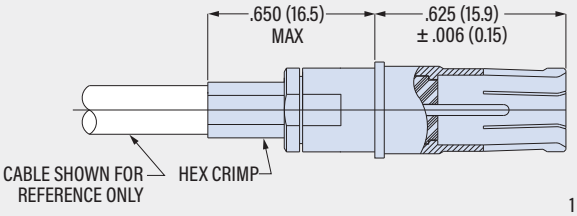
REMOVAL TOOL

859-022
(M81969/14-06)

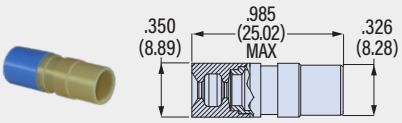
852-119-01 PIN CONTACT



852-120-01 SOCKET CONTACT



SEALING BOOT



Slide boot over cable, rubber end first, before terminating cable to contact. Install wired contact into connector, then slide boot into connector grommet to provide moisture seal.

Part Number	Cable Range
859-042-02	.130/.170 (3.3/4.3)

CRIMP TOOLS

Center contact is solder termination, no crimp tool is necessary. Terminate cable shield to contact with crimp tool and hex die set.

Tool	Part Number
Crimp Tool	809-129 (M22520/5-01)
Die Set, .178 Hex	859-051 (M22520/5-05)

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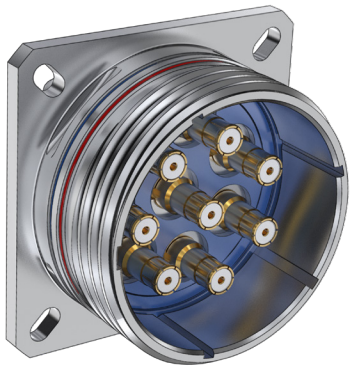
233-290

■ 233-290-G6 Plug



PART NUMBER

	233-290	-00	ME	17RF6	A	N

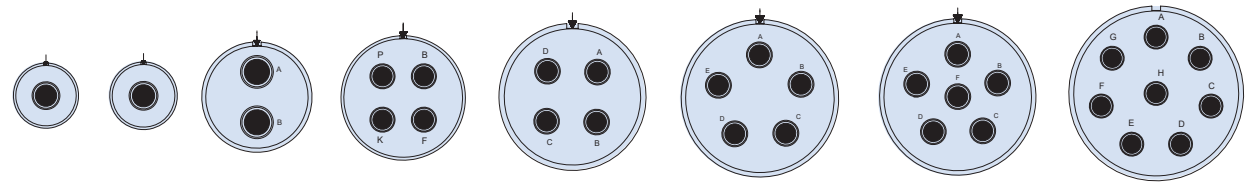
Base P/N	233-290 SuperNine RF Connector
Connector Style	G6 Plug 00 Wall-Mount Receptacle, Slotted Holes 05 In-Line Receptacle 07 Jam Nut Receptacle CS Wall Mount Receptacle, Std. Clinch Nuts CM Wall Mount Receptacle, Metric Clinch Nuts HS Wall-Mount Receptacle, Std. Helicoil HM Wall-Mount Receptacle, Metric Helicoil
Material/ Finish	NF Alum/ Cad/O.D. over Electroless Nickel MT Alum/ Nickel-PTFE ME Alum/ Electroless Nickel ZR Alum/ Black Zinc-Nickel ZL SST/ Nickel Plating
Size and Layout	*See Contact Arrangements Table*
Contact Type	A Pin B Socket
Polarization	A, B, C, D, N

SuperNine RF Size 8 Contact Arrangements

Optimized for size 8 BMB contacts

Cable diameter: .305" Max

Max Frequency: 18 GHz



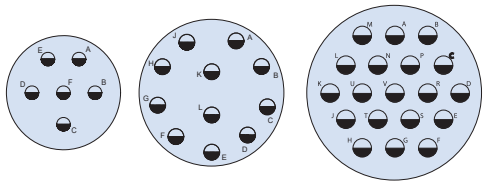
Arrangement No.	9RF5*	11RF1	17RF75	19RF4	21RF75	23RF5	23RF6	25RF8
	Shell Sz. 9 • 1 contacts	Shell Sz. 11 • 1 contact	Shell Sz. 17 • 2 contacts	Shell Sz. 19 • 4 contacts	Shell Sz. 21 • 4 contacts	Shell Sz .23 • 5 contacts	Shell Sz .23 • 6 contacts	Shell Sz, 25 • 8 contacts

SuperNine RF Size 12 Contact Arrangements

Optimized for Size #12 SMPM Contacts

Cable Diameter: .150" Max

Max Frequency: 40 GHz



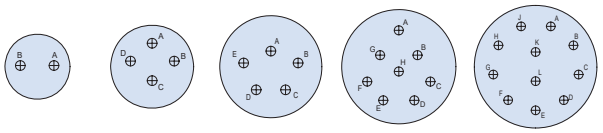
Arrangement No.	17RF6	21RF11	25RF19
	Shell Sz. 17 • 6 contacts	Shell Size 21 • 11 contacts	Shell Size 25 • 19 contacts

SuperNine RF Size 16 Contact Arrangements

Optimized for Size #16 SMPS Contacts

Cable Diameter: .086" Max

Max Frequency: 65 GHz



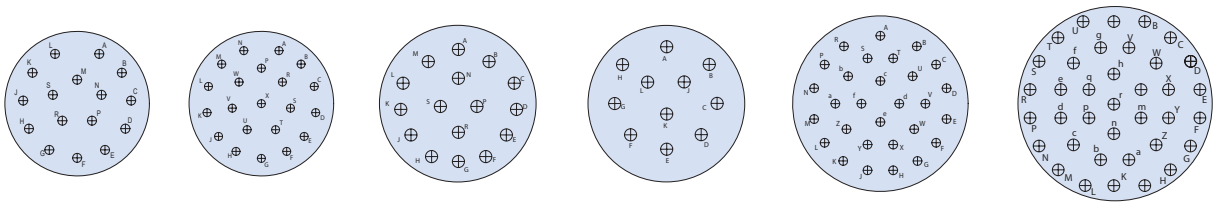
Arrangement No.	11RF2	13RF4	15RF5	17RF8	19RF11
	Shell Sz. 11 • 2 contacts	Shell Sz. 13 • 4 contacts	Shell Sz. 15 • 5 contacts	Shell Sz. 17 • 8 contacts	Shell Sz. 19 • 11 contacts

SuperNine RF Size 16 Contact Arrangements

Optimized for Size #16 SMPS Contacts

Cable Diameter: .086" Max

Max Frequency: 65 GHz

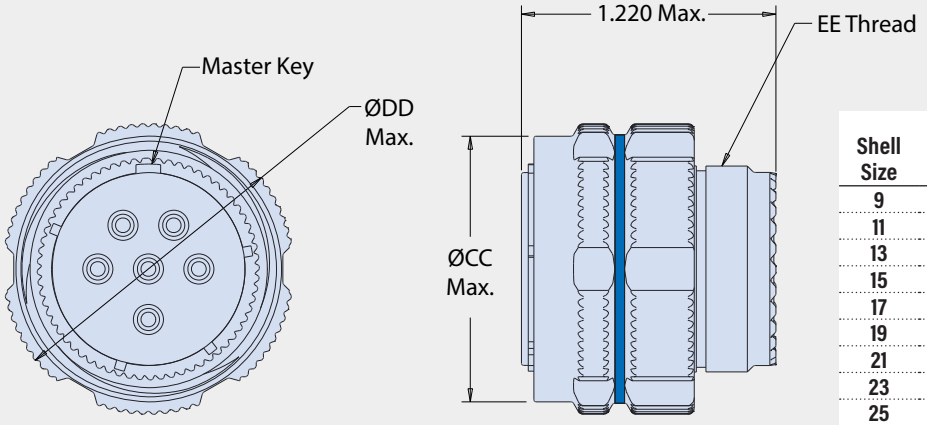


Arrangement No.	21RF16	23RF21	23RF97	23RF99	25RF29	25RF37
	Shell Size 21 • 16 contacts	Shell Size 23 • 21 contacts	Shell Size 23 • 16 contacts	Shell Size 23 • 11 contacts	Shell Size 25 • 29 contacts	Shell Size 25 • 37 contacts

233-290

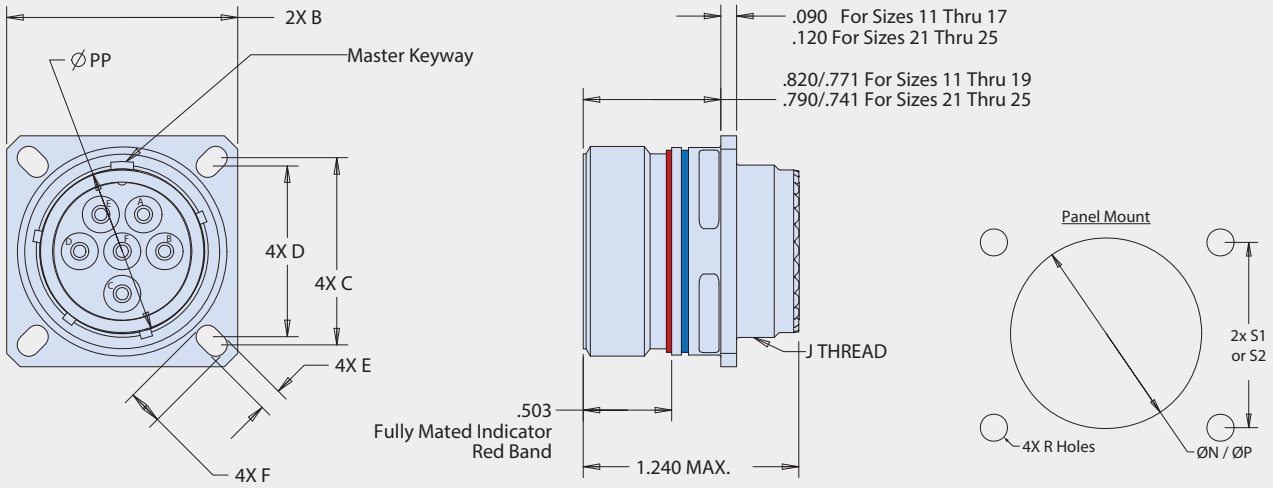
■ **233-290-00 Wall-Mount Receptacle**

233-290-G6 PLUG WITH EMI SPRING



Shell Size	ØCC Max in	ØCC Max mm	ØDD Max in	ØDD Max mm	EE Thread
9	.732	18.59	.858	21.79	M12 X 1.0-6g 0.100R
11	.839	21.31	.984	24.99	M15 X 1.0-6g 0.100R
13	1.008	25.60	1.157	29.39	M18 X 1.0-6g 0.100R
15	1.138	28.91	1.280	32.51	M22 X 1.0-6g 0.100R
17	1.276	32.41	1.406	35.71	M25 X 1.0-6g 0.100R
19	1.382	35.10	1.516	38.51	M28 X 1.0-6g 0.100R
21	1.508	38.30	1.642	41.71	M31 X 1.0-6g 0.100R
23	1.626	41.30	1.768	44.91	M34 X 1.0-6g 0.100R
25	1.752	44.50	1.89	48.01	M37 X 1.0-6g 0.100R

233-290-00 WALL-MOUNT RECEPTACLE WITH SLOTTED HOLES



Shell Size	A Thread -.1P-.3L-TS-2A	B Sq	C Bsc	D Bsc	PP	E	F	J Thread X 1.0-6g 0.100R	ØN Min. (back panel mount)	ØP Min. (front panel mount)	S1 Bsc. (back panel mount)	S2 Bsc. (front panel mount)	ØR Holes
9	.6250	.949 (24.10) .925 (23.50)	.719 (18.26)	.594 (15.09)	.447 (11.35) .441 (11.20)		.224 (5.69) .208 (5.28)	M12	.656 (16.66)	.516 (13.12)	.719 (18.26)	.594 (15.09)	
11	.7500	1.043 (26.49) 1.019 (25.88)	.812 (20.62)	.719 (18.26)	.575 (14.60) .569 (14.45)		.202 (5.13) .186 (4.72)	M15	.796 (20.22)	.625 (15.88)	.812 (20.62)	.719 (18.26)	
13	.8750	1.138 (28.91) 1.092 (27.74)	.906 (23.01)	.812 (20.62)	.687 (17.45) .681 (17.30)			M18	.922 (23.42)	.750 (19.05)	.906 (23.01)	.812 (20.62)	
15	1.0000	1.232 (31.29) 1.208 (30.68)	.969 (24.61)	.906 (23.01)	.812 (20.62) .804 (20.42)	.136 (3.45) .120 (3.05)	.181 (4.60) .165 (4.19)	M22	1.047 (26.59)	.906 (23.01)	.969 (24.61)	.906 (23.01)	.133 (3.38) .123 (3.12)
17	1.1875	1.323 (33.60) 1.299 (32.99)	1.062 (26.97)	.969 (24.61)	.937 (23.80) .930 (23.62)			M25	1.219 (30.96)	1.016 (25.81)	1.062 (26.97)	.969 (24.61)	
19	1.2500	1.449 (36.80) 1.425 (36.20)	1.156 (29.36)	1.062 (26.97)	1.042 (26.47) 1.036 (26.31)		.202 (5.13) .186 (4.72)	M28	1.297 (32.94)	1.141 (28.98)	1.156 (29.36)	1.062 (26.97)	
21	1.3750	1.575 (40.00) 1.551 (39.40)	1.250 (31.75)	1.156 (29.36)	1.167 (29.64) 1.161 (29.49)			M31	1.422 (36.12)	1.266 (32.16)	1.250 (31.75)	1.156 (29.36)	
23	1.5000	1.701 (43.21) 1.677 (42.60)	1.375 (34.92)	1.250 (31.75)	1.292 (32.82) 1.286 (32.66)	.162 (4.11) .146 (3.71)	.250 (6.35) .234 (5.94)	M34	1.547 (39.29)	1.375 (34.93)	1.375 (34.92)	1.250 (31.75)	.159 (4.04) .149 (3.78)
25	1.6250	1.823 (46.30) 1.799 (45.69)	1.500 (38.10)	1.375 (34.92)	1.417 (35.99) 1.411 (35.84)			M37	1.672 (42.47)	1.484 (37.69)	1.500 (38.10)	1.375 (34.92)	

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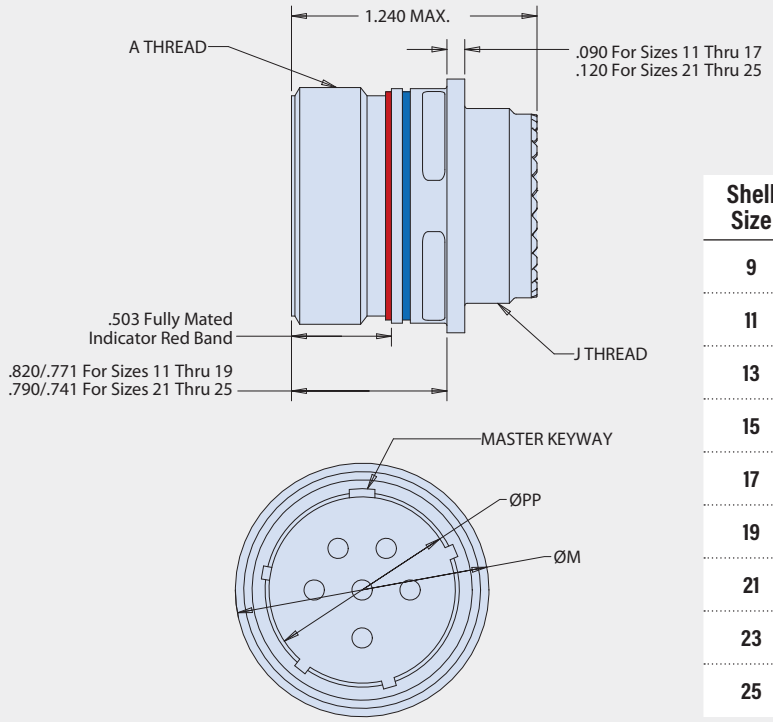
233-290

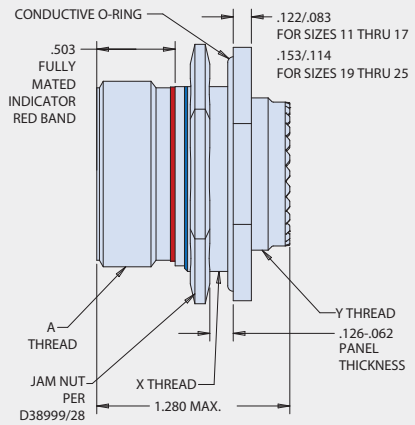
- 233-290-05 In-Line Receptacle
- 233-290-07 Jam-Nut Receptacle

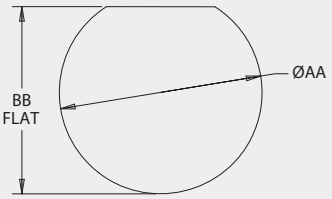
233-290-05 IN-LINE RECEPTACLE

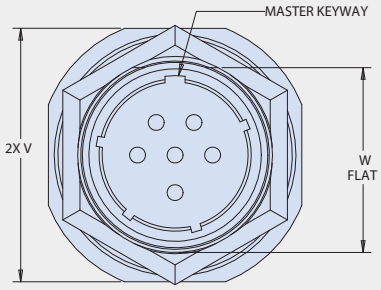


Shell Size	A Thread -.1P-.3L-TS-2A	PP	J Thread X 1.0-6g 0.100R	L Thread	ØM Max
9	.6250	.447 (11.35) .441 (11.20)	M12	.112-40 UNC	.858 (21.79)
11	.7500	.575 (14.60) .569 (14.45)	M15		.984 (24.99)
13	.8750	.687 (17.45) .681 (17.30)	M18		1.157 (29.39)
15	1.0000	.812 (20.62) .804 (20.42)	M22		1.280 (32.51)
17	1.1875	.937 (23.80) .930 (23.62)	M25		1.406 (35.71)
19	1.2500	1.042 (26.47) 1.036 (26.31)	M28		1.516 (38.51)
21	1.3750	1.167 (29.64) 1.161 (29.49)	M31		1.642 (41.71)
23	1.5000	1.292 (32.82) 1.286 (32.66)	M34	.138-32 UNC	1.768 (44.91)
25	1.6250	1.417 (35.99) 1.411 (35.84)	M37		1.890 (48.01)

233-290-07 JAM-NUT RECEPTACLE







Shell Size	A Thread -.1P-.3L-TS-2A	Ø U	V	W Flat	X Thread X 1.0-6g 0.100R	Y Thread X 1.0-6g 0.100R	ØAA	BB Flat
09	.6250	1.200 (30.48) 1.178 (29.92)	1.078 (27.38) 1.048 (26.62)	.654 (16.61) .645 (16.38)	M17	M12	.703 .693	.661 (16.79) .654 (16.61)
11	.7500	1.386 (35.20) 1.362 (34.59)	1.268 (32.21) 1.236 (31.39)	.755 (19.18) .745 (18.92)	M20	M15	.835 .825	.771 (19.58) .761 (19.33)
13	.8750	1.512 (38.40) 1.488 (37.80)	1.390 (35.31) 1.358 (34.49)	.942 (23.93) .932 (23.67)	M25	M18	1.020 1.010	.955 (24.26) .945 (24.00)
15	1.0000	1.638 (41.61) 1.614 (41.00)	1.516 (38.51) 1.484 (37.69)	1.066 (27.08) 1.056 (26.82)	M28	M22	1.145 1.135	1.085 (27.56) 1.075 (27.30)
17	1.1875	1.764 (44.81) 1.740 (44.20)	1.642 (41.71) 1.610 (40.89)	1.191 (30.25) 1.181 (30.00)	M32	M25	1.270 1.260	1.210 (30.73) 1.200 (30.48)
19	1.2500	1.949 (49.50) 1.925 (48.90)	1.827 (46.41) 1.795 (45.59)	1.316 (33.43) 1.306 (33.17)	M35	M28	1.395 1.385	1.335 (33.91) 1.325 (33.65)
21	1.3750	2.075 (52.71) 2.051 (52.10)	1.953 (49.61) 1.921 (48.79)	1.441 (36.60) 1.431 (36.35)	M38	M31	1.520 1.510	1.460 (37.08) 1.450 (36.83)
23	1.5000	2.201 (55.91) 2.177 (55.30)	2.079 (52.81) 2.047 (51.99)	1.566 (39.78) 1.556 (39.52)	M41	M34	1.645 1.635	1.585 (40.26) 1.575 (40.00)
25	1.6250	2.323 (59.00) 2.299 (58.39)	2.205 (56.01) 2.173 (55.19)	1.691 (42.95) 1.681 (42.70)	M44	M37	1.770 1.760	1.710 (43.43) 1.700 (43.18)

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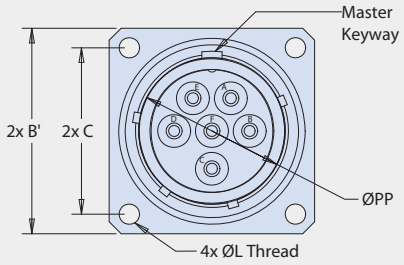
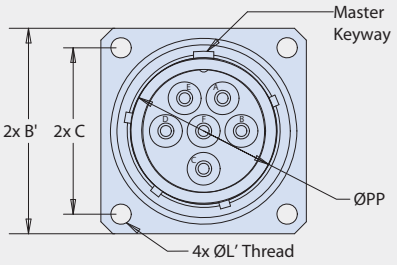
233-290

- 233-290-CS Wall-Mount, Std. Clinch Nuts
- 233-290-CM Wall-Mount, Metric Clinch Nuts

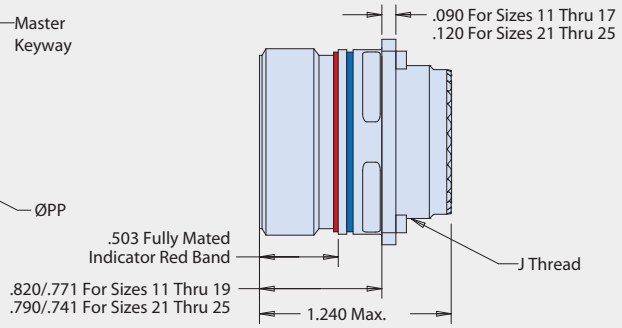
233-290 WALL-MOUNT RECEPTACLE WITH -CS STANDARD OR -CM METRIC CLINCH NUTS

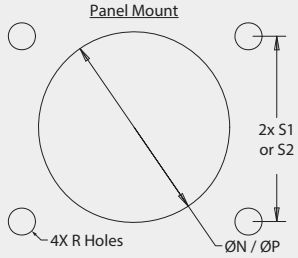


-CS Standard Clinch Nuts



-CM Metric Clinch Nuts





Shell Size	A Thread -.1P-.3L-TS-2A	B'	C Bsc	PP	J Thread	L Thread	L' Thread	ØN Min. (back panel mount)	ØP Min. (front panel mount)	S1 Bsc. (back panel mount)	S2 Bsc. (front panel mount)	ØR Holes
9	.6250	1.039 (26.39) .999 (25.37)	.719 (18.26)	.447 (11.35) .441 (11.20)	M12 X 1.0-6g 0.100R	.112-40 UNC	M3X 0.5	.656 (16.66)	.516 (13.12)	.719 (18.26)	.594 (15.09)	.133 (3.38) .123 (3.12)
11	.7500	1.132 (28.75) 1.092 (27.74)	.812 (20.62)	.575 (14.60) .569 (14.45)	M15 X 1.0-6g 0.100R			.796 (20.22)	.625 (15.88)	.812 (20.62)	.719 (18.26)	
13	.8750	1.226 (31.14) 1.186 (30.12)	.906 (23.01)	.687 (17.45) .681 (17.30)	M18 X 1.0-6g 0.100R			.922 (23.42)	.750 (19.05)	.906 (23.01)	.812 (20.62)	
15	1.0000	1.289 (32.74) 1.249 (31.72)	.969 (24.61)	.812 (20.62) .804 (20.42)	M22 X 1.0-6g 0.100R			1.047 (26.59)	.906 (23.01)	.969 (24.61)	.906 (23.01)	
17	1.1875	1.382 (35.10) 1.342 (34.09)	1.062 (26.97)	.937 (23.80) .930 (23.62)	M25 X 1.0-6g 0.100R			1.219 (30.96)	1.016 (25.81)	1.062 (26.97)	.969 (24.61)	
19	1.2500	1.476 (37.49) 1.436 (36.47)	1.156 (29.36)	1.042 (26.47) 1.036 (26.31)	M28 X 1.0-6g 0.100R			1.297 (32.94)	1.141 (28.98)	1.156 (29.36)	1.062 (26.97)	
21	1.3750	1.582 (40.18) 1.542 (39.17)	1.250 (31.75)	1.167 (29.64) 1.161 (29.49)	M31 X 1.0-6g 0.100R			1.422 (36.12)	1.266 (32.16)	1.250 (31.75)	1.156 (29.36)	
23	1.5000	1.739 (44.17) 1.699 (43.15)	1.375 (34.92)	1.292 (32.82) 1.286 (32.66)	M34 X 1.0-6g 0.100R	.138-32 UNC	M4X 0.7	1.547 (39.29)	1.375 (34.93)	1.375 (34.92)	1.250 (31.75)	.159 (4.04) .149 (3.78)
25	1.6250	1.884 (47.85) 1.824 (46.33)	1.500 (38.10)	1.417 (35.99) 1.411 (35.84)	M37 X 1.0-6g 0.100R			1.672 (42.47)	1.484 (37.69)	1.500 (38.10)	1.375 (34.92)	

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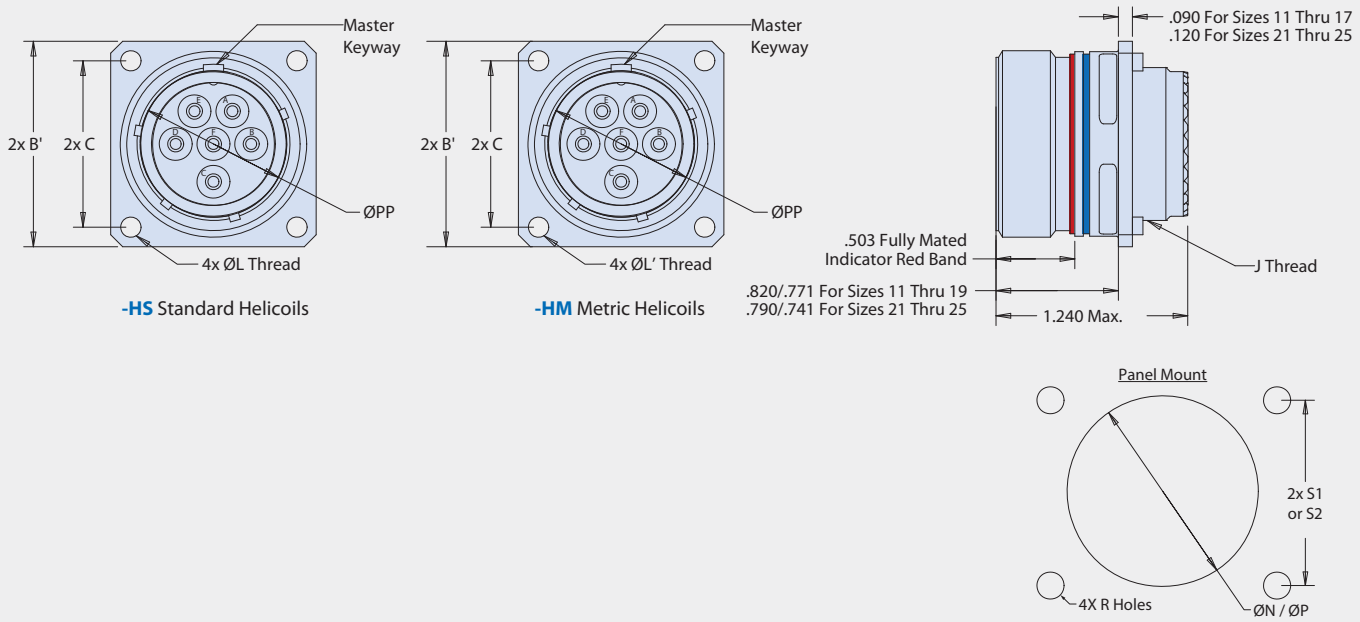
233-290
Plug, EMI Spring

- 233-290-HS Wall-Mount, Std. Helicoils
- 233-290-HM Wall-Mount, Metric Helicoils

233-290 WALL-MOUNT RECEPTACLE WITH -HS STANDARD HELICOILS OR -HM METRIC HELICOILS



Shell Size	A Thread -.1P-.3L-TS-2A	B'	C Bsc	PP	J Thread	L Thread	L' Thread	ØN Min. (back panel mount)	ØP Min. (front panel mount)	S1 Bsc. (back panel mount)	S2 Bsc. (front panel mount)	ØR Holes
9	.6250	1.039 (26.39) .999 (25.37)	.719 (18.26)	.447 (11.35) .441 (11.20)	M12 X 1.0-6g 0.100R	.112-40 UNC	M3X 0.5	.656 (16.66)	.516 (13.12)	.719 (18.26)	.594 (15.09)	.133 (3.38) .123 (3.12)
11	.7500	1.132 (28.75) 1.092 (27.74)	.812 (20.62)	.575 (14.60) .569 (14.45)	M15 X 1.0-6g 0.100R			.796 (20.22)	.625 (15.88)	.812 (20.62)	.719 (18.26)	
13	.8750	1.226 (31.14) 1.186 (30.12)	.906 (23.01)	.687 (17.45) .681 (17.30)	M18 X 1.0-6g 0.100R			.922 (23.42)	.750 (19.05)	.906 (23.01)	.812 (20.62)	
15	1.0000	1.289 (32.74) 1.249 (31.72)	.969 (24.61)	.812 (20.62) .804 (20.42)	M22 X 1.0-6g 0.100R			1.047 (26.59)	.906 (23.01)	.969 (24.61)	.906 (23.01)	
17	1.1875	1.382 (35.10) 1.342 (34.09)	1.062 (26.97)	.937 (23.80) .930 (23.62)	M25 X 1.0-6g 0.100R			1.219 (30.96)	1.016 (25.81)	1.062 (26.97)	.969 (24.61)	
19	1.2500	1.476 (37.49) 1.436 (36.47)	1.156 (29.36)	1.042 (26.47) 1.036 (26.31)	M28 X 1.0-6g 0.100R			1.297 (32.94)	1.141 (28.98)	1.156 (29.36)	1.062 (26.97)	
21	1.3750	1.582 (40.18) 1.542 (39.17)	1.250 (31.75)	1.167 (29.64) 1.161 (29.49)	M31 X 1.0-6g 0.100R			1.422 (36.12)	1.266 (32.16)	1.250 (31.75)	1.156 (29.36)	
23	1.5000	1.739 (44.17) 1.699 (43.15)	1.375 (34.92)	1.292 (32.82) 1.286 (32.66)	M34 X 1.0-6g 0.100R	.138-32 UNC	M4X 0.7	1.547 (39.29)	1.375 (34.93)	1.375 (34.92)	1.250 (31.75)	.159 (4.04) .149 (3.78)
25	1.6250	1.884 (47.85) 1.824 (46.33)	1.500 (38.10)	1.417 (35.99) 1.411 (35.84)	M37 X 1.0-6g 0.100R			1.672 (42.47)	1.484 (37.69)	1.500 (38.10)	1.375 (34.92)	

2333-2002
Connector Receptacle Pin-Pin

■ 2333-2002-07 Jam-Nut Mount Receptacle

SUPERNINE MULTI-PIN RF CONNECTORS

PART NUMBER

	2333-2002	-07	ME	11RF1	N

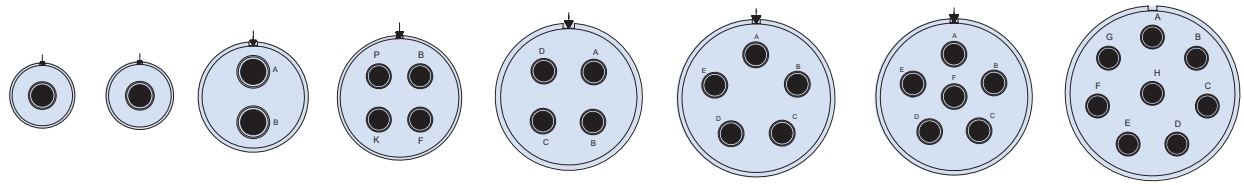
Base P/N	2333-2002
Connector Style	-D0 Wall Mount With Round Holes -07 Jam Nut Mount Receptacle
Material/ Finish	NF Alum/ Cad/O.D. over Electroless Nickel ZR Alum/ Black Zinc-Nickel ME Alum/ Electroless Nickel Z1 SST/ Passivate ZL SST/ Electro-Deposited Nickel
Size and Layout	*See Contact Arrangements Table*
Polarization	A, B, C, D, E, N = Normal

SuperNine RF Size 8 Contact Arrangements

Optimized for size 8 BMB contacts

Cable diameter: .305" Max

Max Frequency: 18 GHz



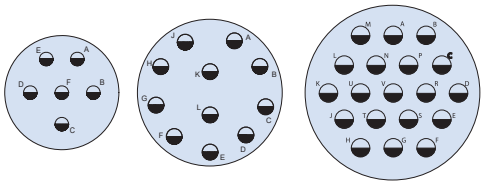
Arrangement No.	9RF5*	11RF1	17RF75	19RF4	21RF75	23RF5	23RF6	25RF8
	Shell Sz. 9 • 1 contact	Shell Sz. 11 • 1 contact	Shell Sz. 17 • 2 contacts	Shell Sz. 19 • 4 contacts	Shell Sz. 21 • 4 contacts	Shell Sz .23 • 5 contacts	Shell Sz .23 • 6 contacts	Shell Sz, 25 • 8 contacts

SuperNine RF Size 12 Contact Arrangements

Optimized for Size #12 SMPM Contacts

Cable Diameter: .150" Max

Max Frequency: 40 GHz



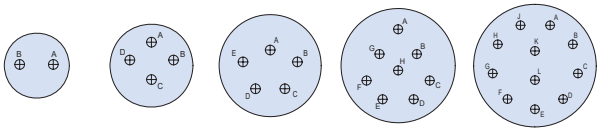
Arrangement No.	17RF6	21RF11	25RF19
	Shell Sz. 17 • 6 contacts	Shell Size 21 • 11 contacts	Shell Size 25 • 19 contacts

SuperNine RF Size 16 Contact Arrangements

Optimized for Size #16 SMPS Contacts

Cable Diameter: .086" Max

Max Frequency: 65 GHz



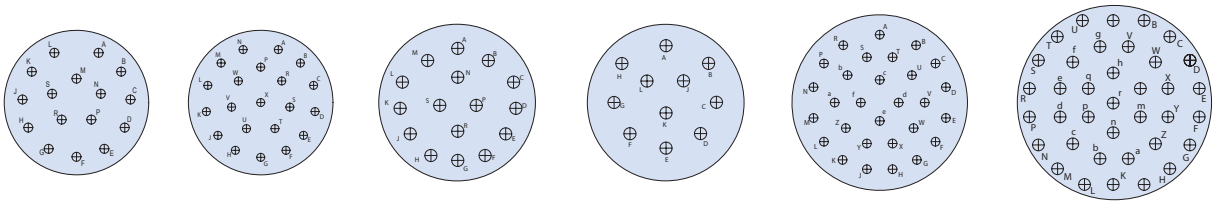
Arrangement No.	11RF2	13RF4	15RF5	17RF8	19RF11
	Shell Sz. 11 • 2 contacts	Shell Sz. 13 • 4 contacts	Shell Sz. 15 • 5 contacts	Shell Sz. 17 • 8 contacts	Shell Sz. 19 • 11 contacts

SuperNine RF Size 16 Contact Arrangements

Optimized for Size #16 SMPS Contacts

Cable Diameter: .086" Max

Max Frequency: 65 GHz



Arrangement No.	21RF16	23RF21	23RF97	23RF99	25RF29	25RF37
	Shell Size 21 • 16 contacts	Shell Size 23 • 21 contacts	Shell Size 23 • 16 contacts	Shell Size 23 • 11 contacts	Shell Size 25 • 29 contacts	Shell Size 25 • 37 contacts

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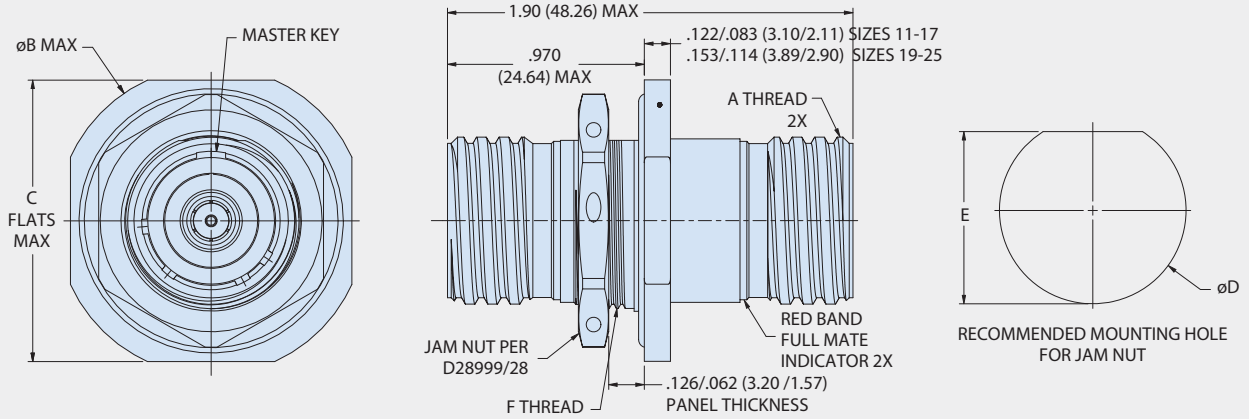
2333-2002
Connector Receptacle Pin-Pin

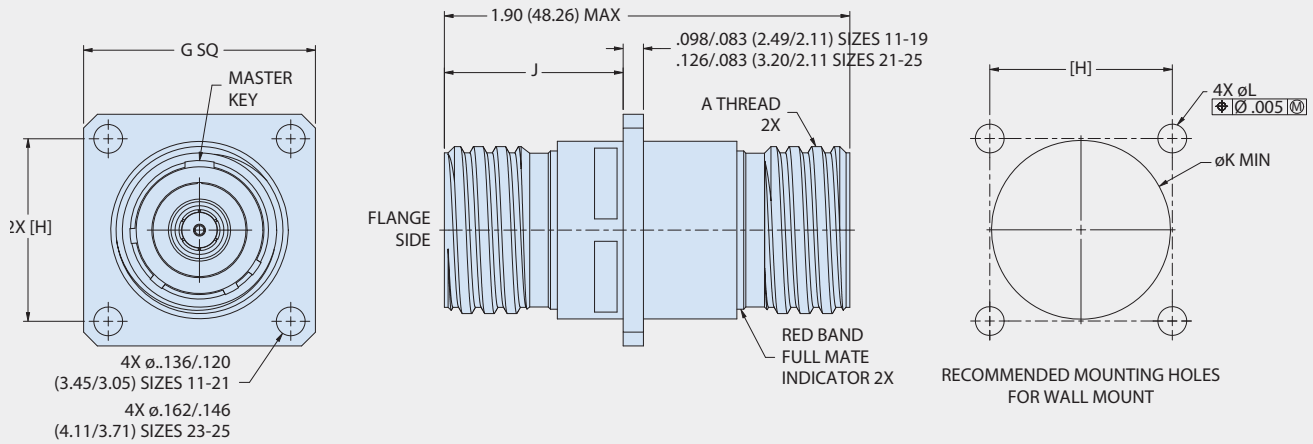
■ 2333-2002-D0 Wall-Mount Receptacle

2333-2002-07 JAM-NUT MOUNT RECEPTACLE



Shell Size	A Thread	ØB	C	F Thread	ØD	E
11	.750-.1P-.3L-TS-2A	1.375 (34.92)	1.252 (31.80)	M20 X 1-6g-.100R	.835/.825 (21.21/ 20.96)	.771/.761 (19.58/ 19.33)
17	1.1875-.1P-.3L-TS-2A	1.752 (44.50)	1.626 (41.30)	M32 X 1-6g-.100R	1.270/1.260 (32.26/ 32.00)	1.210/1.200 (30.73/ 30.48)
19	1.250-.1P-.3L-TS-2A	1.937 (49.20)	1.811 (46.00)	M35 X 1-6g-.100R	1.395/1.385 (35.43/ 35.18)	1.335/1.325 (33.91/ 33.65)
21	1.375-.1P-.3L-TS-2A	2.063 (52.40)	1.937 (49.20)	M38 X 1-6g-.100R	1.520/1.510 (38.61/ 38.35)	1.460/1.450 (37.08/ 36.83)
23	1.500-.1P-.3L-TS-2A	2.189 (55.60)	2.063 (52.40)	M41 X 1-6g-.100R	1.645/1.635 (41.78/ 41.53)	1.585/1.575 (40.26/ 40.00)
25	1.625-.1P-.3L-TS-2A	2.311 (58.70)	2.189 (55.60)	M44 X 1-6g-.100R	1.770/1.760 (44.96/ 44.70)	1.710/1.700 (43.43/ 43.18)

2333-2002-D0 WALL-MOUNT RECEPTACLE



Shell Size	A Thread	G SQ	H BSC	J	øK	øL
11	.750-.1P-.3L-TS-2A	1.043/1.019 (26.49/ 25.88)	0.812 (20.62)	.820/.771 (20.83/ 19.58)	0.796 (20.22)	.133/.123 (3.38/ 3.12)
17	1.1875-.1P-.3L-TS-2A	1.323/1.299 (33.60/ 32.99)	1.062 (26.97)	.820/.771 (20.83/ 19.58)	1.219 (30.96)	.133/.123 (3.38/ 3.12)
19	1.250-.1P-.3L-TS-2A	1.449/1.425 (36.80/ 36.20)	1.156 (29.36)	.820/.771 (20.83/ 19.58)	1.297 (32.94)	.133/.123 (3.38/ 3.12)
21	1.375-.1P-.3L-TS-2A	1.575/1.551 (40.00/ 39.40)	1.250 (31.75)	.790/.741 (20.07/ 18.82)	1.422 (36.12)	.133/.123 (3.38/ 3.12)
23	1.500-.1P-.3L-TS-2A	1.701/1.677 (43.21/ 42.60)	1.375 (34.92)	.790/.741 (20.07/ 18.82)	1.547 (39.29)	.159/.149 (4.04/ 3.78)
25	1.625-.1P-.3L-TS-2A	1.823/1.799 (46.30/ 45.69)	1.500 (38.10)	.790/.741 (20.07/ 18.82)	1.672 (42.47)	.155/.145 (3.94/ 3.68)

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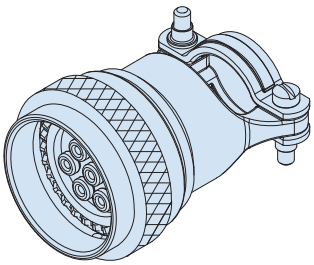
Cable Organizers

SuperNine RF

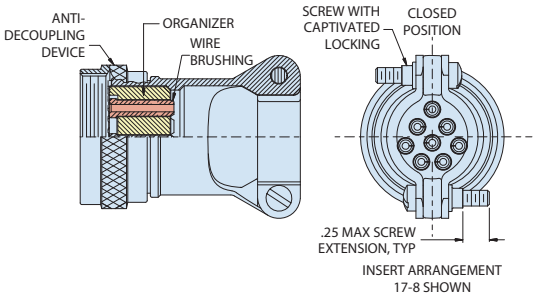


WIRE BUSHING

Applies to 620HS093 and 610HS027

Contact Size	Grommet Material		
	047 Cable	086 Cable	130 Cable
12	Fluorosilicone	Fluorosilicone	Thermoplastic
16	Fluorosilicone	Thermoplastic	N/A

620HS093 STRAIN RELIEF WIRE GUIDE

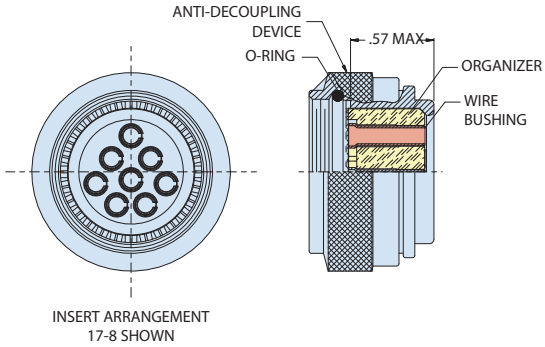


PART NUMBER

	620HS093	ME	17	-8	-047

Base P/N	620HS093
Material/ Finish	NF Alum/ Cad/O.D. over Electroless Nickel MT Alum/ Nickel-PTFE ZR Alum/ Black Zinc-Nickel ME Alum/ Electroless Nickel ZL SST/ Electro-Deposited Nickel
Shell Size	11, 13, 15, 17, 19, 21, 23, 25
Insert Arrangement	Per MIL-STD-1560 *With size 12 or size 16 discrete contacts only*
Coax Cable Size	047 ø.050/.059 086 ø.095/.109 130 ø.125/.135

610HS027 E-NUT



PART NUMBER

	610HS027	ME	17	-8	-086

Base P/N	610HS027
Material/ Finish	NF Alum/ Cad/O.D. over Electroless Nickel MT Alum/ Nickel-PTFE ZR Alum/ Black Zinc-Nickel ME Alum/ Electroless Nickel ZL SST/ Electro-Deposited Nickel
Shell Size	11, 13, 15, 17, 19, 21, 23, 25
Insert Arrangement	Per MIL-STD-1560 *With size 12 or size 16 discrete contacts only*
Coax Cable Size	047 ø.050/.059 086 ø.095/.109 130 ø.125/.135

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Selection Guide

Series 806 RF

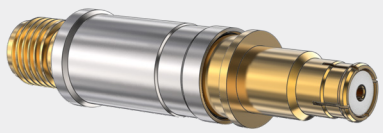
Multi-Port RF Circular Connectors

- Mil-spec performance, micro miniature package
- Eighteen layouts for size #8, #12, or #16 RF contacts (sold separately)
- Rugged aluminum or stainless steel shells
- Environmental
- Scoop-proof interface
- EMI spring on plugs
- Snap-in, rear-release contacts
- Hermetic

CONSTRUCTION

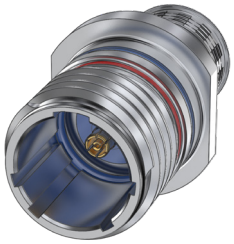
- **Shell:** aluminum or stainless steel
- **Seal/Grommet:** fluorosilicone blend
- **Ground Spring:** copper alloy

G-Link RF Contacts



18 GHz G-Link RF contacts have a BMB-style mating end and a female SMA interface on the back end. Attach a standard SMA plug cable to the G-Link RF contact.

One to 29 contacts, Size 8, 12, or 16. Series 806 RF connectors have machined aluminum or stainless steel shells and fluorosilicone grommet for environmental protection. Plugs feature a copper alloy ground spring for EMI protection. Eighteen contact layouts available in eleven different shell sizes. Supplied without contacts, order #8 BMB, #12 SMPM, or #16 SMPS contacts separately.



Connector Selection Guide

806-072
Cable Plug
Page 29

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Wall-Mount Receptacle
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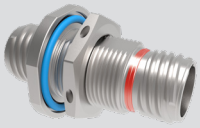
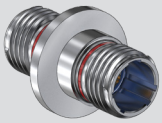
In-Line Receptacle
Page 33

806-080
Jam Nut Receptacle
Page 35

806-082-02
Hermetic Bulkhead Feedthru, Panel Mount
Page 38



806-082-07
Hermetic Bulkhead Feedthru, Jam Nut Mount
Page 39



806-082-13
Hermetic Bulkhead Feedthru, Weld Mount
Page 40

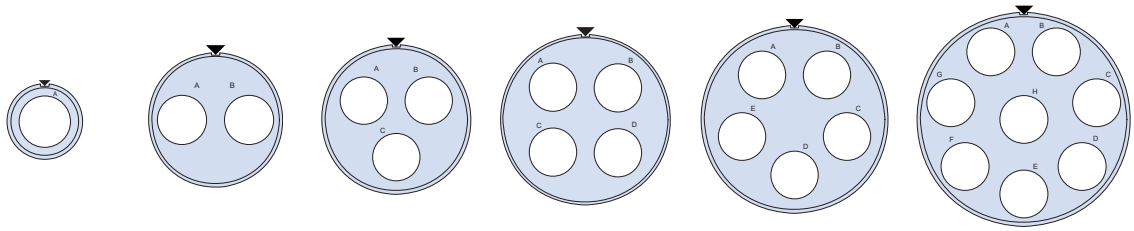
Series 806 RF Insert Arrangements

Series 806 RF Size 8 Contact Arrangements

Optimized for Size #8 BMB Contacts

Cable Diameter: .305" Max

Max Frequency: 18 GHz



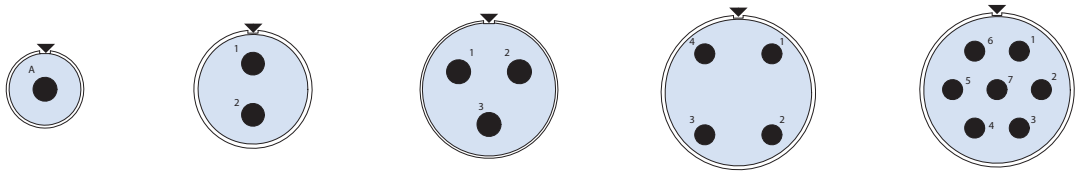
Arrangement No.	10RF1	16RF2	18RF3	20RF4	22RF5	24RF8

Series 806 RF Size 12 Contact Arrangements

Optimized for Size #12 SMPM Contacts

Cable Diameter: .150" Max

Max Frequency: 40 GHz

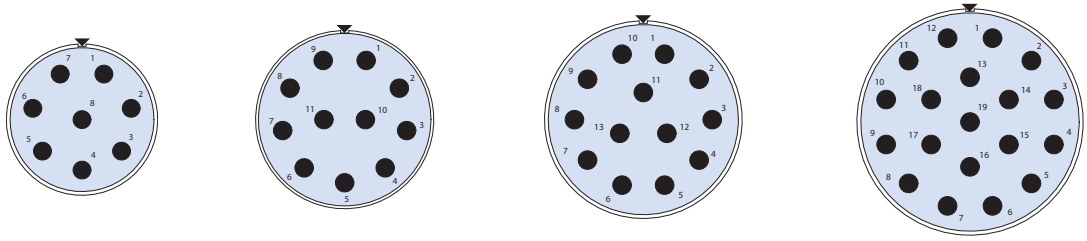


Arrangement No.	9RF1	12RF2	14RF3	16RF4	16RF7

Optimized for Size #12 SMPM Contacts

Cable Diameter: .150" Max

Max Frequency: 40 GHz



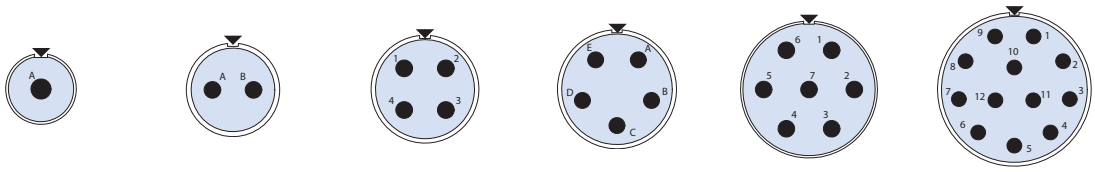
Arrangement No.	18RF8	20RF11	22RF13	24RF19

Series 806 RF Size 16 Contact Arrangements

Optimized for Size #16 SMPS Contacts

Cable Diameter: .086" Max

Max Frequency: 65 GHz

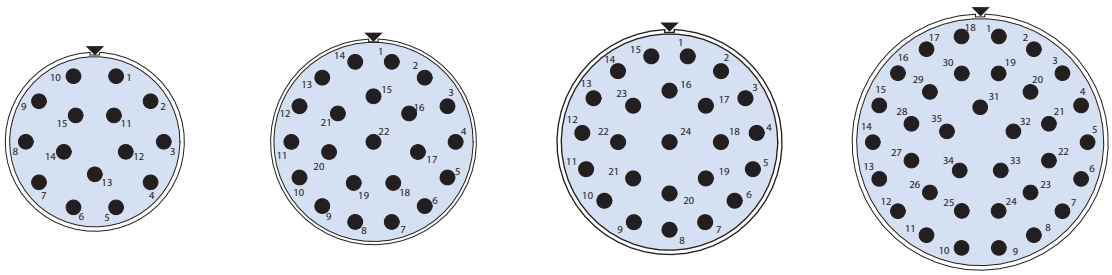


Arrangement No.	8RF1	10RF2	11RF4	12RF5	14RF7	16RF12

Optimized for Size #16 SMPS Contacts

Cable Diameter: .086" Max

Max Frequency: 65 GHz



Arrangement No.	18RF15	20RF22	22RF24	24RF35

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High-Frequency Spring-Loaded Solder Contacts

- Size #8 BMB
- Size #12 SMPM
- Size #16 SMPS

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
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 .059 inches
- Size 12: Up to .030 inches
- Size 16: Up to .025 inches

50-OHM HIGH-FREQUENCY SPRING-LOADED SOLDER CONTACTS

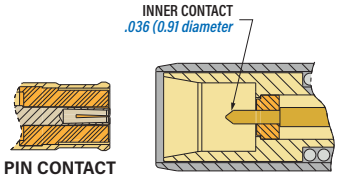
Contact Size / Style	Cable	Pin	Socket
#8 BMB 18 GHz Max* 50-ohm *check max frequency of cable	962-025-047	852-071-06	852-152-06
	962-025-086	852-071-05	852-152-05
	962-025-141	TBD	TBD
	962-032-130	852-071-10	852-152-10
	962-032-160	852-071-11	852-152-11
	962-032-200	852-071-12	852-152-12
	962-032-235	852-071-13	852-152-13
#12 SMPM 40 GHz Max* 50-ohm *check max frequency of cable	962-025-047	852-099-03	852-100-03
	962-025-086	852-099-01	852-100-01
	962-032-130	852-099-04	852-100-04
#16 SMPS 65 GHz Max* 50-ohm	962-025-047	852-133-01 **	852-159-01
	962-025-086	852-314**	852-371

*check max frequency of cable
**Requires contact organizer. Contact factory for details

50 Ohm

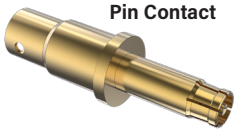
852-071

852-070

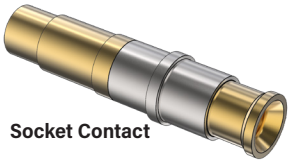


BMB INTERFACE

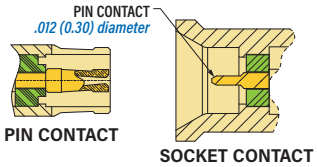
50 Ohm **40 GHz SMPM**



852-099

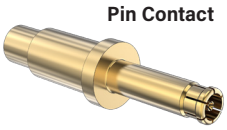


852-100

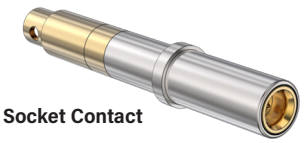


SMPM INTERFACE

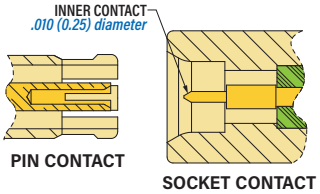
50 Ohm **65 GHz SMPS**



852-133



852-159



SMPS INTERFACE

Coax Contacts

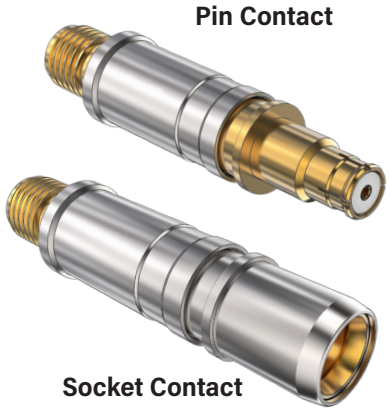
For Multi-Port Military/Aerospace Connectors

852-157
852-256

- Size 8
- 50 Ohm
- 18 GHz BMB Style
- G-Link*RF*
- Female SMA Adapter
- Integral Release Sleeve

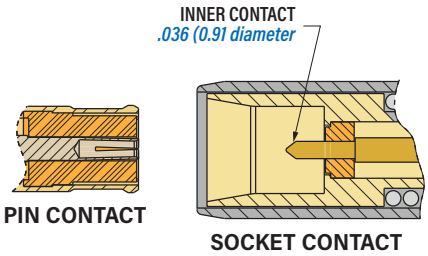
SERIES 806 MULTI-PIN RF CONNECTORS

50 Ohm G-LinkRF



G-LinkRF. SMA adapter. 18 GHz. 50 ohm. Size 8. Snap-in, rear release coax contacts fit Glenair Series 795 and Series 806 RF connectors with size 8 contact cavities. BMB-style contact features G-LinkRF female SMA adapter and integral release sleeve. Attach male SMA plug directly to contact, no soldering required. 50 ohm nominal impedance. DC – 18 GHz frequency range.

PART NUMBER	
Pin Contact	Socket Contact
852-157	852-256



BMB INTERFACE

CONNECTOR COMPATIBILITY

- **Series 795 connectors** *with size 8 contact cavities*

- **Series 806 RF connectors** *with size 8 RF contact cavities (806 RF size 8 contacts are not compatible with standard Series 806)*

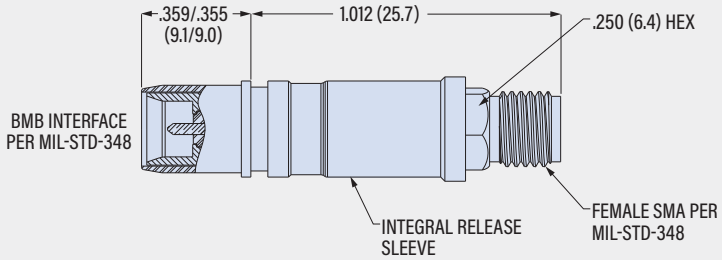
CONSTRUCTION

- **Center contact:** copper alloy, gold over nickel plating
- **Dielectric:** fluoropolymer
- **SMA Body:** copper alloy, gold over nickel plating
- **Front Body:** copper alloy, gold over nickel plating
- **Socket contact outer sleeve:** SST, passivated
- **Socket contact spring:** SST, passivated
- **Integral release sleeve:** SST, passivated

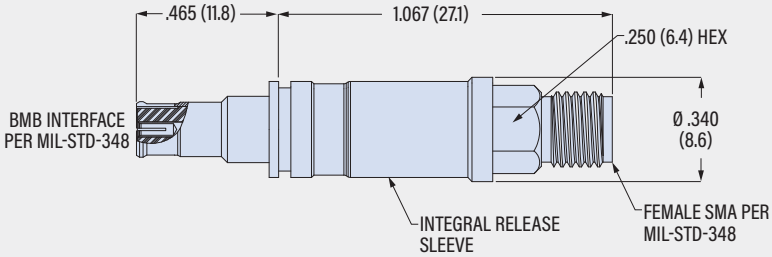
SPECIFICATIONS

- **Operating temperature:** -55 °C to +125 °C
- **Dielectric withstanding voltage:** 1000 Vac rms
- **Frequency range:** DC – 18 GHz
- **VSWR:** 1.45 maximum
- **Impedance:** 50 ohms
- **Durability:** 500 mating cycles

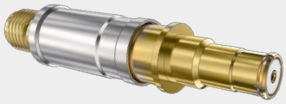
852-256 SOCKET CONTACT



852-157 PIN CONTACT



G-LinkRF



18 GHz G-LinkRF contacts have a BMB-style mating end and a female SMA interface on the back end. Compatible with connectors with size 8 rear-release contact arrangements.

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806-072
Plug, Environmental

How-to-Order

PART NUMBER

806-072 -ME 24RF8 B M A

Base P/N	Series 806 RF Plug
Material/ Finish	NF Alum/ Cad/O.D. over Electroless Nickel MT Alum/ Nickel-PTFE ME Alum/ Electroless Nickel ZR Alum/ Black Zinc-Nickel ZL SST/ Nickel Plating
Size and RF Insert Arrangement	*See Contact Arrangements Table*
Variable for contact Gender	A Less Pin B Less Socket
Shell Rear Style	M Metric Accessory Threads B Nano Band Platform
Polarization	*See Polarization Key Code Table*

CONTACT ARRANGEMENTS

Contact Layout	#8	Contact Layout	#12	Contact Layout	#16
10RF1	1	9RF1	1	8RF1	1
16RF2	2	12RF2	2	10RF2	2
18RF3	3	14RF3	3	11RF4	4
20RF4	4	16RF4	4	12RF5	5
22RF5	5	16RF7	7	14RF7	7
24RF8	8	18RF8	8	16RF12	12
		20RF11	11	18RF15	15
		22RF13	13	20RF22	22
		24RF19	19	22RF24	24
				24RF35	35

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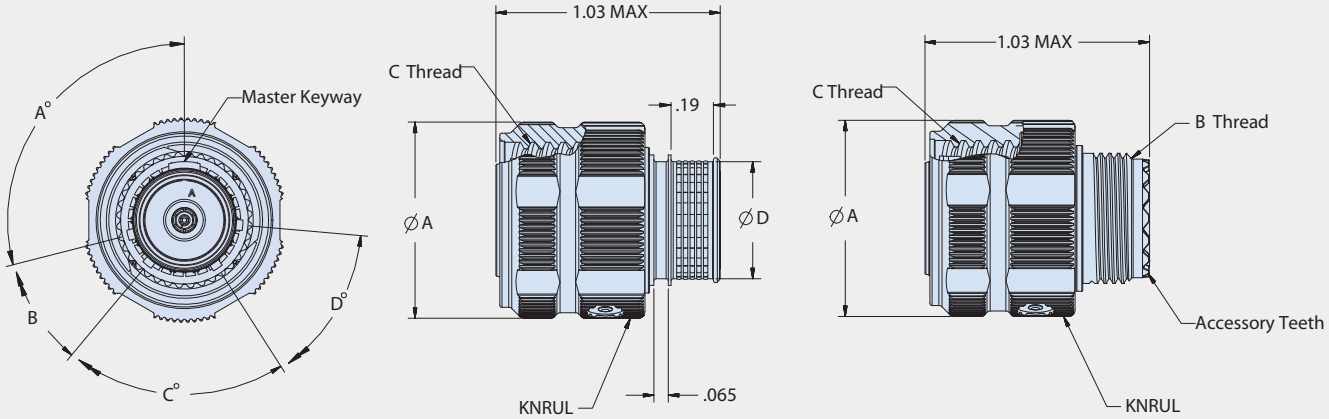
806-072
Plug, Environmental

806-072 BAND PLATFORM



Shell Style B
Band Platform

Shell Style M
Metric Accessory Thread

POLARIZATION KEY CODE

POS	A	B	C	D
A	105	140	215	265
B	102	170	248	305
C	80	150	230	295
D	68	140	205	275
E	64	155	234	304
F	72	120	200	298

Shell Size	Ø A Max	B Thread	Ø D	C Mating THD Triple Start Modified 60° Stub ACME
8	0.676	M10 X 1.0-6g-.100R	0.327	0.500-.067P-.2L-TS-2B
9	0.771	M12 X 1.0-6g-.100R	0.406	0.562-.067P-.2L-TS-2B
10	0.832	M14 X 1.0-6g-.100R	0.484	0.625-.067P-.2L-TS-2B
11	0.890	M15 X 1.0-6g-.100R	0.524	0.688-.067P-.2L-TS-2B
12	0.950	M17 X 1.0-6g-.100R	0.603	0.750-.067P-.2L-TS-2B
14	1.110	M19 X 1.0-6g-.100R	0.681	0.875-.067P-.2L-TS-2B
16	1.170	M22 X 1.0-6g-.100R	0.782	1.000-.067P-.2L-TS-2B
18	1.350	M25 X 1.0-6g-.100R	0.899	1.125-.067P-.2L-TS-2B
20	1.470	M28 X 1.0-6g-.100R	1.043	1.250-.067P-.2L-TS-2B
22	1.600	M31 X 1.0-6g-.100R	1.155	1.375-.067P-.2L-TS-2B
24	1.710	M34 X 1.0-6g-.100R	1.273	1.500-.067P-.2L-TS-2B

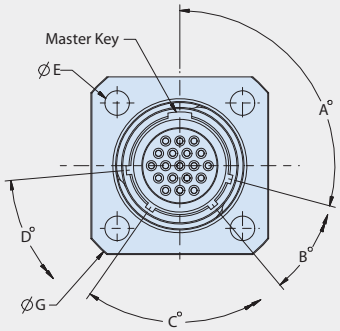
806-073 Wall-Mount Receptacle, Environmental How-to-Order

PART NUMBER

806-073	-ME	24RF8	A	M	T	A

Base P/N	Series 806 RF Wall-Mt. Receptacle	
Material/ Finish	NF	Alum/ Cad/O.D. over Electroless Nickel
	MT	Alum/ Nickel-PTFE
	ME	Alum/ Electroless Nickel
	ZR	Alum/ Black Zinc-Nickel
	ZL	SST/ Nickel Plating
Insert Arrangement	*See Contact Arrangements Table*	
Variable for contact Gender	A	Less Pin
	B	Less Socket
Shell Rear Style	M	Metric Accessory Threads
	B	Nano Band Platform
Panel Mounting Hole Style	T	Thru Hole
	C	Clinch Nut, 4-40 Thd M45938/6-4c *(For Rear Panel Mounting)*
Polarization	*See Polarization Key Code Table*	

POLARIZATION KEY CODE TABLE



POS	A	B	C	D
A	105	140	215	265
B	102	170	248	305
C	80	150	230	295
D	68	140	205	275
E	64	155	234	304
F	72	120	200	298

CONTACT ARRANGEMENTS

Contact Layout	#8	Contact Layout	#12	Contact Layout	#16
10RF1	1	9RF1	1	8RF1	1
16RF2	2	12RF2	2	10RF2	2
18RF3	3	14RF3	3	11RF4	4
20RF4	4	16RF4	4	12RF5	5
22RF5	5	16RF7	7	14RF7	7
24RF8	8	18RF8	8	16RF12	12
		20RF11	11	18RF15	15
		22RF13	13	20RF22	22
		24RF19	19	22RF24	24
				24RF35	35

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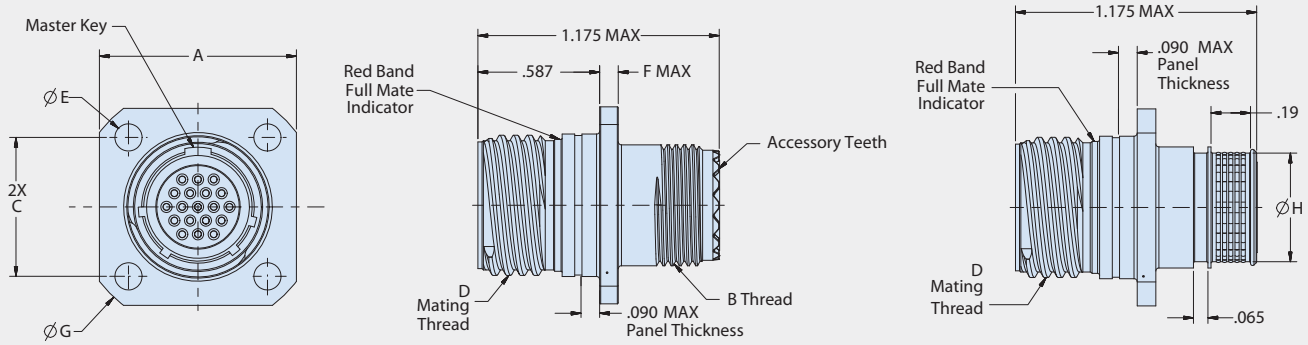
806-073 Wall-Mount Receptacle, Environmental

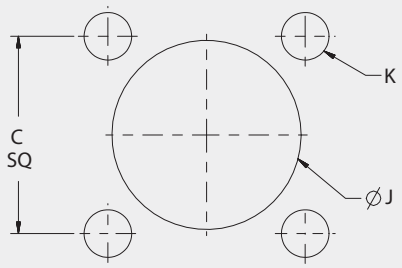
806-073



Shell Style M
Metric Accessory Thread

Shell Style B
Nano Band Platform

PANEL CUTOUT DIMENSIONS



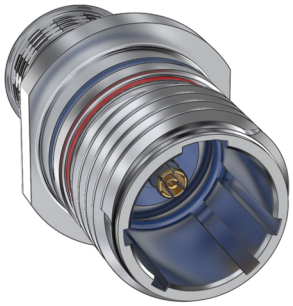
Size	J	With Clinch Nut	Without Clinch Nut
8	0.505	0.128	0.128
9	0.572		
10	0.640		
11	0.707		
12	0.762		
14	0.885		
16	1.01		
18	1.12		
20	1.27		0.154
22	1.395		
24	1.520		

DIMENSIONS

Shell Size	A Max	B Thread	C	D Mating Thread	Ø E Thru Hole	F Max	G Max	Ø H
8	0.822	M10 X 1-6g-.100R	0.531	.5000-.067P-.2L-TS-2A	0.128	0.100	1.040	0.327
9	0.885	M12 X 1-6g-.100R	0.594	.5625-.067P-.2L-TS-2A			1.130	0.406
10	0.913	M14 X 1-6g-.100R	0.625	.6250-.067P-.2L-TS-2A			1.174	0.484
11	0.960	M15 X 1-6g-.100R	0.670	.6875-.067P-.2L-TS-2A			1.200	0.524
12	1.040	M17 X 1-6g-.100R	0.765	.7500-.067P-.2L-TS-2A			1.354	0.603
14	1.133	M19 X 1-6g-.100R	0.859	.8750-.067P-.2L-TS-2A			1.510	0.681
16	1.227	M22 X 1-6g-.100R	0.938	1.000-.067P-.2L-TS-2A			1.620	0.782
18	1.320	M25 X 1-6g-.100R	1.016	1.1250-.067P-.2L-TS-2A			1.784	0.899
20	1.444	M28 X 1-6g-.100R	1.109	1.250-.067P-.2L-TS-2A	0.154	0.125	1.910	1.043
22	1.570	M31 X 1-6g-.100R	1.203	1.3750-.067P-.2L-TS-2A			2.083	1.155
24	1.696	M34 X 1-6g-.100R	1.312	1.5000-.067P-.2L-TS-2A			2.200	1.273

806-079 In-Line Receptacle, Environmental

How-to-Order



PART NUMBER

806-079 -ME 24RF8 A M A

Base P/N	Series 806 RF In-Line Receptacle
Material/ Finish	NF Alum/ Cad/O.D. over Electroless Nickel MT Alum/ Nickel-PTFE ME Alum/ Electroless Nickel ZR Alum/ Black Zinc-Nickel ZL SST/ Nickel Plating
Insert Arrangement	*See Contact Arrangements Table*
Variable for contact Gender	A Less Pin B Less Socket
Shell Style	M Metric Accessory Threads B Band (Platform for Attaching Cable Shield)
Polarization	*See Polarization Key Code Table*

CONTACT ARRANGEMENTS

Contact Layout	#8	Contact Layout	#12	Contact Layout	#16
10RF1	1	9RF1	1	8RF1	1
16RF2	2	12RF2	2	10RF2	2
18RF3	3	14RF3	3	11RF4	4
20RF4	4	16RF4	4	12RF5	5
22RF5	5	16RF7	7	14RF7	7
24RF8	8	18RF8	8	16RF12	12
		20RF11	11	18RF15	15
		22RF13	13	20RF22	22
		24RF19	19	22RF24	24
				24RF35	35

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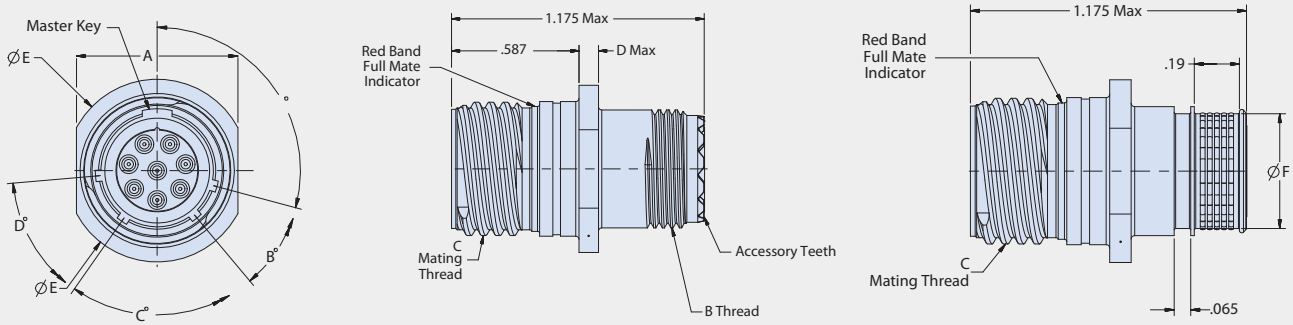
806-079 In-Line Receptacle, Environmental

806-079



Shell Style M
Metric Accessory Thread

Shell Style B
Nano Band Platform

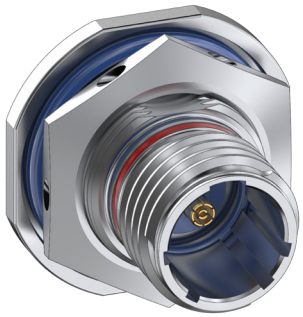
POLARIZATION KEY CODE TABLE

POS	A	B	C	D
A	105	140	215	265
B	102	170	248	305
C	80	150	230	295
D	68	140	205	275
E	64	155	234	304
F	72	120	200	298

DIMENSIONS

Shell Size	Ø A ± 0.01	B Thread	C Mating Thread	D Max	Ø E	Ø F
8	0.545	M10 X 1-6g-.100R	.5000-.067P-.2L-TS-2A	0.100	0.635	0.327
9	0.612	M12 X 1-6g-.100R	.5625-.067P-.2L-TS-2A		0.702	0.406
10	0.680	M14 X 1-6g-.100R	.6250-.067P-.2L-TS-2A		0.770	0.484
11	0.747	M15 X 1-6g-.100R	.6875-.067P-.2L-TS-2A		0.837	0.524
12	0.803	M17 X 1-6g-.100R	.7500-.067P-.2L-TS-2A		0.893	0.603
14	0.925	M19 X 1-6g-.100R	.8750-.067P-.2L-TS-2A		1.015	0.681
16	1.050	M22 X 1-6g-.100R	1.000-.067P-.2L-TS-2A		1.140	0.782
18	1.16	M25 X 1-6g-.100R	1.1250-.067P-.2L-TS-2A		1.250	0.899
20	1.310	M28 X 1-6g-.100R	1.250-.067P-.2L-TS-2A	0.125	1.400	1.043
22	1.435	M31 X 1-6g-.100R	1.3750-.067P-.2L-TS-2A		1.525	1.155
24	1.560	M34 X 1-6g-.100R	1.500-.067P-.2L-TS-2A		1.650	1.273

806-080 Jam-Nut Receptacle, Environmental How-to-Order

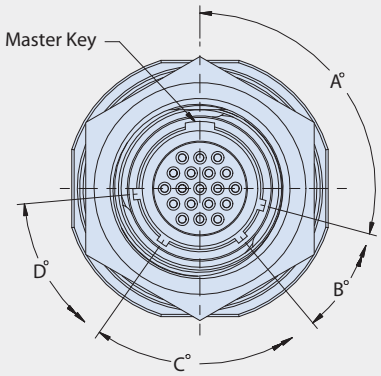


PART NUMBER

	806-080	-ME	24RF8	A	M	A

Base P/N	Series 806 RF Jam-Nut Receptacle
Material/ Finish	NF Alum/ Cad/O.D. over Electroless Nickel MT Alum/ Nickel-PTFE ME Alum/ Electroless Nickel ZR Alum/ Black Zinc-Nickel ZL SST/ Nickel Plating
Insert Arrangement	*See Contact Arrangements Table*
Variable for contact Gender	A Less Pin B Less Socket
Shell Style	M Metric Accessory Threads B Band (Platform for Attaching Cable Shield)
Polarization Keyway Code	*See Polarization Key Code Table*

POLARIZATION KEY CODE TABLE



POS	A	B	C	D
A	105	140	215	265
B	102	170	248	305
C	80	150	230	295
D	68	140	205	275
E	64	155	234	304
F	72	120	200	298

CONTACT ARRANGEMENTS

Contact Layout	#8	Contact Layout	#12	Contact Layout	#16
10RF1	1	9RF1	1	8RF1	1
16RF2	2	12RF2	2	10RF2	2
18RF3	3	14RF3	3	11RF4	4
20RF4	4	16RF4	4	12RF5	5
22RF5	5	16RF7	7	14RF7	7
24RF8	8	18RF8	8	16RF12	12
		20RF11	11	18RF15	15
		22RF13	13	20RF22	22
		24RF19	19	22RF24	24
				24RF35	35

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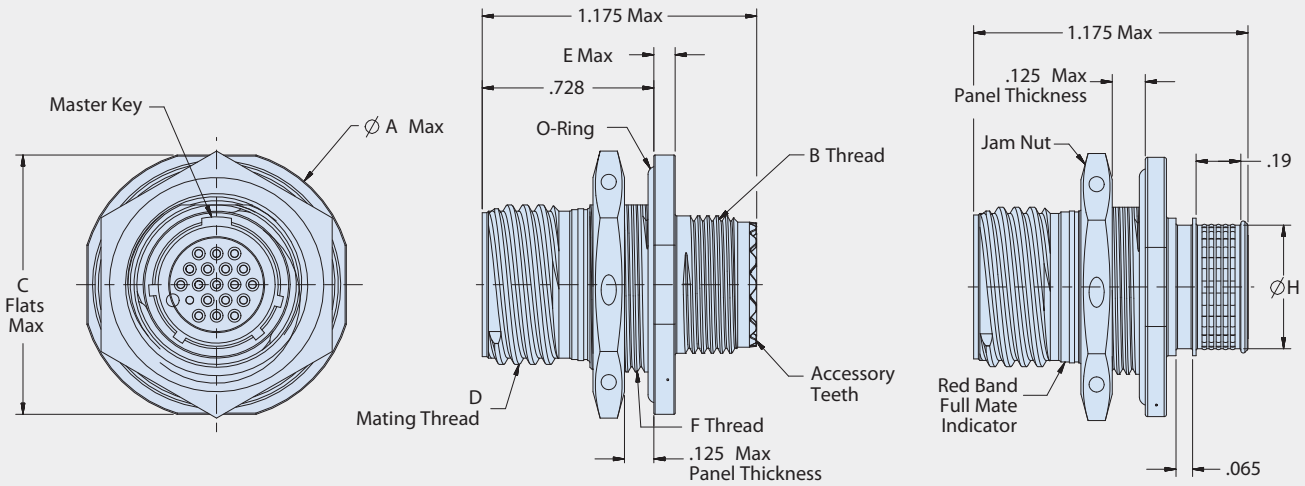
806-080 Jam-Nut Receptacle, Environmental

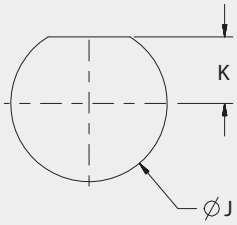
806-080



Shell Style M
Metric Accessory Thread

Shell Style B
Nano Band Platform

PANEL CUTOUT DIMENSIONS



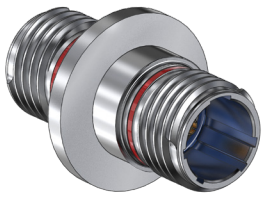
Size	K +.005 -.00	Ø J +.005 -.00
8	0.256	0.601
9	0.287	0.640
10	0.318	0.719
11	0.350	0.759
12	0.381	0.837
14	0.443	0.955
16	0.505	1.073
18	0.568	1.192
20	0.630	1.349
22	0.693	1.467
24	0.775	1.624

DIMENSIONS

Shell Size	Ø A Max	B Thread	C Max	D Mating Thread	E Max	F Thread	Ø H
8	0.980	M10 X 1-6g-.100R	0.920	.5000-.067P-.2L-TS-2A	0.100	M15 X 1-6g-.100R	0.327
9	1.040	M12 X 1-6g-.100R	0.980	.5625-.067P-.2L-TS-2A		M16 X 1-6g-.100R	0.406
10	1.110	M14 X 1-6g-.100R	1.050	.6250-.067P-.2L-TS-2A		M18 X 1-6g-.100R	0.484
11	1.160	M15 X 1-6g-.100R	1.110	.6875-.067P-.2L-TS-2A		M19 X 1-6g-.100R	0.524
12	1.230	M17 X 1-6g-.100R	1.170	.7500-.067P-.2L-TS-2A		M21 X 1-6g-.100R	0.603
14	1.360	M19 X 1-6g-.100R	1.320	.8750-.067P-.2L-TS-2A		M24 X 1-6g-.100R	0.681
16	1.515	M22 X 1-6g-.100R	1.444	1.000-.067P-.2L-TS-2A		M27 X 1-6g-.100R	0.782
18	1.610	M25 X 1-6g-.100R	1.570	1.1250-.067P-.2L-TS-2A		M30 X 1-6g-.100R	0.899
20	1.850	M28 X 1-6g-.100R	1.760	1.250-.067P-.2L-TS-2A	0.128	M34 X 1-6g-.100R	1.043
22	2.010	M31 X 1-6g-.100R	1.913	1.3750-.067P-.2L-TS-2A		M37 X 1-6g-.100R	1.155
24	2.195	M34 X 1-6g-.100R	2.070	1.500-.067P-.2L-TS-2A		M41 X 1-6g-.100R	1.273

806-082 Bulkhead Feed-Thru, Hermetic

How-to-Order Glass-Sealed Hermetic



PART NUMBER

	806-082	-07	Z1	9	RF1	P	P	-01

Base P/N	Series 806 RF Hermetic Feedthru
Mounting Type	01 Box Mount 07 Jam-Nut Mount 13 Weld Mount
Finish	Z1 Passivated ZL Nickel Plated
Shell Size	7, 8, 9, 10, 11, 12, 14, 16, 18, 20, 22, 24
Insert Arrangement and RF Contact	*See Contact Arrangements Table*
Contact Style	P=Pin to Pin configuration
Keyway Polarization	*See Polarization Key Code Table*
Panel Thickness	-01 .125 -02 .250 -03 .500

POLARIZATION KEY CODE TABLE

POS	A	B	C	D
A	105	140	215	265
B	102	170	248	305
C	80	150	230	295
D	68	140	205	275
E	64	155	234	304
F	72	120	200	298

CONTACT ARRANGEMENTS

Contact Layout	#8
10RF1	1
16RF2	2
18RF3	3
20RF4	4
22RF5	5
24RF8	8

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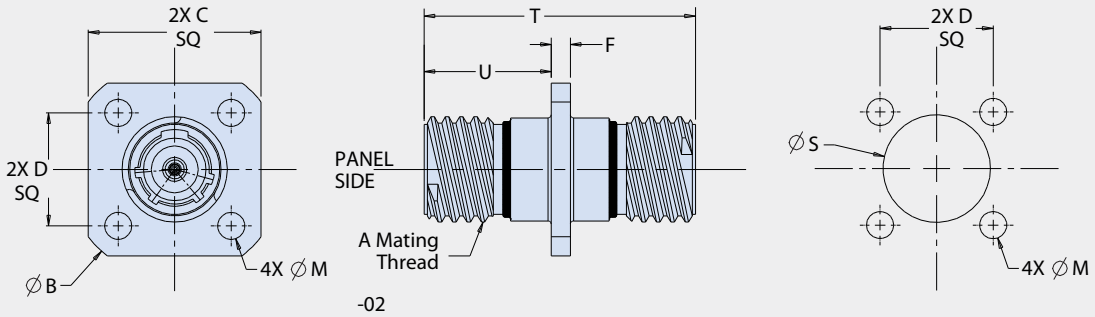
806-082-01 Bulkhead
Feed-Thru, Box-Mount, Hermetic

806-082-01 BOX MOUNT



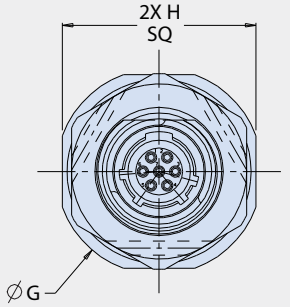
Shell Size	A Thread Mating	Ø B Max Flange	C Square Max Flange Flats	D Square BSC Mounting Holes	F Max Flange	Ø M Thru MTG Holes	Ø S Thru
7	.4375-.067P-.2L-TS-2A	.968 (24.59)	.750 (19.05)	.469 (11.91)			.445 (11.30)
8	.5000-.067P-.2L-TS-2A	1.040 (26.42)	.822 (20.88)	.531 (13.49)			.509 (12.93)
9	.5625-.067P-.2L-TS-2A	1.130 (28.70)	.885 (22.48)	.594 (15.09)			.577 (14.66)
10	.6250-.067P-.2L-TS-2A	1.174 (29.82)	.913 (23.19)	.625 (15.88)			.645 (16.38)
11	.6875-.067P-.2L-TS-2A	1.240 (31.50)	.960 (24.38)	.670 (17.02)	.100 (2.54)	.128 (3.25)	.712 (18.08)
12	.7500-.067P-.2L-TS-2A	1.354 (34.39)	1.040 (26.42)	.765 (19.43)			.768 (19.51)
14	.8750-.067P-.2L-TS-2A	1.510 (38.35)	1.133 (28.78)	.859 (21.82)			.890 (22.61)
16	1.0000-.067P-.2L-TS-2A	1.620 (41.15)	1.227 (31.17)	.938 (23.83)			1.015 (25.78)
18	1.1250-.067P-.2L-TS-2A	1.784 (45.31)	1.320 (33.53)	1.016 (25.81)			1.125 (28.58)
20	1.2500-.067P-.2L-TS-2A	1.810 (45.97)	1.444 (36.68)	1.109 (28.17)			1.275 (32.39)
22	1.3750-.067P-.2L-TS-2A	2.083 (52.91)	1.570 (39.88)	1.203 (30.56)	.125 (3.18)	.154 (3.91)	1.400 (35.56)
24	1.5000-.067P-.2L-TS-2A	2.200 (55.88)	1.686 (42.82)	1.312 (33.32)			1.525 (38.73)

PANEL THICKNESS

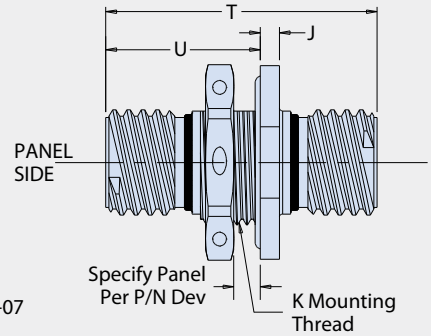
	T Max	U Max
-02	1.400 (35.56)	.875 (22.23)
-03	1.650 (41.91)	1.125 (28.58)

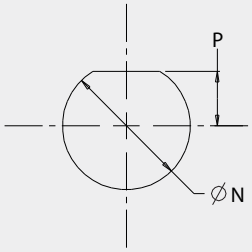
806-082-07 Bulkhead Feed-Thru, Jam-Nut, Hermetic

806-082-07 JAM-NUT MOUNT



-07





-07 Panel Cut-Out

Shell Size	A Thread Mating	Ø G Max Flange	H Square Max Flange Flats	J Max Flange	K Thread Mounting	Ø N +.005/-.000 Mounting Hole	P +.005/-.000 Mounting Flat
7	.4375-.067P-.2L-TS-2A	.848 (21.54)	.908 (23.06)	.100 (2.54)	M13 X 1 -6g .100R	.522 (13.26)	.224 (5.69)
8	.5000-.067P-.2L-TS-2A	.980 (24.89)	.920 (23.37)		M15 X 1-6g .100R	.601 (15.27)	.256 (6.50)
9	.5625-.067P-.2L-TS-2A	1.040 (26.42)	.980 (24.89)		M16 X 1-6g .100R	.640 (16.26)	.287 (7.29)
10	.6250-.067P-.2L-TS-2A	1.110 (28.19)	1.050 (26.67)		M18 X 1-6g .100R	.719 (18.26)	.318 (8.08)
11	.6875-.067P-.2L-TS-2A	1.160 (29.46)	1.110 (28.19)		M19 X 1-6g .100R	.759 (19.28)	.350 (8.89)
12	.7500-.067P-.2L-TS-2A	1.230 (31.24)	1.170 (29.72)		M21 X 1-6g .100R	.837 (21.26)	.381 (9.68)
14	.8750-.067P-.2L-TS-2A	1.360 (34.54)	1.320 (33.53)		M24 X 1-6g .100R	.955 (24.26)	.443 (11.25)
16	1.0000-.067P-.2L-TS-2A	1.515 (38.48)	1.444 (36.68)		M27 X 1-6g .100R	1.073 (27.25)	.505 (12.83)
18	1.1250-.067P-.2L-TS-2A	1.610 (40.89)	1.570 (39.88)		M30 X 1-6g .100R	1.192 (30.28)	.568 (14.43)
20	1.2500-.067P-.2L-TS-2A	1.850 (46.99)	1.760 (44.70)	.128 (3.25)	M34 X 1-6g .100R	1.349 (34.26)	.630 (16.00)
22	1.3750-.067P-.2L-TS-2A	2.010 (51.05)	1.913 (48.59)		M37 X 1-6g .100R	1.467 (37.26)	.693 (17.60)
24	1.5000-.067P-.2L-TS-2A	2.195 (55.75)	2.070 (52.58)		M41 X 1-6g .100R	1.624 (41.25)	.755 (19.18)

PANEL THICKNESS

	T Max	U Max
-02	1.400 (35.56)	.875 (22.23)
-03	1.650 (41.91)	1.125 (28.58)

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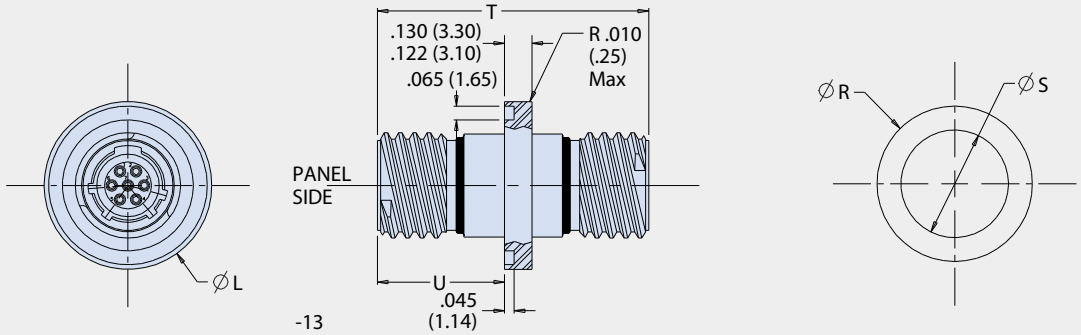
806-082-13 Bulkhead Feed-Thru, Weld-Mount, Hermetic

806-082-13 WELD-MOUNT



-13 Panel Cut-Out

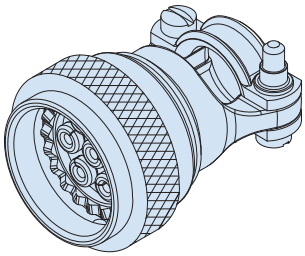
Shell Size	A Thread Mating	Ø L ±.002 Flange	Ø R ±.002 MTG Hole	Ø S Thru
7	.4375-.067P-.2L-TS-2A	.725 (18.42)	.730 (18.54)	.445 (11.30)
8	.5000-.067P-.2L-TS-2A	.788 (20.02)	.793 (20.14)	.509 (12.93)
9	.5625-.067P-.2L-TS-2A	.912 (23.16)	.917 (23.29)	.577 (14.66)
10	.6250-.067P-.2L-TS-2A	.975 (24.76)	.980 (24.89)	.645 (16.38)
11	.6875-.067P-.2L-TS-2A	1.038 (26.37)	1.043 (26.49)	.712 (18.08)
12	.7500-.067P-.2L-TS-2A	1.100 (27.94)	1.105 (28.07)	.768 (19.51)
14	.8750-.067P-.2L-TS-2A	1.225 (31.12)	1.230 (31.24)	.890 (22.61)
16	1.0000-.067P-.2L-TS-2A	1.350 (34.29)	1.355 (34.42)	1.015 (25.78)
18	1.1250-.067P-.2L-TS-2A	1.475 (37.47)	1.480 (37.59)	1.125 (28.58)
20	1.2500-.067P-.2L-TS-2A	1.600 (40.64)	1.605 (40.77)	1.275 (32.39)
22	1.3750-.067P-.2L-TS-2A	1.725 (43.82)	1.730 (43.94)	1.400 (35.56)
24	1.5000-.067P-.2L-TS-2A	1.850 (46.99)	1.855 (47.12)	1.525 (38.73)

PANEL THICKNESS

	T Max	U Max
-02	1.400 (35.56)	.875 (22.23)
-03	1.650 (41.91)	1.125 (28.58)

Cable Organizers

Series 806 RF

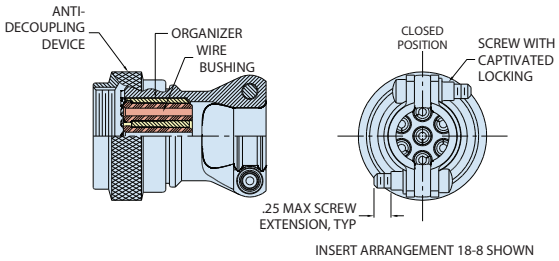


WIRE BUSHING

Applies to 620VS093 and 610VS027

Contact Size	Grommet Material		
	047 Cable	086 Cable	130 Cable
12	Fluorosilicone	Fluorosilicone	Thermoplastic
16	Fluorosilicone	Thermoplastic	N/A

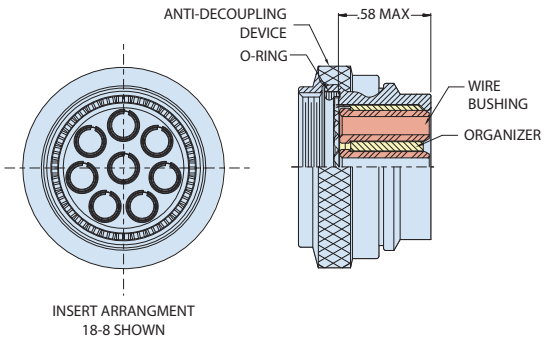
620VS093 STRAIN RELIEF WIRE GUIDE



PART NUMBER

	620VS093	ME	18	-8	-047
Base P/N	620VS093				
Material/ Finish	NF Alum/ Cad/O.D. over Electroless Nickel MT Alum/ Nickel-PTFE ZR Alum/ Black Zinc-Nickel ME Alum/ Electroless Nickel ZL SST/ Electro-Deposited Nickel				
Shell Size	8, 9, 10, 11, 12, 14, 16, 18, 20, 22, 24				
Insert Arrangement	Per 806 RF Series *With size 12 or size 16 discrete contacts only*				
Coax Cable Size	047 ø.050/.059 086 ø.095/.109 130 ø.125/.135				

610VS027 E-NUT



PART NUMBER

	610VS027	ME	18	-8	-086
Base P/N	610VS027				
Material/ Finish	NF Alum/ Cad/O.D. over Electroless Nickel MT Alum/ Nickel-PTFE ZR Alum/ Black Zinc-Nickel ME Alum/ Electroless Nickel ZL SST/ Electro-Deposited Nickel				
Shell Size	8, 9, 10, 11, 12, 14, 16, 18, 20, 22, 24				
Insert Arrangement	Per 806 RF Series *With size 12 or size 16 discrete contacts only*				
Coax Cable Size	047 ø.050/.059 086 ø.095/.109 130 ø.125/.135				

Selection Guide

SERIES 795

Multi-Port RF Rectangular Connectors

Series 795 connectors accommodate up to nine size 8 BMB-style coax contacts. Contacts snap into connector body and are removable. Environmentally protected with fluorosilicone face seal and rear grommet. One piece connector shell provides a common ground plane and also eliminates EMI radiation through the connector.

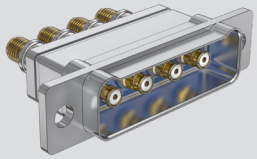
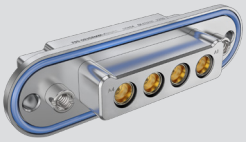
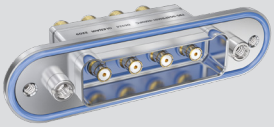
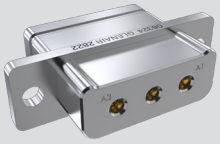
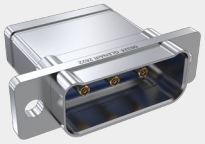
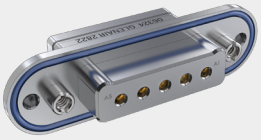
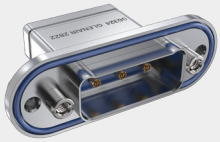
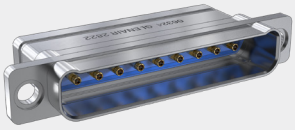
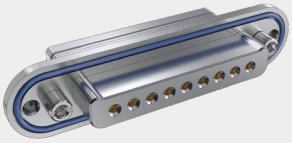
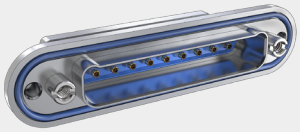
Panel mount receptacle has conductive fluorosilicone O-ring for ingress protection. #8-32 jackscrews provide secure mating in high vibration environments.

G-Link RF Contacts

18 GHz G-Link RF contacts have a BMB-style mating end and a female SMA interface on the back end. Attach a standard SMA plug cable to the G-Link RF contact.

- Seven layouts for two to nine RF ports (contacts sold separately)
- Rugged one-piece aluminum housing
- Environmental
- Scoop-proof interface
- EMI spring
- BMB-style spring-loaded coax contacts
- Snap-in, rear-release contacts

Series 795 RF Connector Selection Guide

Cable Plugs, Socket Contacts	Cable Receptacles, Pin Contacts	Panel Mount Plugs, Socket Contacts	Panel Mount Receptacles, Pin Contacts
795-001S (#8 BMB Contacts)	 795-002P (#8 BMB Contacts)	 795-003S (#8 BMB Contacts)	 795-004P (#8 BMB Contacts)
 795-005S (#12 SMPM Contacts)	 795-006P (#12 SMPM Contacts)	 795-007S (#12 SMPM Contacts)	 795-008P (#12 SMPM Contacts)
795-009S (#16 SMPS Contacts)	 795-010P (#16 SMPS Contacts)	 795-011S (#16 SMPS Contacts)	 795-012P (#16 SMPS Contacts)

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Series 795 General Information

Materials, Finishes, Specifications

SERIES 795

Materials and Finishes

The United States Department of Defense (DoD) has issued a directive to minimize or eliminate the use of cadmium and hexavalent cadmium on DoD equipment. The DoD has approved nickel-PTFE and zinc-nickel shell platings as replacements for cadmium plating. European Union Directive 2002/95/EC on Restriction of the use of certain Hazardous Substances (RoHS) states that certain types of equipment (primarily consumer products such as personal computers) shall not contain lead, mercury, cadmium, hexavalent chromium, PBB's or PBDE's. The three standard shell finish options in this catalog comply with RoHS and DoD directives and are free from cadmium and hexavalent chromium.

MATERIALS AND FINISHES

Description	Material	Finish
Shell	Aluminum alloy 6061	See table below
Interfacial seal	Fluorosilicone blend elastomer	None
Grommet	Fluorosilicone blend elastomer	None
O-ring, conductive	Silver-plated alum. filled fluorosilicone	None
EMI spring	Beryllium copper	Nickel
Contact retention clip	Beryllium copper	None
Jackscrew, jackpost	300 series stainless steel	Passivated

STANDARD CONNECTOR SHELL FINISH CODES

Plating Code	Type	Salt Spray Hours	Application Notes
M	Electroless Nickel	48	Standard finish for Series 795 connectors. Approved for space programs. Excellent conductivity. Reflective. RoHS compliant, Cr6-free. ***ASTM B733 Category SC2***
MT	Nickel-PTFE	500	Excellent corrosion resistance and durability. Excellent conductivity. Matte, light grey appearance. Solderable. RoHS compliant, Cr6-free. ***SAE AMS2454***

ADDITIONAL CONNECTOR SHELL FINISH CODES

Plating Code	Type	Salt Spray Hours	Application Notes
Z1	Passivated Stainless Steel	500	
J	Cadmium/ gold chromate	500	Not allowed in space applications. Excellent conductivity and corrosion resistance. ***Not RoHS compliant***. ***SAE AMS-QQ-P-416***
NF	Cadmium, olive drab chromate	500	Not allowed in space applications. Excellent conductivity and corrosion resistance. ***Not RoHS compliant***. ***SAE AMS-QQ-P-416***
UC	Zinc Cobalt With Black Chromate	240	
E	Chem Film	168	

Series 795 General Information

Specifications

DESCRIPTION	REQUIREMENT	PROCEDURE
Insulation resistance	Not applicable (connector is one piece aluminum)	EIA-364-21
Dielectric withstanding voltage	Not applicable (connector is one piece aluminum)	EIA-364-20
Shell-to-shell resistance (with ground spring)	2.5 millivolt maximum	EIA-364-83
Shielding effectiveness	Frequency / Attenuation dB 100 / 75 1000 / 50 3000 / 44 6000 / 38 10000 / 35	EIA-364-66
Ingress protection	IP67 rating	IEC-60529
Vibration, sine	No discontinuity of greater than 1 microseconds, no cracking, breaking or loosening of parts.	EIA-364-28 Test Condition IV 100 milliamp test current, 10- 2,000 Hz 20 g, 196 m/s2
Vibration, random	No discontinuity of greater than 1 microseconds, no cracking, breaking or loosening of parts, plug shall not become disengaged from receptacle.	364-28 Test Condition V Letter E 100 milliamp test current, 50- 2,000 Hz 16.91 g rms, 8 hrs. each axis
Mechanical shock	No discontinuity of greater than 1 microsecond, no cracking, breaking or loosening of parts, plug shall not become disengaged from receptacle.	EIA-364-27 Condition D 3 shocks X 3 axes X 2 directions = 18 shocks 2941 m/s2 (300 g's), 3 ms, half-sine
Thermal shock	No mechanical damage or loosening of parts. Following thermal shock, connector shall meet contact resistance, DWV, insulation resistance and shell-to-shell resistance requirements	EIA-364-32 Test Condition IV 5 cycles consisting of -65° C 30 minutes, +25° C 5 minutes max., +150° C 30 minutes, +25° C 5 minutes max.
Humidity	No deterioration which will adversely affect the connector. 100 megohms minimum insulation resistance during the final cycle. Following the recovery period, connectors shall meet contact resistance, shell-to-shell resistance and DWV requirements.	EIA-364-31 Method IV 80-98% RH, 10 cycles (10 days), +25° C to +65° C Step 7b vibration deleted. 24 hour recovery period.
Altitude – Low Temperature	5000 megohms minimum insulation resistance.	EIA-364-105, -65° C, 100,000 feet (11 mbar) Wired, mated pairs
Mechanical Durability, at Ambient Temperature	500 cycles	EIA-364-09
Corrosion (Salt Mist)	No exposure of base metal. Connectors shall meet DWV and contact resistance requirements following the test.	EIA-364-26, 5% salt solution, 35° Code M: electroless nickel 48 hours Code MT: nickel-PTFE 500 hours
Impact, Cable Connectors	No impairment of function. Connector shall meet contact resistance, insulation resistance and waterproof sealing.	EIA-364-42, 1 meter, 8 drops
Fluid Immersion	No damage from immersion in various fuels and oils. Connector shall meet mating/unmating force and dielectric withstanding voltage.	EIA-364-10
Altitude Immersion	No evidence of moisture on connector interface or contacts. Connector shall meet dielectric withstanding voltage.	EIA-364-03 75,000 feet simulated altitude
Contact retention, Size #8 BMB coax contacts	25 lbs. minimum	EIA-364-29
Magnetic permeability	2 mu maximum	EIA-364-54
Thermal vacuum outgassing	All nonmetallic materials shall not release greater than 1.0 percent total mass loss (TML) and 0.1 percent collected volatile condensable material (CVCM)	ASTM E595 Test to be performed following 24 hours vacuum bakeout at +125 °C, 10-6 Torr.

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Series 795 General Information

High Reliability Space Flight Applications

SERIES 795

Space Flight Information

Is the Series 795 qualified and approved for space flight?

The Series 795 connector is an RF/microwave version of the space-approved Series 791 connector.

Do Series 795 connectors meet outgassing requirements?

Connectors must be vacuum baked to guarantee compliance with outgassing limits established by NASA and military space programs. The requirements are 1.0 % Total Mass Loss (TML) and 0.1% Collected Volatile Condensable Material (CVCM). ASTM E595 defines the test procedure.

What is vacuum bakeout?

Connectors are placed in a special oven for 24 hours at +125°C and a vacuum of 10^{-6} Torr.

Are Series 795 connectors non-magnetic?

Series 795 connectors meet the 2.0µ magnetic permeability requirement of EIA-364-54. Additional residual magnetism screening is available on request.

Series 795 connectors are available with upgraded screening and vacuum bakeout for high reliability space programs. Find the appropriate code from the following table and add the code to the part number.

Example

795-001SBMB1-4ML-*429C*

SPACE GRADE MODIFICATION CODES

Modification Code	NASA Screening Level: Level 1 Highest Reliability	NASA Screening Level: Level 2 High Reliability	Vacuum Bakeout 24 hours +125 °C
-429		●	
-429A		●	●
-429B	●		
-429C	●		●
-186M			●

NASA Screening Requirements (EEE-INST-002 Table 2C)

Inspection/Test	NASA Screening Level: Level 1 Highest Reliability	NASA Screening Level: Level 2 High Reliability
Visual Inspection	100% 10X magnification	100% 10X magnification
Mechanical Inspection	2 connectors 10X magnification	2 connectors 10X magnification
DWV/IR	2 connectors	2 connectors
Contact Separation Force (non-removable contacts)	2 connectors	Not required
Mating and Unmating Force	2 connectors	Not required
Hermeticity (hermetic connectors only)	100%	100%
Vacuum Bakeout (Optional, depends on Mod code)	100%	100%

High-Frequency Spring-Loaded Solder Contacts

- Size #8 BMB
- Size #12 SMPM
- Size #16 SMPS

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
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 .059 inches
- Size 12: Up to .030 inches
- Size 16: Up to .025 inches

50-OHM HIGH-FREQUENCY SPRING-LOADED SOLDER CONTACTS

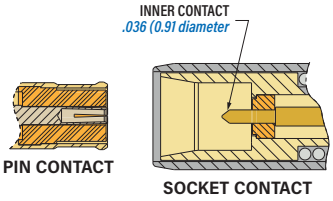
Contact Size / Style	Cable	Pin	Socket
#8 BMB 18 GHz Max* 50-ohm *check max frequency of cable	962-025-047	852-071-06	852-152-06
	962-025-086	852-071-05	852-152-05
	962-025-141	TBD	TBD
	962-032-130	852-071-10	852-152-10
	962-032-160	852-071-11	852-152-11
	962-032-200	852-071-12	852-152-12
	962-032-235	852-071-13	852-152-13
#12 SMPM 40 GHz Max* 50-ohm *check max frequency of cable	962-025-047	852-099-03	852-100-03
	962-025-086	852-099-01	852-100-01
	962-032-130	852-099-04	852-100-04
#16 SMPS 65 GHz Max* 50-ohm	962-025-047	852-133-01	852-159-01
	962-025-086	852-314*	852-371

*check max frequency of cable

50 Ohm

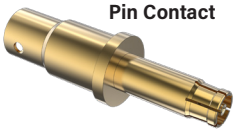
852-071

852-070

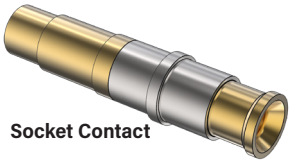


BMB INTERFACE

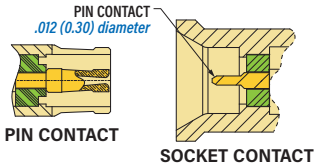
50 Ohm **40 GHz SMPM**



852-099

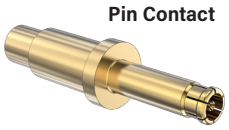


852-100

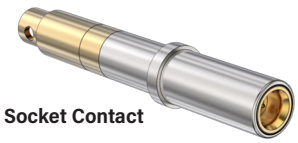


SMPM INTERFACE

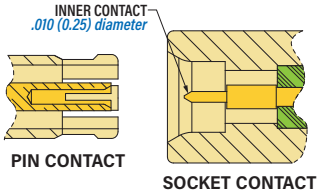
50 Ohm **65 GHz SMPS**



852-133



852-159



SMPS INTERFACE

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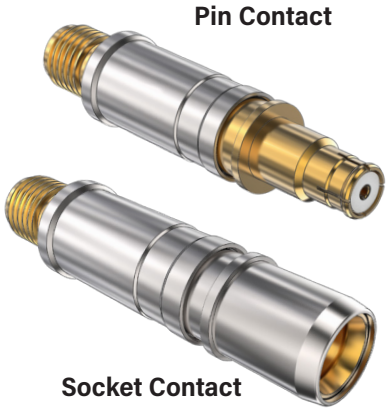
Coax Contacts

For Multi-Port Military/Aerospace Connectors

852-157
852-256

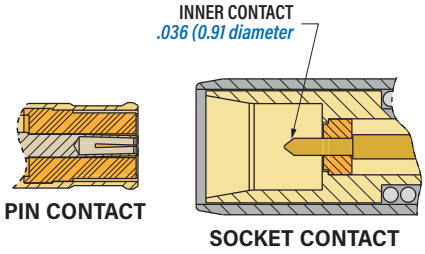
- Size 8
- 50 Ohm
- 18 GHz BMB Style
- G-Link*RF*
- Female SMA Adapter
- Integral Release Sleeve

50 Ohm G-LinkRF

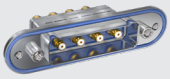


G-LinkRF. SMA adapter. 18 GHz. 50 ohm. Size 8. Snap-in, rear release coax contacts fit Glenair Series 795 and Series 806 RF connectors with size 8 contact cavities. BMB-style contact features G-LinkRF female SMA adapter and integral release sleeve. Attach male SMA plug directly to contact, no soldering required. 50 ohm nominal impedance. DC – 18 GHz frequency range.

PART NUMBER	
Pin Contact	Socket Contact
852-157	852-256

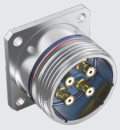


CONNECTOR COMPATIBILITY



SERIES 795 RF

- **Series 795 connectors** *with size 8 contact cavities*



SERIES 806 MIL-AERO

- **Series 806 RF connectors** *with size 8 RF contact cavities (806 RF size 8 contacts are not compatible with standard Series 806)*

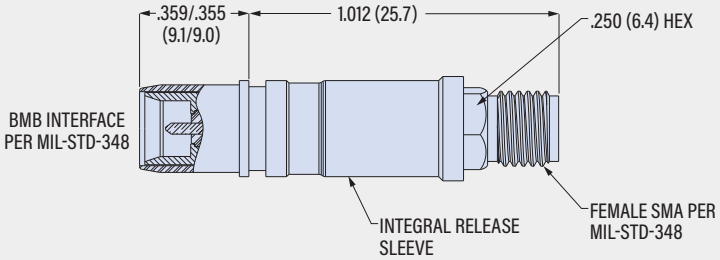
CONSTRUCTION

- **Center contact:** copper alloy, gold over nickel plating
- **Dielectric:** fluoropolymer
- **SMA Body:** copper alloy, gold over nickel plating
- **Front Body:** copper alloy, gold over nickel plating
- **Socket contact outer sleeve:** SST, passivated
- **Socket contact spring:** SST, passivated
- **Integral release sleeve:** SST, passivated

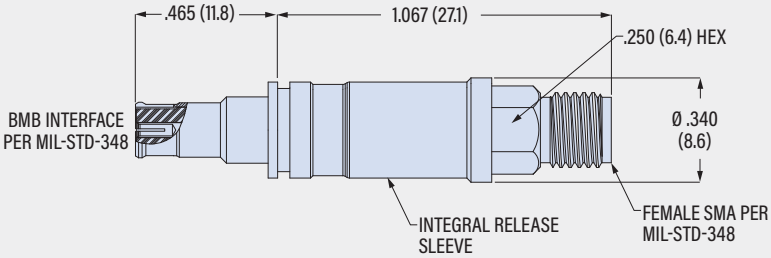
SPECIFICATIONS

- **Operating temperature:** -55 °C to +125 °C
- **Dielectric withstanding voltage:** 1000 Vac rms
- **Frequency range:** DC – 18 GHz
- **VSWR:** 1.45 maximum
- **Impedance:** 50 ohms
- **Durability:** 500 mating cycles

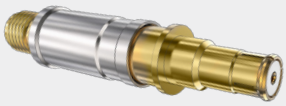
852-256 SOCKET CONTACT



852-157 PIN CONTACT



G-LinkRF



18 GHz G-LinkRF contacts have a BMB-style mating end and a female SMA interface on the back end. Compatible with connectors with size 8 rear-release contact arrangements.

Series 795 General Information

Contact Arrangements

SIZE 8 CONTACT ARRANGEMENTS

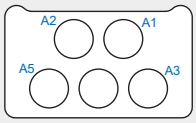
Optimized for Size #8 BMB Contacts • Cable Diameter: .300" Max • Max Frequency: 18 GHz

8-1RF2

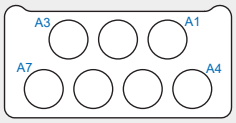
8-1RF3

8-1RF4

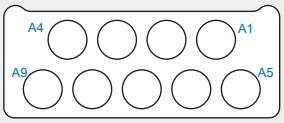
8-1RF5



8-2RF5



8-2RF7



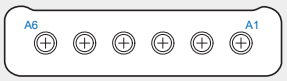
8-2RF9

SIZE 12 CONTACT ARRANGEMENTS

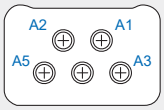
Optimized for Size #12 SMPM Contacts • Cable Diameter: .150" Max • Max Frequency: 40 GHz

12-1RF3

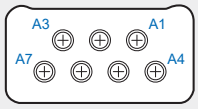
12-1RF5



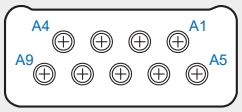
12-1RF6



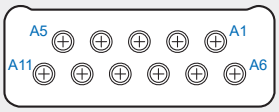
12-2RF5



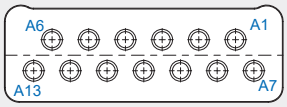
12-2RF7



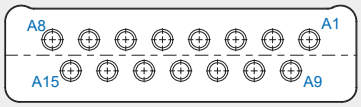
12-2RF9



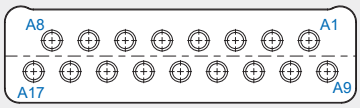
12-2RF11



12-2RF13



12-2RF15



12-2RF17

SIZE 16 CONTACT ARRANGEMENTS

Optimized for Size #16 SMPM Contacts • Cable Diameter: .086" Max • Max Frequency: 65 GHz

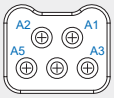
16-1RF2

16-1RF3

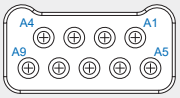
16-1RF5

16-1RF7

16-1RF9



16-2RF5



16-2RF9

16-2RF13

16-2RF17

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Dimensions in Inches (millimeters) are subject to change without notice.

795-001S
Cable Plug, Socket Contacts

- Size #8 Contacts
- All-Aluminum Body
- Two to Nine Ports
- 18 GHz BMB Coax
- Environmental
- Scoop-Proof

Shown with 50 ohm G-LinkRF BMB to SMA Adapters

Two to nine ports. Size 8 contacts. 795-001 plugs have machined aluminum housings and fluorosilicone grommet for environmental protection. Size 8 socket contact cavities have beryllium copper retention clips. Use with 18 GHz BMB coax contacts (P/N 852-152, ordered separately) or 18 GHz G-LinkRF BMB/SMA coax contacts (852-256, ordered separately).

PART NUMBER

795-001S 8-1RF4 M L

Base P/N	795-001S
Arrangement No.	*See Table 1* 8-1RF2 *2 contacts* 8-1RF3 *3 contacts* 8-1RF4 *4 contacts* 8-1RF5 *5 contacts* 8-2RF5 *5 contacts, two row* 8-2RF7 *7 contacts, two row* 8-2RF9 *9 contacts, two row*
Finish	M Electroless Nickel MT Nickel-PTFE NF Olive Drab Cadmium TZ Tin-Zinc ZR Black Zinc-Nickel
Hardware Option	*See Table 2* L Jackscrews, Hex Head *#8-32, non-removable* K Extended Jackscrews Slot Head *#8-32, non-removable* N No Hardware *.198 (5.0) diameter thru-holes* P Jackposts *#8-32, with nut and lock washer*

CONSTRUCTION

- **Shell:** aluminum
- **Grommet:** fluorosilicone
- **Jackscrew:** SST, passivated
- **Contact retainer clip:** copper alloy, unplated

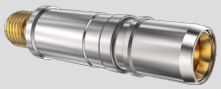
SPECIFICATIONS

- **Operating temperature:** -55 °C to +125 °C
- **Shock:** EIA-364-27 Condition D
- **Vibration:** EIA-364-28 Condition V Letter E
- **Shell-to-shell resistance:** 2.5 milliohms max. with ground spring option

COAX CONTACTS

Not included with 795-001 connector. Sold separately.

G-LinkRF



- Part Number 852-256
- Integral release sleeve
- Attach SMA plug directly to contact

for Flexible Coax Cable

- See contacts reference page at the beginning of this section for compatible size 8 socket contacts

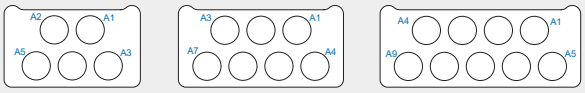
TABLE 1 ARRANGEMENT NUMBER

Optimized for Size #8 BMB Contacts

Cable Diameter: .300" Max

Max Frequency: 18 GHz

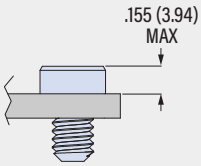
8-1RF2 8-1RF3 8-1RF4 8-1RF5



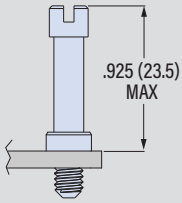
8-2RF5 8-2RF7 8-2RF9

TABLE 2 HARDWARE OPTION

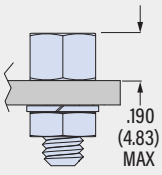
L Hex Head Captive Jackscrew, #8-32



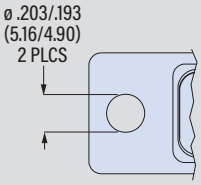
K Extended Captive Jackscrew, #8-32



P Jackpost, Nut and Lock washer, #8-32



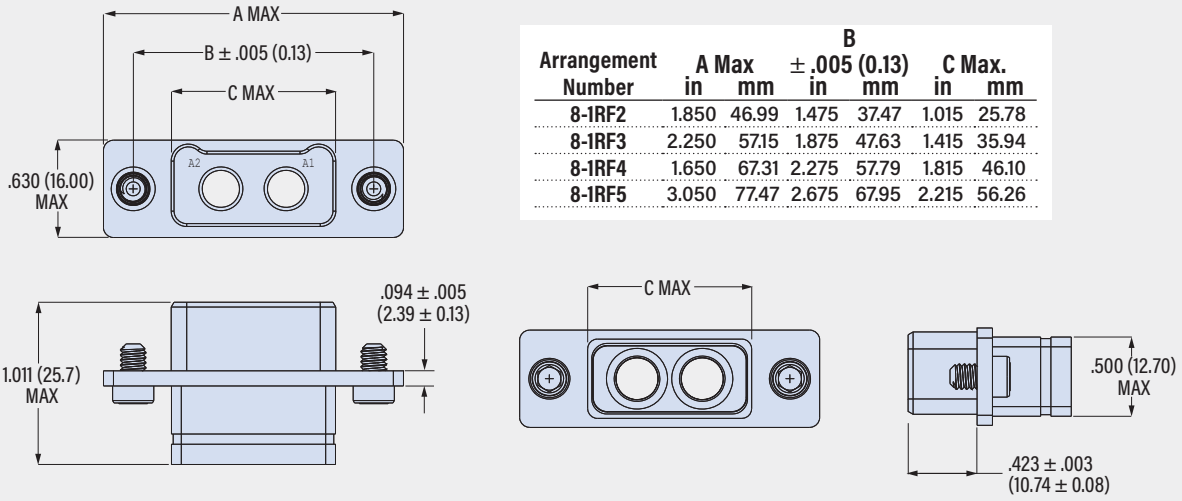
N No Jackscrew



795-001S
Cable Plug, Socket Contacts

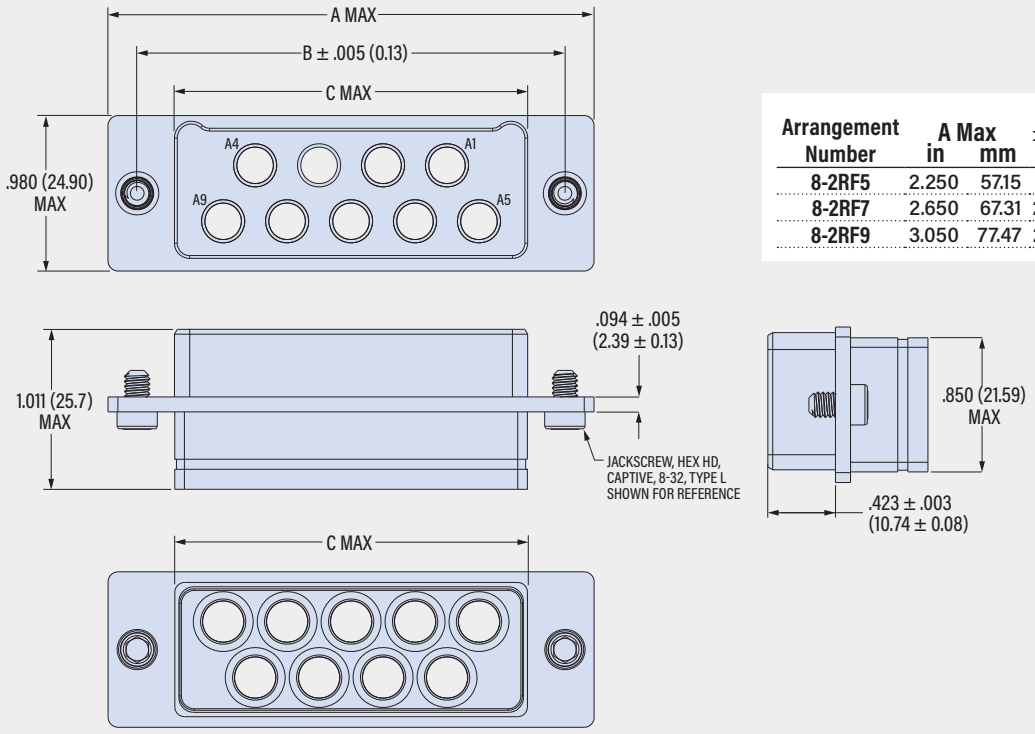
- Size #8 Contacts
- All-Aluminum Body
- Two to Nine Ports
- 18 GHz BMB Coax
- Environmental
- Scoop-Proof

795-001S SINGLE ROW



Arrangement Number	A Max in	A Max mm	B ± .005 (0.13) in	B ± .005 (0.13) mm	C Max. in	C Max. mm
8-1RF2	1.850	46.99	1.475	37.47	1.015	25.78
8-1RF3	2.250	57.15	1.875	47.63	1.415	35.94
8-1RF4	1.650	67.31	2.275	57.79	1.815	46.10
8-1RF5	3.050	77.47	2.675	67.95	2.215	56.26

795-001S DUAL ROW



Arrangement Number	A Max in	A Max mm	B ± .005 (0.13) in	B ± .005 (0.13) mm	C Max. in	C Max. mm
8-2RF5	2.250	57.15	1.875	47.63	1.415	35.94
8-2RF7	2.650	67.31	2.275	57.79	1.815	46.10
8-2RF9	3.050	77.47	2.675	67.95	2.215	56.26

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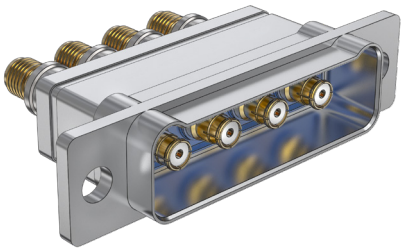
Dimensions in Inches (millimeters) are subject to change without notice.

795-002P
Cable Receptacle, Pin Contacts

- Size #8 Contacts
- All-Aluminum Body
- Two to Nine Ports
- 18 GHz BMB Coax
- Environmental
- Scoop-Proof



Shown with 50 ohm G-LinkRF coax contacts (sold separately)

Two to nine ports. Size 8 contacts. 795-002 receptacles have one piece 6061-T6 machined aluminum housings. Fluorosilicone face seal and rear grommet provide environmental protection. Size 8 pin contact cavities have beryllium copper retention clips. Use with BMB coax contacts (P/N 852-071, sold separately) or G-LinkRF BMB/SMA coax contacts (852-157, sold separately).

PART NUMBER

795-002P | 8-1RF4 | M | E | L

Base P/N	795-002P
Arrangement No.	*See Table 1* 8-1RF2 *2 contacts* 8-1RF3 *3 contacts* 8-1RF4 *4 contacts* 8-1RF5 *5 contacts* 8-2RF5 *5 contacts, two row* 8-2RF7 *7 contacts, two row* 8-2RF9 *9 contacts, two row*
Finish	M Electroless Nickel MT Nickel-PTFE NF Olive Drab Cadmium TZ Tin-Zinc ZR Black Zinc-Nickel
EMI Spring	E EMI Spring N No Spring
Hardware Option	*See Table 2* L Jackscrews, Hex Head *#8-32, non-removable* K Extended Jackscrews Slot Head *#8-32, non-removable* N No Hardware *.198 (5.0) diameter thru-holes* P Jackposts *#8-32, with nut and lock washer*

CONSTRUCTION

- **Shell:** aluminum
- **Grommet, interfacial seal:** fluorosilicone
- **Jackscrew, jackpost:** SST, passivated
- **Retainer clips:** copper alloy, unplated

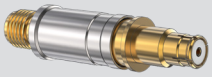
SPECIFICATIONS

- **Operating temperature:** -55 °C to +125 °C
- **Shock:** EIA-364-27 Condition D
- **Vibration:** EIA-364-28 Condition V Letter E
- **Shell-to-shell resistance:** 2.5 milliohms max. with ground spring option

COAX CONTACTS

Not included with 795-002 connector. Sold separately.

G-LinkRF



- Part Number 852-157
- Integral release sleeve
- Attach SMA plug directly to contact

for Flexible Coax Cable

- See contacts reference page at the beginning of this section for compatible size #8 socket contacts

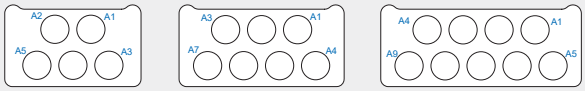
TABLE 1 ARRANGEMENT NUMBER

Optimized for Size #8 BMB Contacts

Cable Diameter: .300" Max

Max Frequency: 18 GHz

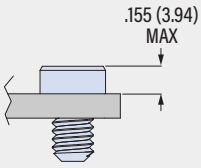
8-1RF2 8-1RF3 8-1RF4 8-1RF5



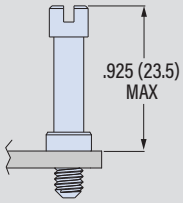
8-2RF5 8-2RF7 8-2RF9

TABLE 2 HARDWARE OPTION

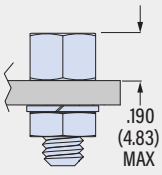
L Hex Head Captive Jackscrew, #8-32



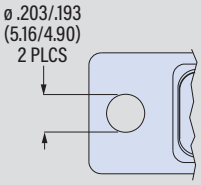
K Extended Captive Jackscrew, #8-32



P Jackpost, Nut and Lock washer, #8-32



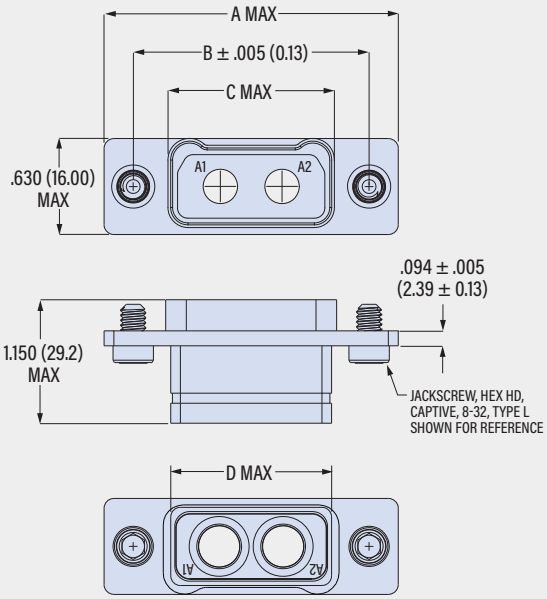
N No Jackscrew

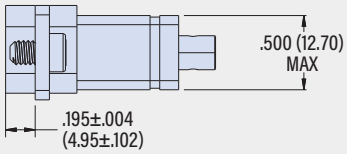


795-002P
Cable Receptacle, Pin Contacts

- Size #8 Contacts
- All-Aluminum Body
- Two to Nine Ports
- 18 GHz BMB Coax
- Environmental
- Scoop-Proof

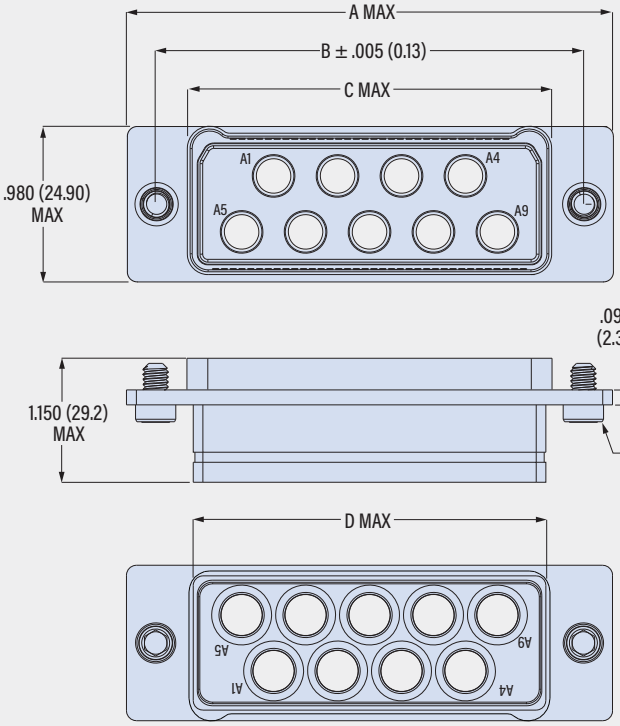
795-002P SINGLE ROW

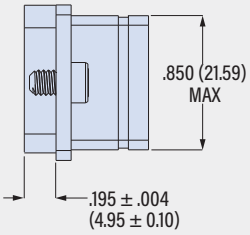




Arrangement Number	A Max in	A Max mm	B ± .005 (0.13) in	B ± .005 (0.13) mm	C Max. in	C Max. mm	D Max. in	D Max. mm
8-1RF2	1.850	46.99	1.475	37.47	1.090	27.69	1.015	25.79
8-1RF3	2.250	57.15	1.875	47.63	1.490	37.85	1.415	35.94
8-1RF4	2.650	67.31	2.275	57.79	1.890	48.01	1.815	46.10
8-1RF5	3.050	77.47	2.675	67.95	2.290	58.17	2.215	56.26

795-002P DUAL ROW





Arrangement Number	A Max in	A Max mm	B ± .005 (0.13) in	B ± .005 (0.13) mm	C Max. in	C Max. mm	D Max. in	D Max. mm
8-2RF5	2.250	57.15	1.875	47.63	1.490	37.85	1.415	35.94
8-2RF7	2.650	67.31	2.275	57.79	1.890	48.01	1.815	46.10
8-2RF9	3.050	77.47	2.675	67.95	2.290	58.17	2.215	56.26

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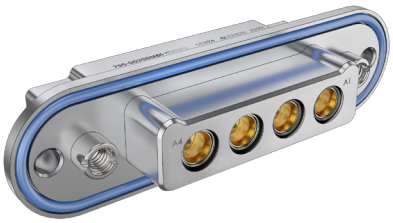
Dimensions in Inches (millimeters) are subject to change without notice.

795-003S
Panel Mount Plug, Socket Contacts

- Size #8 Contacts
- All-Aluminum Body
- Two to Nine Ports
- 18 GHz BMB Coax
- Environmental
- Scoop-Proof



Shown with 50 ohm G-LinkRF coax contacts (sold separately)

Size 8 contacts. 795-003 panel mount plugs accommodate from two to nine coax socket contacts. Environmentally protected with O-ring and rear grommet. Housing is 6061-T6 machined aluminum. Size 8 socket contact cavities have beryllium copper retention clips. Use with BMB coax contacts (P/N 852-152, ordered separately) or G-LinkRF BMB/SMA coax contacts (852-256, ordered separately).

CONSTRUCTION

- **Shell:** aluminum
- **Grommet, face seal:** fluorosilicone
- **Jackpost:** SST, passivated
- **Retainer clips:** copper alloy, unplated
- **O-ring:** fluorosilicone, filled with silver-plated aluminum
- **EMI spring:** beryllium copper, nickel plated

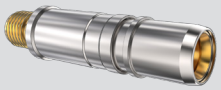
SPECIFICATIONS

- **Operating temperature:** -55 °C to +125 °C
- **Shock:** EIA-364-27 Condition D
- **Vibration:** EIA-364-28 Condition V Letter E
- **Shell-to-shell resistance:** 2.5 milliohms max. with ground spring option

COAX CONTACTS

Not included with 795-003 connector. Sold separately.

G-LinkRF



- Part Number **852-256**
- Integral release sleeve
- Attach SMA plug directly to contact

for Flexible Coax Cable

- See contacts reference page at the beginning of this section for compatible size #8 socket contacts

PART NUMBER

		795-003S	8-1RF4	M	P	C

Base P/N	795-003S	
Arrangement No.	*See Table 1*	
	8-1RF2	*2 contacts*
	8-1RF3	*3 contacts*
	8-1RF4	*4 contacts*
	8-1RF5	*5 contacts*
	8-2RF5	*5 contacts, two row*
	8-2RF7	*7 contacts, two row*
	8-2RF9	*9 contacts, two row*
Finish	M	Electroless Nickel
	MT	Nickel-PTFE
	NF	Olive Drab Cadmium
	TZ	Tin-Zinc
	ZR	Black Zinc-Nickel
Jackpost	P	Jackpost *#8-32, Non-Removable*
	N	No Jackpost
O-ring	C	Conductive O-ring
	N	No O-ring

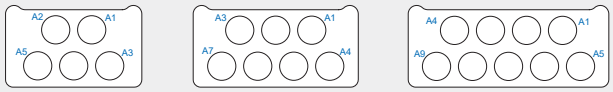
TABLE 1 ARRANGEMENT NUMBER

Optimized for Size #8 BMB Contacts

Cable Diameter: .300" Max

Max Frequency: 18 GHz

8-1RF2 8-1RF3 8-1RF4 8-1RF5



8-2RF5 8-2RF7 8-2RF9

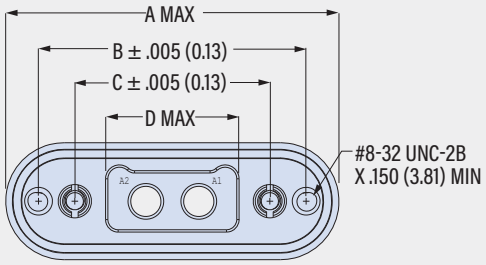
SERIES 795 MULTI-PIN RF CONNECTORS

795-003S

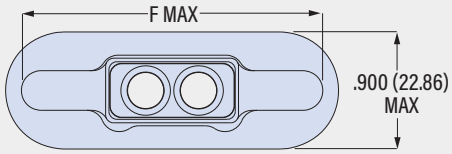
Panel Mount Plug, Socket Contacts

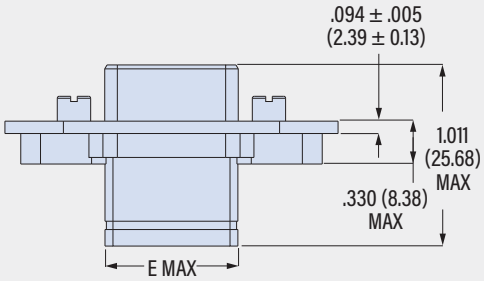
- Size #8 Contacts
- All-Aluminum Body
- Two to Nine Ports
- 18 GHz BMB Coax
- Environmental
- Scoop-Proof

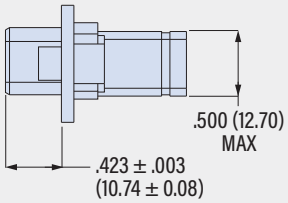
795-003S SINGLE ROW



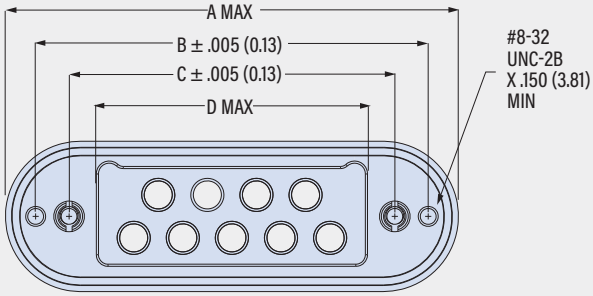
Arrangement Number	A Max in	A Max mm	B ± .005 (0.13) in	B ± .005 (0.13) mm	C ± .005 (0.13) in	C ± .005 (0.13) mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm
8-1RF2	2.550	64.77	2.024	51.41	1.475	37.47	1.015	25.78	1.015	25.78	2.295	58.29
8-1RF3	2.950	74.93	2.424	61.57	1.875	47.63	1.415	35.94	1.415	35.94	2.695	68.45
8-1RF4	3.350	85.09	2.824	71.73	2.275	57.79	1.815	46.10	1.815	46.10	3.095	78.61
8-1RF5	3.750	95.25	3.224	81.89	2.675	67.95	2.215	56.26	2.215	56.26	3.495	88.77

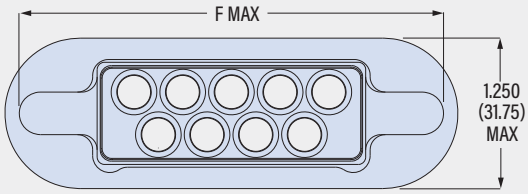


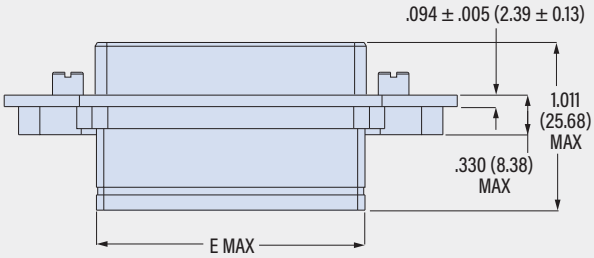


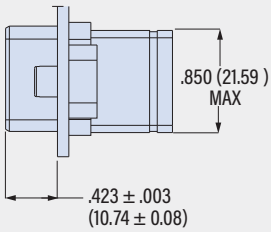


795-003S DUAL ROW









Arrangement Number	A Max in	A Max mm	B ± .005 (0.13) in	B ± .005 (0.13) mm	C ± .005 (0.13) in	C ± .005 (0.13) mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm
8-2RF5	2.950	74.93	2.424	61.57	1.875	47.63	1.415	35.94	1.415	35.94	2.695	68.45
8-2RF7	3.350	85.09	2.824	71.73	2.275	57.79	1.815	46.10	1.815	46.10	3.095	78.61
8-2RF9	3.750	95.25	3.224	81.89	2.675	67.95	2.215	56.26	2.215	56.26	3.495	88.77

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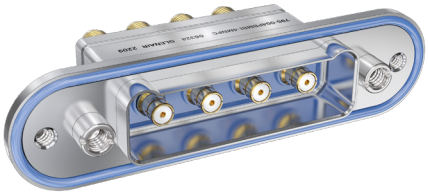
795-004P
Panel Mount Receptacle, Pin Contacts

- Size #8 Contacts
- All-Aluminum Body
- Two to Nine Ports
- 18 GHz Coax
- Environmental
- Scoop-Proof



Shown with 50 ohm **G-Link**RF *coax contacts (sold separately)*

Size 8 contacts. 795-004 panel mount receptacles accommodate from two to nine coax contacts. Environmentally protected with O-ring, fluorosilicone face seal and rear grommet. Housing is 6061-T6 machined aluminum. Size 8 socket contact cavities have beryllium copper retention clips. Use with BMB coax contacts (P/N 852-071, ordered separately) or **G-Link*RF*** BMB/SMA coax contacts (852-157, ordered separately).

CONSTRUCTION

- **Shell:** aluminum
- **Grommet, face seal:** fluorosilicone
- **Jackpost:** SST, passivated
- **Contact retainer clip:** copper alloy, unplated
- O-ring: fluorosilicone, filled with silver-plated aluminum
- EMI spring: beryllium copper, nickel plated

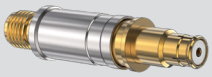
SPECIFICATIONS

- **Operating temperature:** -55 °C to +125 °C
- **Shock:** EIA-364-27 Condition D
- **Vibration:** EIA-364-28 Condition V Letter E
- **Shell-to-shell resistance:** 2.5 milliohms max. with ground spring option

COAX CONTACTS

Not included with 795-004 connector. Sold separately.

G-LinkRF



- Part Number **852-157**
- Integral release sleeve
- Attach SMA plug directly to contact

for Flexible Coax Cable

- See contacts reference page at the beginning of this section for compatible size #8 socket contacts

PART NUMBER

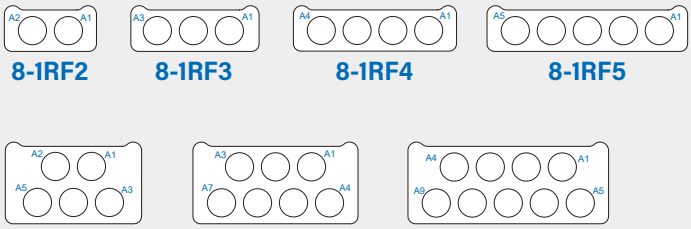
	795-004P	8-1RF4	M	E	P	C
Base P/N	795-004P					
Arrangement No.	*See Table 1* 8-1RF2 *2 contacts* 8-1RF3 *3 contacts* 8-1RF4 *4 contacts* 8-1RF5 *5 contacts* 8-2RF5 *5 contacts, two row* 8-2RF7 *7 contacts, two row* 8-2RF9 *9 contacts, two row*					
Finish	M Electroless Nickel MT Nickel-PTFE NF Olive Drab Cadmium TZ Tin-Zinc ZR Black Zinc-Nickel					
EMI Spring	E EMI Spring N No Spring					
Jackpost	P Jackpost *#8-32, Non-Removable* N No Jackpost					
O-ring	C Conductive O-ring N No O-ring					

TABLE 1 ARRANGEMENT NUMBER

Optimized for Size #8 BMB Contacts

Cable Diameter: .300" Max

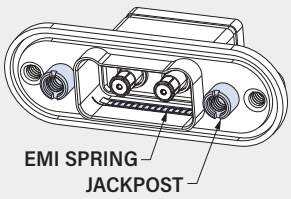
Max Frequency: 18 GHz



8-1RF2 8-1RF3 8-1RF4 8-1RF5

8-2RF5 8-2RF7 8-2RF9

JACKPOST AND EMI SPRING

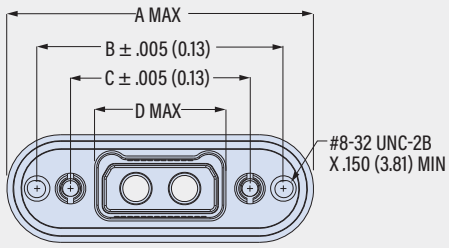


795-004P

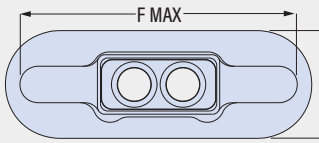
Panel Mount Receptacle, Pin Contacts

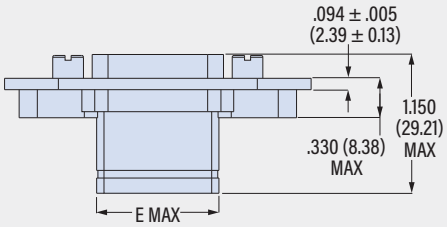
- Size #8 Contacts
- All-Aluminum Body
- Two to Nine Ports
- 18 GHz Coax
- Environmental
- Scoop-Proof

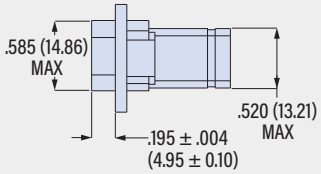
795-004P SINGLE ROW



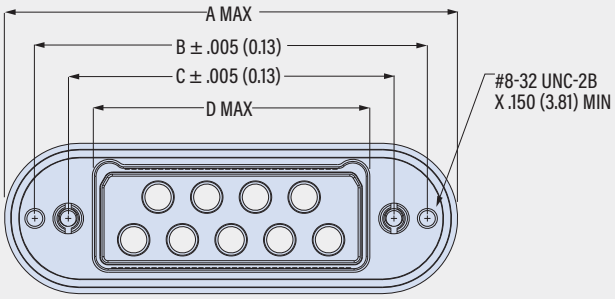
Arrangement Number	A Max in	A Max mm	B ± .005 (0.13) in	B ± .005 (0.13) mm	C ± .005 (0.13) in	C ± .005 (0.13) mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm
8-1RF2	2.625	66.68	2.099	53.31	1.475	37.47	1.090	27.69	1.015	25.78	2.370	60.20
8-1RF3	3.025	76.84	2.499	63.47	1.875	47.63	1.490	37.85	1.415	35.94	2.770	70.36
8-1RF4	3.425	87.00	2.899	74.63	2.275	57.79	1.890	48.01	1.815	46.10	3.170	80.52
8-1RF5	3.825	95.25	3.299	83.79	2.675	67.95	2.290	58.17	2.215	56.26	3.570	90.68

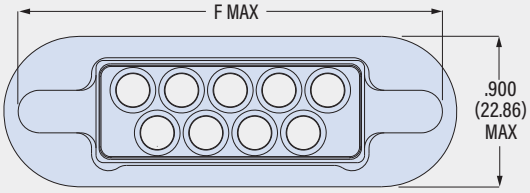


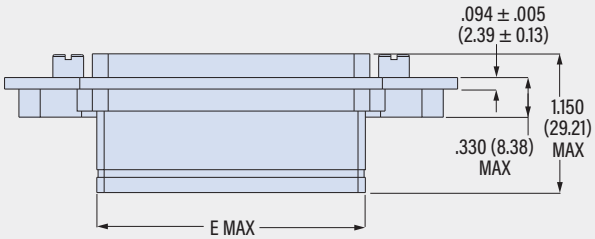


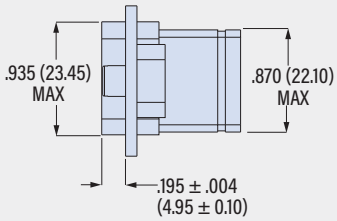


795-004P DUAL ROW









Arrangement Number	A Max in	A Max mm	B ± .005 (0.13) in	B ± .005 (0.13) mm	C ± .005 (0.13) in	C ± .005 (0.13) mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm
8-2RF5	3.025	76.84	2.499	63.47	1.875	47.63	1.490	37.85	1.415	35.94	2.770	70.36
8-2RF7	3.425	87.00	2.899	73.63	2.275	57.79	1.890	48.01	1.815	46.10	3.170	80.52
8-2RF9	3.825	97.16	3.299	83.79	2.675	67.95	2.290	58.17	2.215	56.26	3.570	90.68

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795-005S
Cable Plug, Socket Contacts

- Size #12 Contacts
- All-Aluminum Body
- Three to Eleven Ports
- 40 GHz SMPM Coax
- Environmental
- Scoop-Proof

Three to eleven ports. Size 12 contacts. 795-005 plugs have machined aluminum housings and fluorosilicone grommet for environmental protection. Size 12 socket contact cavities have beryllium copper retention clips. Use with 40 GHz SMPM coax contacts (P/N 852-100, ordered separately).

PART NUMBER

795-005S 12-1RF3 M L

Base P/N	795-005S
Arrangement No.	*See Table 1* 12-1RF3 *3 contacts* 12-1RF5 *5 contacts* 12-1RF6 *6 contacts* 12-2RF5 *5 contacts, two row* 12-2RF7 *7 contacts, two row* 12-2RF9 *9 contacts, two row* 12-2RF11 *11 contacts, two row* 12-2RF13 *13 contacts, two row* 12-2RF15 *15 contacts, two row* 12-2RF17 *17 contacts, two row*
Finish	M Electroless Nickel MT Nickel-PTFE NF Olive Drab Cadmium TZ Tin-Zinc ZR Black Zinc-Nickel
Hardware Option	*See Table 2* L **Jackscrews, Socket Head** *#8-32, non-removable* K **Extended Jackscrews Slot Head** *#8-32, non-removable* S **Low-Profile Socket Head Screwlock** *#8-32, non-removable* T **Extended Screwlock, Knurled Head** *#8-32, non-removable* P **Jackposts** *#8-32, with nut and lock washer* N **No Hardware** *.198 (5.0) diameter thru-holes*

CONSTRUCTION

- **Shell:** aluminum
- **Grommet:** fluorosilicone
- **Jackscrew:** SST, passivated
- **Contact retainer clip:** copper alloy, unplated

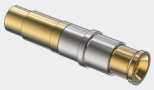
SPECIFICATIONS

- **Operating temperature:** -55 °C to +125 °C
- **Shock:** EIA-364-27 Condition D
- **Vibration:** EIA-364-28 Condition V Letter E
- **Shell-to-shell resistance:** 2.5 milliohms max. with ground spring option

COAX CONTACTS

Not included with 795-005 connector. Sold separately.

for Flexible Coax Cable



- See contacts reference page at the beginning of this section for compatible size #12 socket contacts

TABLE 1 ARRANGEMENT NUMBER

Optimized for Size #12 SMPM Contacts

Cable Diameter: .150" Max

Max Frequency: 40 GHz

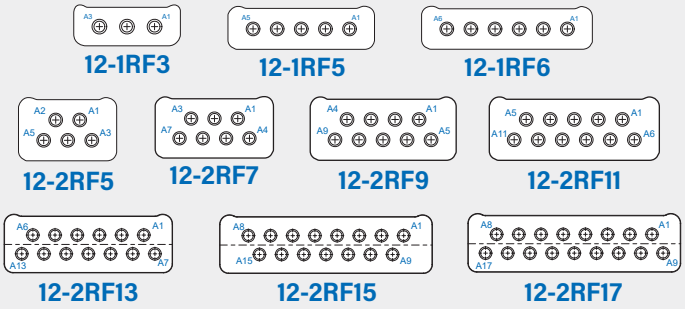
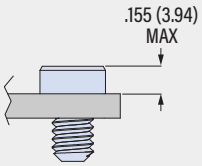
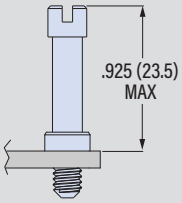


TABLE 2 HARDWARE OPTION

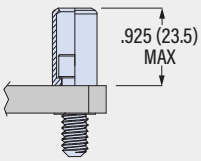
L Socket Head Captive Jackscrew, #8-32



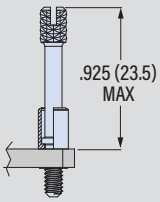
K Extended Captive Jackscrew, #8-32



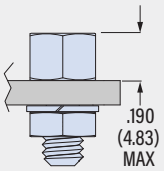
S Low-Profile Socket Head Captive Screwlock



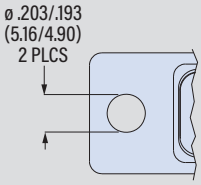
T Extended Captive Screwlock, Knurled Head



P Jackpost, Nut and Lock washer, #8-32



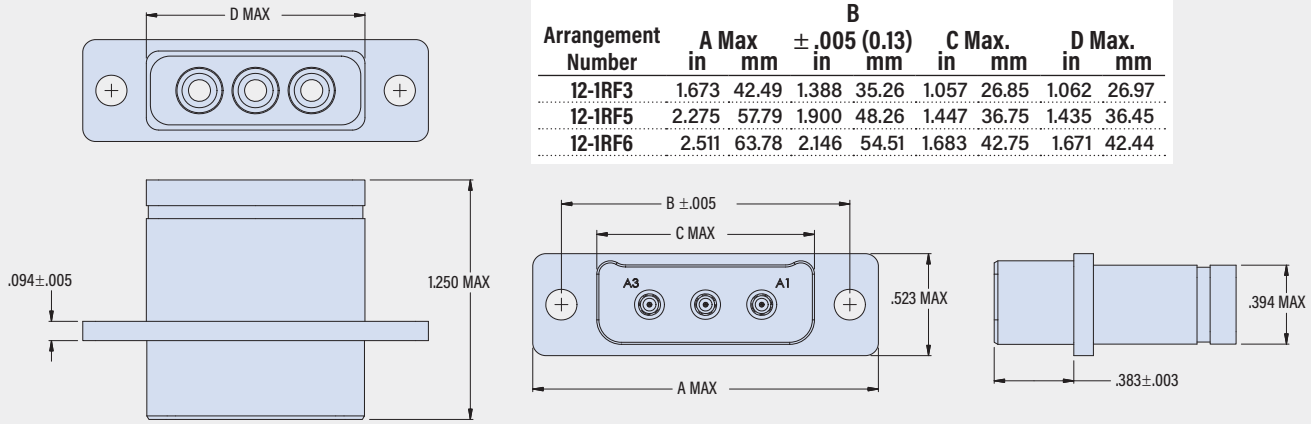
N No Jackscrew



795-005S
Cable Plug, Socket Contacts

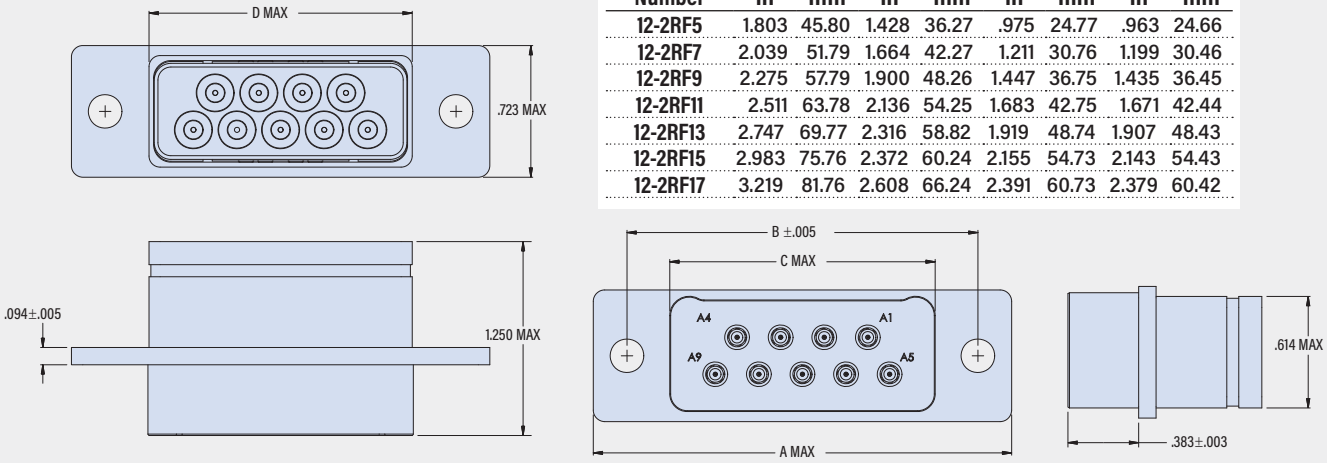
- Size #12 Contacts
- All-Aluminum Body
- Three to Eleven Ports
- 40 GHz SMPM Coax
- Environmental
- Scoop-Proof

795-005S SINGLE ROW



Arrangement Number	A Max in	A Max mm	B ±.005 (0.13) in	B ±.005 (0.13) mm	C Max. in	C Max. mm	D Max. in	D Max. mm
12-1RF3	1.673	42.49	1.388	35.26	1.057	26.85	1.062	26.97
12-1RF5	2.275	57.79	1.900	48.26	1.447	36.75	1.435	36.45
12-1RF6	2.511	63.78	2.146	54.51	1.683	42.75	1.671	42.44

795-005S DUAL ROW



Arrangement Number	A Max in	A Max mm	B ±.005 (0.13) in	B ±.005 (0.13) mm	C Max. in	C Max. mm	D Max. in	D Max. mm
12-2RF5	1.803	45.80	1.428	36.27	.975	24.77	.963	24.66
12-2RF7	2.039	51.79	1.664	42.27	1.211	30.76	1.199	30.46
12-2RF9	2.275	57.79	1.900	48.26	1.447	36.75	1.435	36.45
12-2RF11	2.511	63.78	2.136	54.25	1.683	42.75	1.671	42.44
12-2RF13	2.747	69.77	2.316	58.82	1.919	48.74	1.907	48.43
12-2RF15	2.983	75.76	2.372	60.24	2.155	54.73	2.143	54.43
12-2RF17	3.219	81.76	2.608	66.24	2.391	60.73	2.379	60.42

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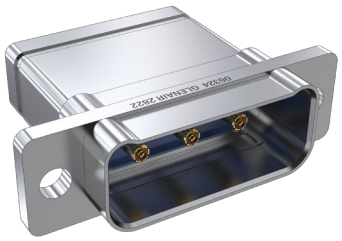
Dimensions in Inches (millimeters) are subject to change without notice.

795-006P
Cable Receptacle, Pin Contacts

- Size #12 Contacts
- All-Aluminum Body
- Three to Eleven Ports
- 40 GHz SMPM Coax
- Environmental
- Scoop-Proof



Three to eleven ports. Size 12 contacts. 795-006 receptacles have machined aluminum housings and fluorosilicone grommet for environmental protection. Size 12 pin contact cavities have beryllium copper retention clips. Use with 40 GHz SMPM coax contacts (P/N 852-099, ordered separately).

PART NUMBER

795-006P 12-1RF3 M L

Base P/N	795-006P
Arrangement No.	*See Table 1* 12-1RF3 *3 contacts* 12-1RF5 *5 contacts* 12-1RF6 *6 contacts* 12-2RF5 *5 contacts, two row* 12-2RF7 *7 contacts, two row* 12-2RF9 *9 contacts, two row* 12-2RF11 *11 contacts, two row* 12-2RF13 *13 contacts, two row* 12-2RF15 *15 contacts, two row* 12-2RF17 *17 contacts, two row*
Finish	M Electroless Nickel MT Nickel-PTFE NF Olive Drab Cadmium TZ Tin-Zinc ZR Black Zinc-Nickel
Hardware Option	*See Table 2* L **Jackscrews, Socket Head** *#8-32, non-removable* K **Extended Jackscrews Slot Head** *#8-32, non-removable* S **Low-Profile Socket Head Screwlock** *#8-32, non-removable* T **Extended Screwlock, Knurled Head** *#8-32, non-removable* P **Jackposts** *#8-32, with nut and lock washer* N **No Hardware** *.198 (5.0) diameter thru-holes*

CONSTRUCTION

- **Shell:** aluminum
- **Grommet:** fluorosilicone
- **Jackscrew:** SST, passivated
- **Contact retainer clip:** copper alloy, unplated

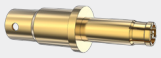
SPECIFICATIONS

- **Operating temperature:** -55 °C to +125 °C
- **Shock:** EIA-364-27 Condition D
- **Vibration:** EIA-364-28 Condition V Letter E
- **Shell-to-shell resistance:** 2.5 milliohms max. with ground spring option

COAX CONTACTS

Not included with 795-005 connector. Sold separately.

for Flexible Coax Cable



- See contacts reference page at the beginning of this section for compatible size #12 socket contacts

TABLE 1 ARRANGEMENT NUMBER

Optimized for Size #12 SMPM Contacts

Cable Diameter: .150" Max

Max Frequency: 40 GHz

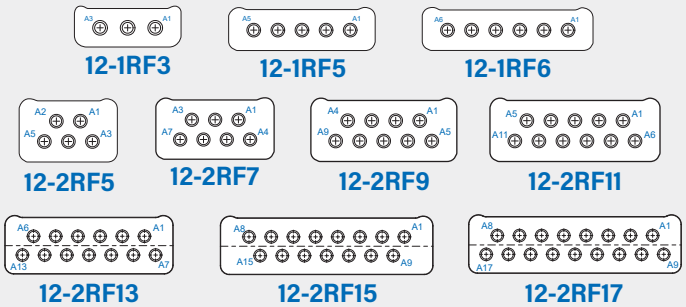
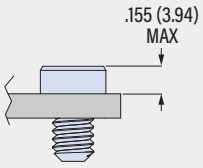
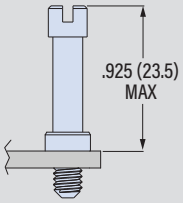


TABLE 2 HARDWARE OPTION

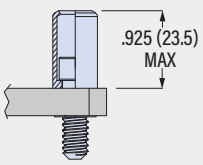
L Socket Head Captive Jackscrew, #8-32



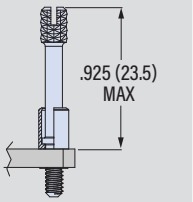
K Extended Captive Jackscrew, #8-32



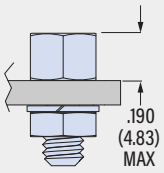
S Low-Profile Socket Head Captive Screwlock



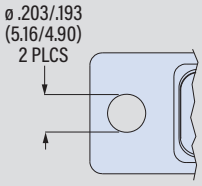
T Extended Captive Screwlock, Knurled Head



P Jackpost, Nut and Lock washer, #8-32



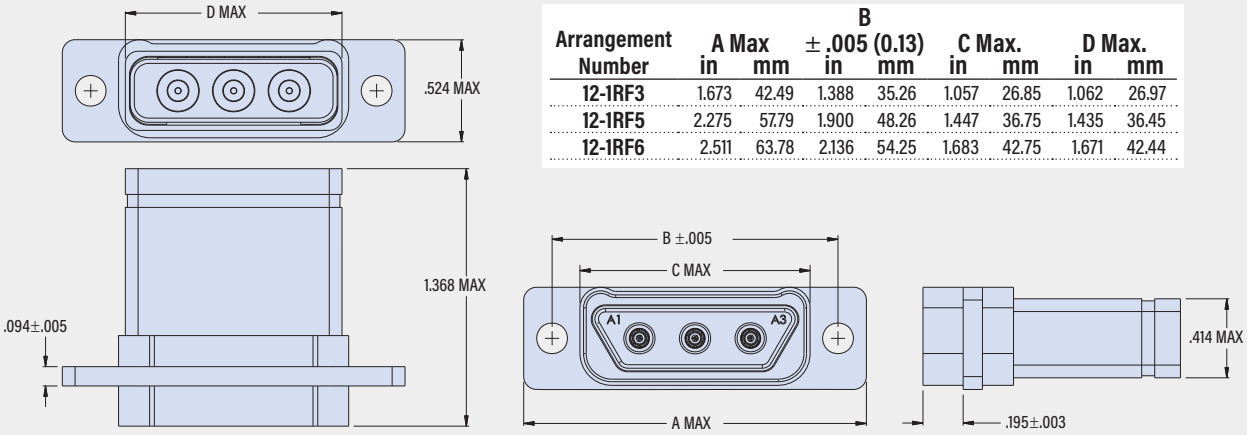
N No Jackscrew



795-006P
Cable Receptacle, Pin Contacts

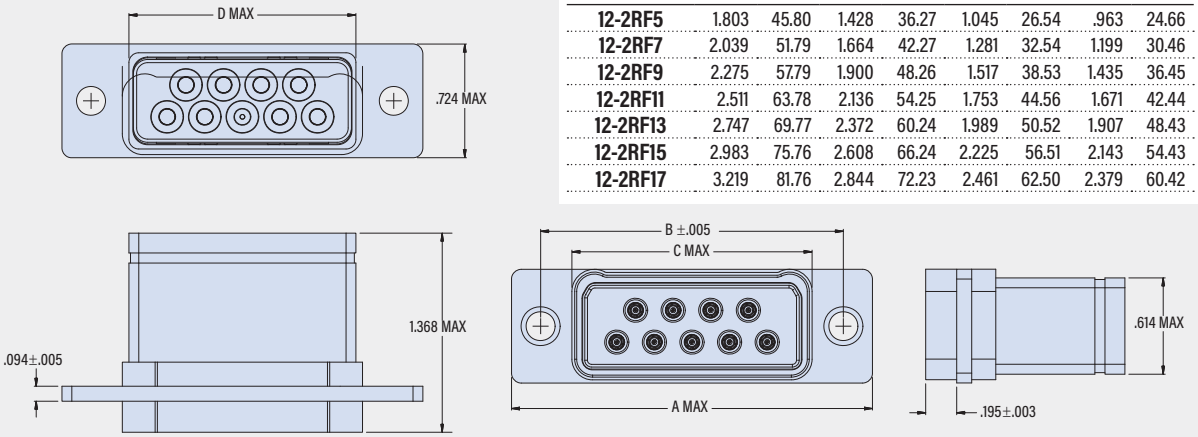
- Size #12 Contacts
- All-Aluminum Body
- Three to Eleven Ports
- 40 GHz SMPM Coax
- Environmental
- Scoop-Proof

795-006P SINGLE ROW



Arrangement Number	A Max in	A Max mm	B ±.005 (0.13) in	B ±.005 (0.13) mm	C Max. in	C Max. mm	D Max. in	D Max. mm
12-1RF3	1.673	42.49	1.388	35.26	1.057	26.85	1.062	26.97
12-1RF5	2.275	57.79	1.900	48.26	1.447	36.75	1.435	36.45
12-1RF6	2.511	63.78	2.136	54.25	1.683	42.75	1.671	42.44

795-006P DUAL ROW



Arrangement Number	A Max in	A Max mm	B ±.005 (0.13) in	B ±.005 (0.13) mm	C Max. in	C Max. mm	D Max. in	D Max. mm
12-2RF5	1.803	45.80	1.428	36.27	1.045	26.54	.963	24.66
12-2RF7	2.039	51.79	1.664	42.27	1.281	32.54	1.199	30.46
12-2RF9	2.275	57.79	1.900	48.26	1.517	38.53	1.435	36.45
12-2RF11	2.511	63.78	2.136	54.25	1.753	44.56	1.671	42.44
12-2RF13	2.747	69.77	2.372	60.24	1.989	50.52	1.907	48.43
12-2RF15	2.983	75.76	2.608	66.24	2.225	56.51	2.143	54.43
12-2RF17	3.219	81.76	2.844	72.23	2.461	62.50	2.379	60.42

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795-007S

Panel-Mount Plug, Socket Contacts

- Size #12 Contacts
- All-Aluminum Body
- Three to Eleven Ports
- 40 GHz SMPM Coax
- Environmental
- Scoop-Proof

Size 8 contacts. 795-007 panel mount plugs accommodate from three to eleven coax socket contacts. Environmentally protected with O-ring and rear grommet. Housing is 6061-T6 machined aluminum. Size 12 socket contact cavities have beryllium copper retention clips. Use with SMPM coax contacts (P/N 852-100, ordered separately).

CONSTRUCTION

- **Shell:** aluminum
- **Grommet:** fluorosilicone
- **Jackscrew:** SST, passivated
- **Contact retainer clip:** copper alloy, unplated

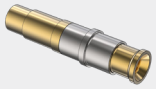
SPECIFICATIONS

- **Operating temperature:** -55 °C to +125 °C
- **Shock:** EIA-364-27 Condition D
- **Vibration:** EIA-364-28 Condition V Letter E
- **Shell-to-shell resistance:** 2.5 milliohms max. with ground spring option

COAX CONTACTS

Not included with 795-007 connector. Sold separately.

for Flexible Coax Cable



- See contacts reference page at the beginning of this section for compatible size #12 socket contacts

PART NUMBER

795-007S 12-1RF3 M P N

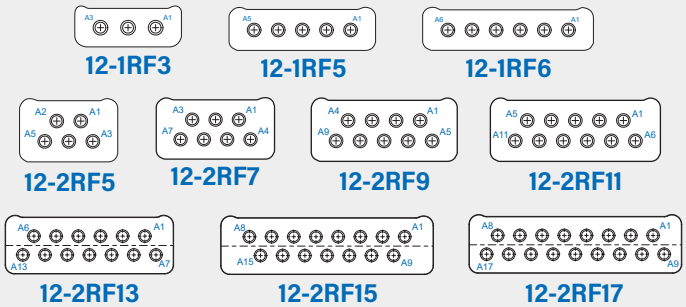
Base P/N	795-007S	
Arrangement No.	*See Table 1*	
	12-1RF3	*3 contacts*
	12-1RF5	*5 contacts*
	12-1RF6	*6 contacts*
	12-2RF5	*5 contacts, two row*
	12-2RF7	*7 contacts, two row*
	12-2RF9	*9 contacts, two row*
	12-2RF11	*11 contacts, two row*
	12-2RF13	*13 contacts, two row*
	12-2RF15	*15 contacts, two row*
	12-2RF17	*17 contacts, two row*
Finish	M	Electroless Nickel
	MT	Nickel-PTFE
	NF	Olive Drab Cadmium
	TZ	Tin-Zinc
	ZR	Black Zinc-Nickel
Jackpost	P	Jackpost *#8-32, Non-Removable*
	N	No Jackpost
O-ring	P	Fluorosilicone O-Ring
	C	Conductive O-ring
	N	No O-ring
	S	Metal EMI Spring (non-environmental)

TABLE 1 ARRANGEMENT NUMBER

Optimized for Size #12 SMPM Contacts

Cable Diameter: .150" Max

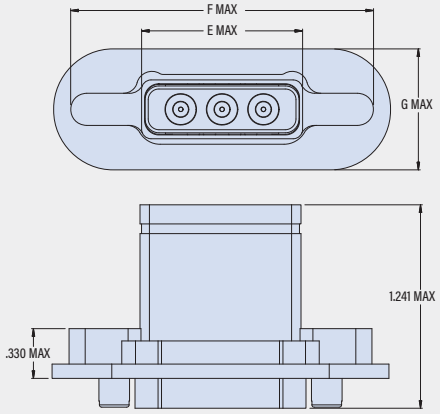
Max Frequency: 40 GHz



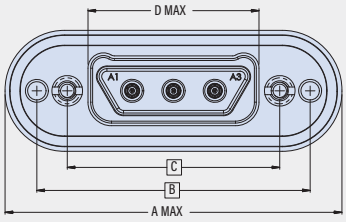
795-007S
Panel-Mount Plug, Socket Contacts

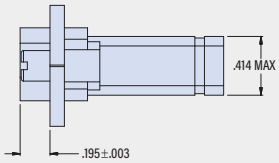
- Size #12 Contacts
- All-Aluminum Body
- Three to Eleven Ports
- 40 GHz SMPM Coax
- Environmental
- Scoop-Proof

795-007S SINGLE ROW

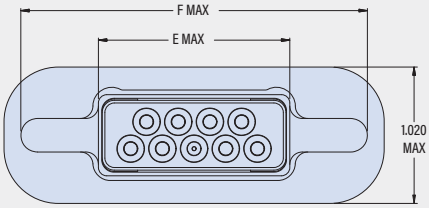


Arrangement Number	A Max in	A Max mm	B Basic in	B Basic mm	C Basic in	C Basic mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm	G Max in	G Max mm
12-1RF3	2.210	56.13	1.785	45.34	1.388	35.25	1.127	28.63	1.090	27.69	1.983	50.37	.800	20.32
12-1RF5	2.840	72.14	2.375	60.33	1.900	48.26	1.516	38.51	1.440	36.58	2.590	65.79	.820	20.83
12-1RF6	30.75	78.11	2.611	66.32	2.136	54.25	1.752	44.50	1.675	42.54	2.826	71.18	.820	20.83

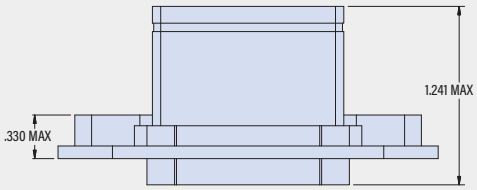


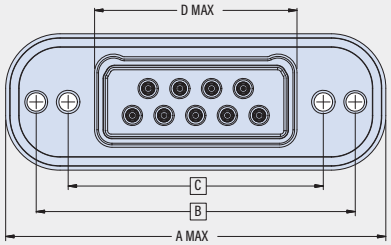


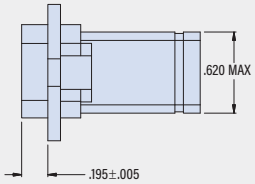
795-007S DUAL ROW



Arrangement Number	A Max in	A Max mm	B Basic in	B Basic mm	C Basic in	C Basic mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm
12-2RF5	2.368	60.15	1.903	48.34	1.428	36.27	1.044	26.52	.968	24.59	2.118	53.80
12-2RF7	2.604	66.14	2.139	54.33	1.664	42.27	1.280	32.51	1.204	30.58	2.354	59.79
12-2RF9	2.840	72.14	2.375	60.33	1.900	28.26	1.516	38.51	1.440	36.58	2.590	65.79
12-2RF11	3.076	78.13	2.611	66.32	2.136	54.25	1.752	44.50	1.676	42.57	2.826	71.78
12-2RF13	3.312	84.12	2.847	72.31	2.372	60.24	1.961	49.80	1.912	48.56	3.062	77.77
12-2RF15	3.548	90.11	3.083	78.30	2.608	66.24	2.197	55.80	2.148	54.55	3.298	83.76
12-2RF17	3.784	96.11	3.319	84.30	2.844	72.23	2.433	61.79	2.384	60.55	3.534	89.76







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Dimensions in Inches (millimeters) are subject to change without notice.

795-008P

Panel Mount Receptacle, Pin Contacts

- Size #12 Contacts
- All-Aluminum Body
- Three to Eleven Ports
- 40 GHz SMPM Coax
- Environmental
- Scoop-Proof

Three to eleven ports. Size 12 contacts. 795-008 receptacles have machined aluminum housings and fluorosilicone grommet for environmental protection. Size 12 pin contact cavities have beryllium copper retention clips. Use with 40 GHz SMPM coax contacts (P/N 852-099, ordered separately).

PART NUMBER

795-008P 12-1RF3 M E P C

Base P/N	795-008P	
Arrangement No.	*See Table 1*	
	12-1RF3	*3 contacts*
	12-1RF5	*5 contacts*
	12-1RF6	*6 contacts*
	12-2RF5	*5 contacts, two row*
	12-2RF7	*7 contacts, two row*
	12-2RF9	*9 contacts, two row*
	12-2RF11	*11 contacts, two row*
	12-2RF13	*13 contacts, two row*
	12-2RF15	*15 contacts, two row*
	12-2RF17	*17 contacts, two row*
Finish	M	Electroless Nickel
	MT	Nickel-PTFE
	NF	Olive Drab Cadmium
	TZ	Tin-Zinc
	ZR	Black Zinc-Nickel
EMI Spring	E	EMI Spring
	N	No Spring
Jackpost	P	Jackpost *#8-32, Non-Removable*
	N	No Jackpost
O-ring	C	Conductive O-ring
	N	No O-ring

CONSTRUCTION

- **Shell:** aluminum
- **Grommet, face seal:** fluorosilicone
- **Jackpost:** SST, passivated
- **Contact retainer clip:** copper alloy, unplated
- O-ring: fluorosilicone, filled with silver-plated aluminum
- EMI spring: beryllium copper, nickel plated

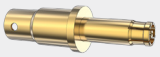
SPECIFICATIONS

- **Operating temperature:** -55 °C to +125 °C
- **Shock:** EIA-364-27 Condition D
- **Vibration:** EIA-364-28 Condition V Letter E
- **Shell-to-shell resistance:** 2.5 milliohms max. with ground spring option

COAX CONTACTS

Not included with 795-008 connector. Sold separately.

for Flexible Coax Cable



- See contacts reference page at the beginning of this section for compatible size #12 socket contacts

JACKPOST AND EMI SPRING

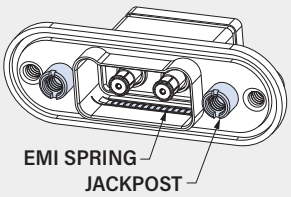
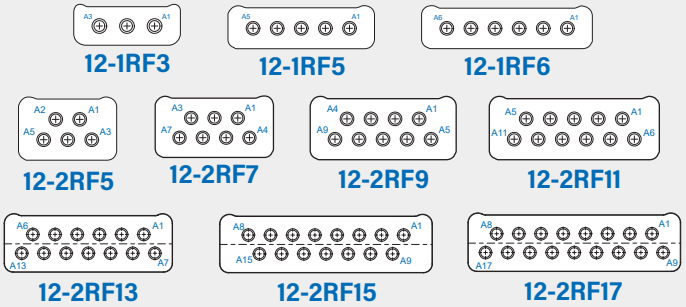


TABLE 1 ARRANGEMENT NUMBER

Optimized for Size #12 SMPM Contacts

Cable Diameter: .150" Max

Max Frequency: 40 GHz

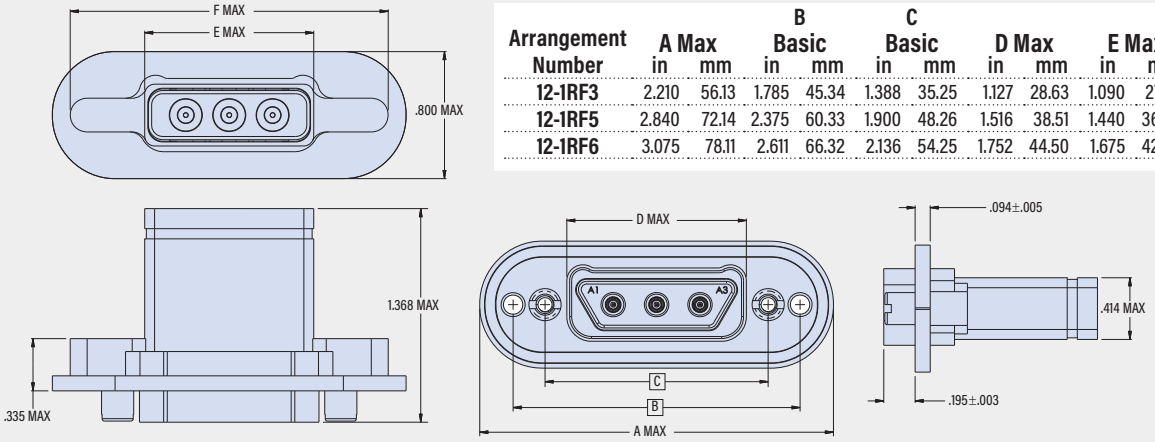


795-008P

Panel Mount Receptacle, Pin Contacts

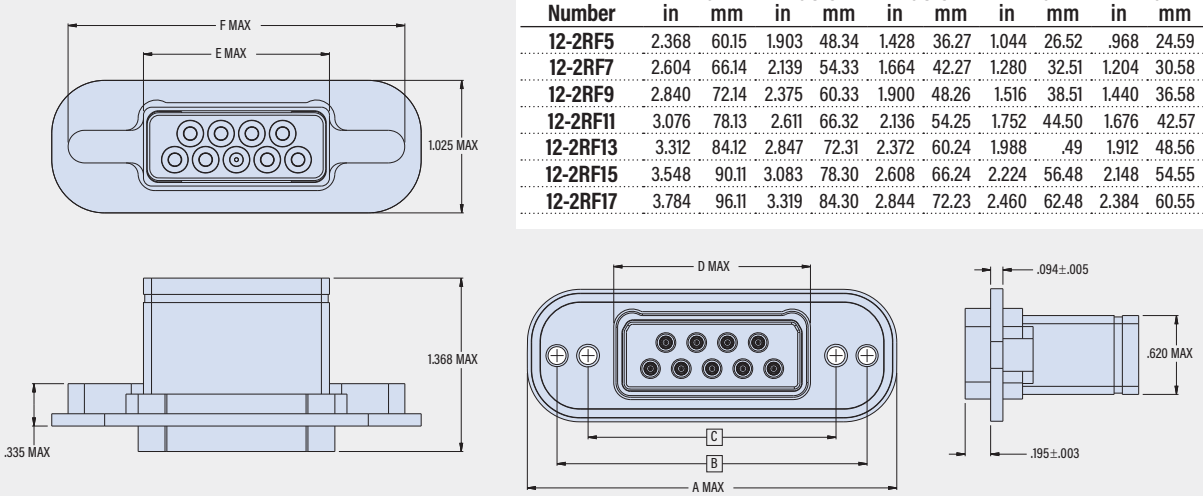
- Size #12 Contacts
- All-Aluminum Body
- Three to Eleven Ports
- 40 GHz SMPM Coax
- Environmental
- Scoop-Proof

795-008P SINGLE ROW



Arrangement Number	A Max in	A Max mm	B Basic in	B Basic mm	C Basic in	C Basic mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm
12-1RF3	2.210	56.13	1.785	45.34	1.388	35.25	1.127	28.63	1.090	27.69	1.983	50.37
12-1RF5	2.840	72.14	2.375	60.33	1.900	48.26	1.516	38.51	1.440	36.58	2.590	65.79
12-1RF6	3.075	78.11	2.611	66.32	2.136	54.25	1.752	44.50	1.675	42.54	2.826	71.78

795-008P DUAL ROW



Arrangement Number	A Max in	A Max mm	B Basic in	B Basic mm	C Basic in	C Basic mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm
12-2RF5	2.368	60.15	1.903	48.34	1.428	36.27	1.044	26.52	.968	24.59	2.118	53.80
12-2RF7	2.604	66.14	2.139	54.33	1.664	42.27	1.280	32.51	1.204	30.58	2.354	59.79
12-2RF9	2.840	72.14	2.375	60.33	1.900	48.26	1.516	38.51	1.440	36.58	2.590	65.79
12-2RF11	3.076	78.13	2.611	66.32	2.136	54.25	1.752	44.50	1.676	42.57	2.826	71.78
12-2RF13	3.312	84.12	2.847	72.31	2.372	60.24	1.988	.49	1.912	48.56	3.062	77.77
12-2RF15	3.548	90.11	3.083	78.30	2.608	66.24	2.224	56.48	2.148	54.55	3.298	83.76
12-2RF17	3.784	96.11	3.319	84.30	2.844	72.23	2.460	62.48	2.384	60.55	3.534	89.76

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795-009S
Cable Plug, Socket Contacts

- Size #16 Contacts
- All-Aluminum Body
- Two to Seventeen Ports
- 65 GHz SMPS Coax
- Environmental
- Scoop-Proof

Three to eleven ports. Size 16 contacts. 795-009 plugs have machined aluminum housings and fluorosilicone grommet for environmental protection. Size 16 socket contact cavities have beryllium copper retention clips. Use with 65 GHz SMPS coax contacts (P/N 852-159, ordered separately).

PART NUMBER

795-009S 16-1RF9 M L

Base P/N	795-009S
Arrangement No.	*See Table 1* 16-1RF2 *2 contacts* 16-2RF5 *5 contacts, two row* 16-1RF3 *3 contacts* 16-2RF9 *9 contacts, two row* 16-1RF5 *5 contacts* 16-2RF13 *13 contacts, two row* 16-1RF7 *7 contacts* 16-2RF17 *17 contacts, two row* 16-1RF9 *9 contacts*
Finish	M Electroless Nickel MT Nickel-PTFE NF Olive Drab Cadmium TZ Tin-Zinc ZR Black Zinc-Nickel
Hardware Option	*See Table 2* L **Jackscrews, Socket Head** *#8-32, non-removable* K **Extended Jackscrews Slot Head** *#8-32, non-removable* S **Low-Profile Socket Head Screwlock** *#8-32, non-removable* T **Extended Screwlock, Knurled Head** *#8-32, non-removable* P **Jackposts** *#8-32, with nut and lock washer* N **No Hardware** *.198 (5.0) diameter thru-holes*

CONSTRUCTION

- **Shell:** aluminum
- **Grommet:** fluorosilicone
- **Jackscrew:** SST, passivated
- **Contact retainer clip:** copper alloy, unplated

SPECIFICATIONS

- **Operating temperature:** -55 °C to +125 °C
- **Shock:** EIA-364-27 Condition D
- **Vibration:** EIA-364-28 Condition V Letter E
- **Shell-to-shell resistance:** 2.5 milliohms max. with ground spring option

COAX CONTACTS

Not included with 795-009 connector. Sold separately.

for S/R or Flexible Coax Cable

- See contacts reference page at the beginning of this section for compatible size #16 socket contacts

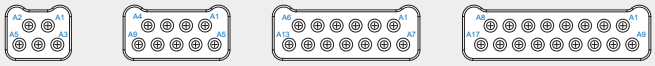
TABLE 1 ARRANGEMENT NUMBER

Optimized for Size #16 SMPS Contacts

16-1RF2 16-1RF3 16-1RF5 16-1RF7 16-1RF9

Cable diameter: .086" Max

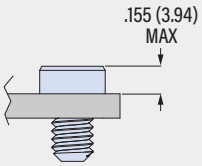
Max Freq: 65 GHz



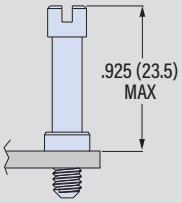
16-2RF5 16-2RF9 16-2RF13 16-2RF17

TABLE 2 HARDWARE OPTION

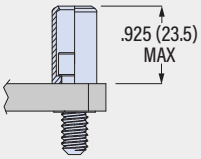
L Socket Head Captive Jackscrew, #8-32



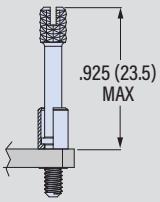
K Extended Captive Jackscrew, #8-32



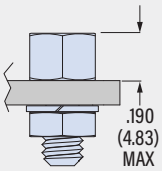
S Low-Profile Socket Head Captive Screwlock



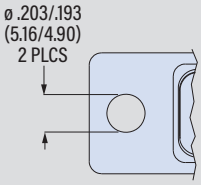
T Extended Captive Screwlock, Knurled Head



P Jackpost, Nut and Lock washer, #8-32



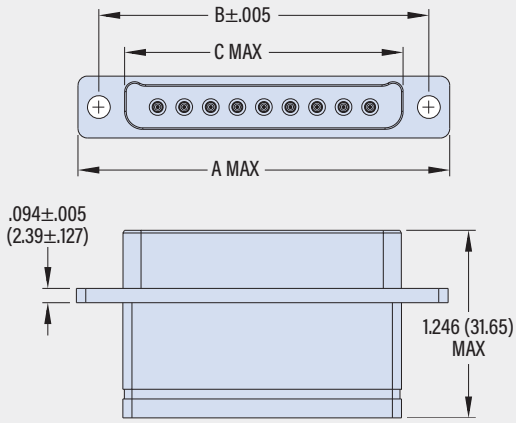
N No Jackscrew



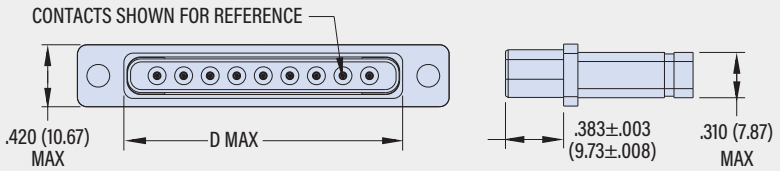
795-009S
Cable Plug, Socket Contacts

- Size #16 Contacts
- All-Aluminum Body
- Two to Seventeen Ports
- 65 GHz SMPS Coax
- Environmental
- Scoop-Proof

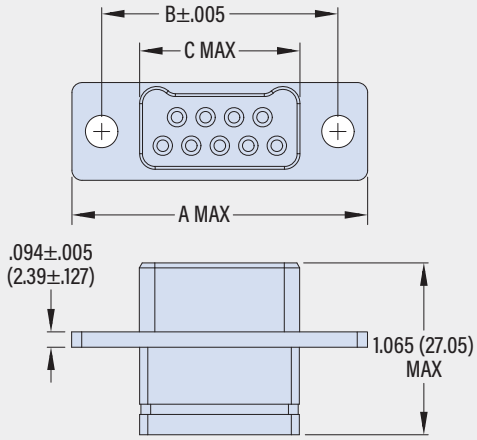
795-009S SINGLE ROW



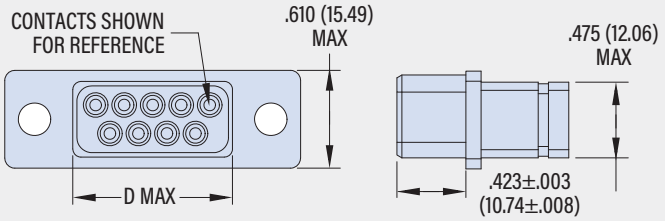
Arrangement Number	A Max in	A Max mm	B ±.005 (0.13) in	B ±.005 (0.13) mm	C Max. in	C Max. mm	D Max. in	D Max. mm
16-1RF2	1.185	30.01	.900	22.86	1.045	26.54	.963	24.66
16-1RF3	1.410	35.81	1.125	25.58	1.281	32.54	1.199	30.46
16-1RF5	1.560	39.62	1.085	27.56	1.517	38.53	1.435	36.45
16-1RF7	2.085	52.96	1.800	45.72	1.753	44.56	1.671	42.44
16-1RF9	2.460	62.48	2.175	55.25	1.835	46.61	1.840	46.74



795-009S DUAL ROW



Arrangement Number	A Max in	A Max mm	B ±.005 (0.13) in	B ±.005 (0.13) mm	C Max. in	C Max. mm	D Max. in	D Max. mm
16-2RF5	1.450	36.83	1.075	27.31	.615	15.62	.610	15.49
16-2RF9	1.825	46.35	1.450	36.83	.990	25.15	.985	25.02
16-2RF13	2.200	55.88	1.825	46.36	1.365	34.67	1.360	34.54
16-2RF17	2.575	65.41	2.200	55.88	1.740	44.20	1.735	44.01



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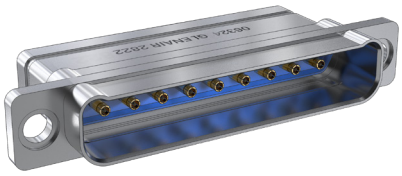
Dimensions in Inches (millimeters) are subject to change without notice.

795-010P
Cable Receptacle, Pin Contacts

- Size #16 Contacts
- All-Aluminum Body
- Two to Seventeen Ports
- 65 GHz SMPS Coax
- Environmental
- Scoop-Proof



Three to eleven ports. Size 16 contacts. 795-010 receptacles have machined aluminum housings and fluorosilicone grommet for environmental protection. Size 16 pin contact cavities have beryllium copper retention clips. Use with 65 GHz SMPS coax contacts (P/N 852-133, ordered separately).

PART NUMBER

795-010P 16-1RF9 M L

Base P/N	795-010P
Arrangement No.	*See Table 1* 16-1RF2 *2 contacts* 16-2RF5 *5 contacts, two row* 16-1RF3 *3 contacts* 16-2RF9 *9 contacts, two row* 16-1RF5 *5 contacts* 16-2RF13 *13 contacts, two row* 16-1RF7 *7 contacts* 16-2RF17 *17 contacts, two row* 16-1RF9 *9 contacts*
Finish	M Electroless Nickel MT Nickel-PTFE NF Olive Drab Cadmium TZ Tin-Zinc ZR Black Zinc-Nickel
Hardware Option	*See Table 2* L **Jackscrews, Socket Head** *#8-32, non-removable* K **Extended Jackscrews Slot Head** *#8-32, non-removable* S **Low-Profile Socket Head Screwlock** *#8-32, non-removable* T **Extended Screwlock, Knurled Head** *#8-32, non-removable* P **Jackposts** *#8-32, with nut and lock washer* N **No Hardware** *.198 (5.0) diameter thru-holes*

CONSTRUCTION

- **Shell:** aluminum
- **Grommet:** fluorosilicone
- **Jackscrew:** SST, passivated
- **Contact retainer clip:** copper alloy, unplated

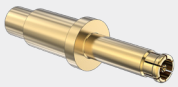
SPECIFICATIONS

- **Operating temperature:** -55 °C to +125 °C
- **Shock:** EIA-364-27 Condition D
- **Vibration:** EIA-364-28 Condition V Letter E
- **Shell-to-shell resistance:** 2.5 milliohms max. with ground spring option

COAX CONTACTS

Not included with 795-010 connector. Sold separately.

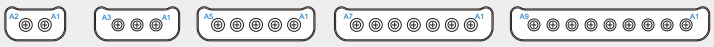
for S/R or Flexible Coax Cable



- See contacts reference page at the beginning of this section for compatible size #16 socket contacts

TABLE 1 ARRANGEMENT NUMBER

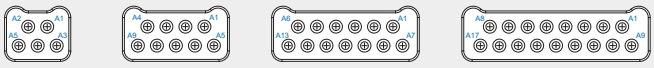
Optimized for Size #16 SMPS Contacts



16-1RF2 16-1RF3 16-1RF5 16-1RF7 16-1RF9

Cable diameter: .086" Max

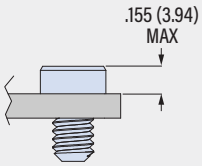
Max Freq: 65 GHz



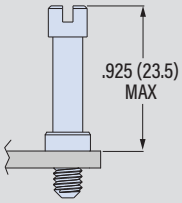
16-2RF5 16-2RF9 16-2RF13 16-2RF17

TABLE 2 HARDWARE OPTION

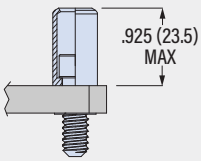
L Socket Head Captive Jackscrew, #8-32



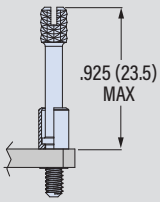
K Extended Captive Jackscrew, #8-32



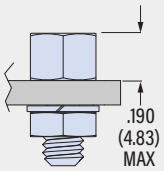
S Low-Profile Socket Head Captive Screwlock



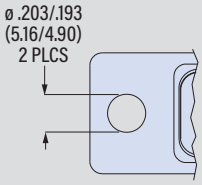
T Extended Captive Screwlock, Knurled Head



P Jackpost, Nut and Lock washer, #8-32



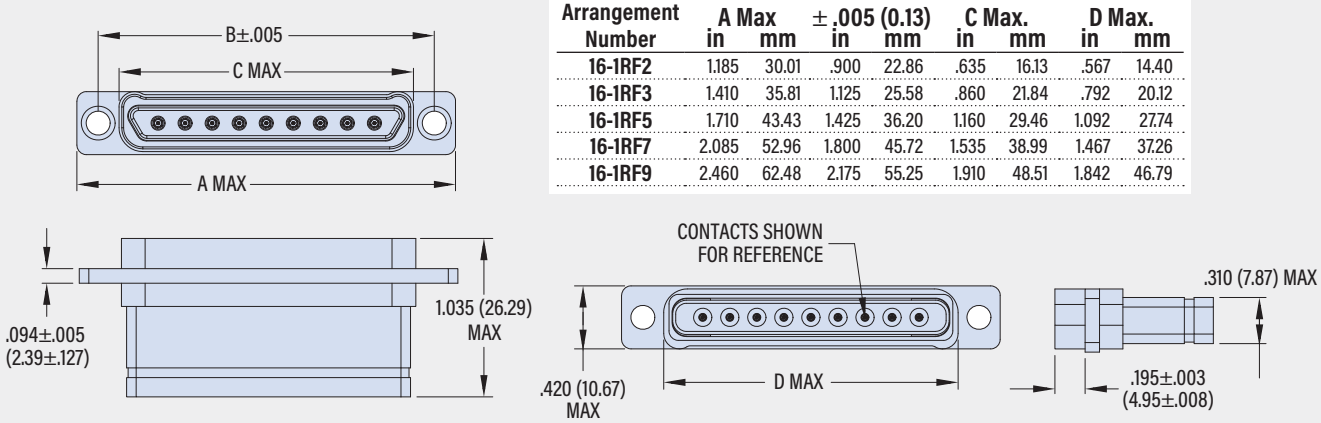
N No Jackscrew



795-010P
Cable Receptacle, Pin Contacts

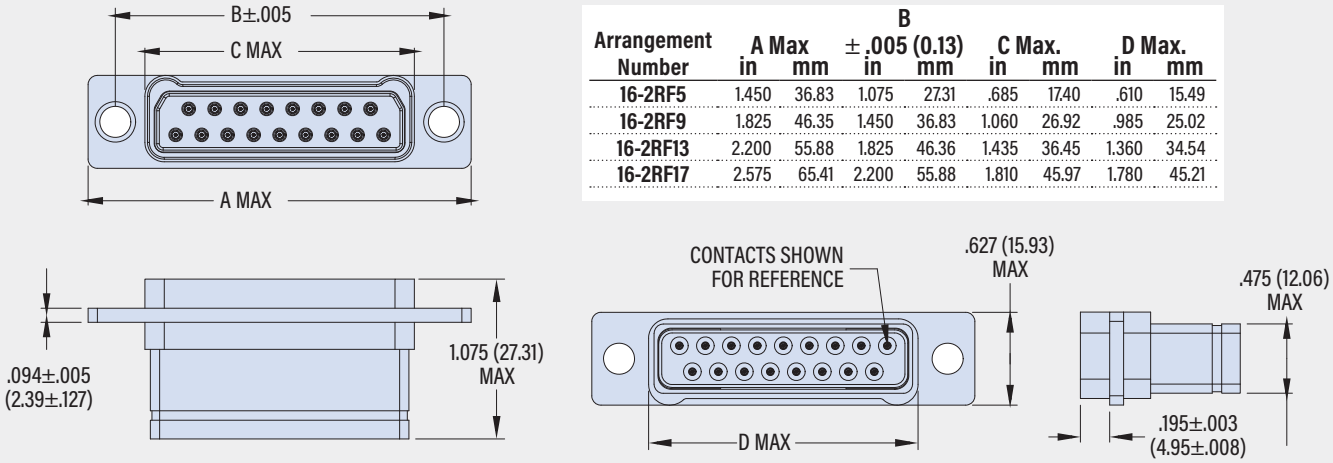
- Size #16 Contacts
- All-Aluminum Body
- Two to Seventeen Ports
- 65 GHz SMPS Coax
- Environmental
- Scoop-Proof

795-010P SINGLE ROW



Arrangement Number	A Max in	A Max mm	B ±.005 (0.13) in	B ±.005 (0.13) mm	C Max. in	C Max. mm	D Max. in	D Max. mm
16-1RF2	1.185	30.01	.900	22.86	.635	16.13	.567	14.40
16-1RF3	1.410	35.81	1.125	25.58	.860	21.84	.792	20.12
16-1RF5	1.710	43.43	1.425	36.20	1.160	29.46	1.092	27.74
16-1RF7	2.085	52.96	1.800	45.72	1.535	38.99	1.467	37.26
16-1RF9	2.460	62.48	2.175	55.25	1.910	48.51	1.842	46.79

795-010P DUAL ROW



Arrangement Number	A Max in	A Max mm	B ±.005 (0.13) in	B ±.005 (0.13) mm	C Max. in	C Max. mm	D Max. in	D Max. mm
16-2RF5	1.450	36.83	1.075	27.31	.685	17.40	.610	15.49
16-2RF9	1.825	46.35	1.450	36.83	1.060	26.92	.985	25.02
16-2RF13	2.200	55.88	1.825	46.36	1.435	36.45	1.360	34.54
16-2RF17	2.575	65.41	2.200	55.88	1.810	45.97	1.780	45.21

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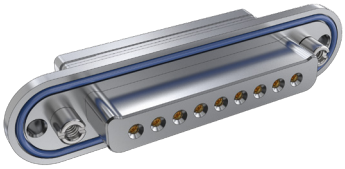
795-011S

Panel-Mount Plug, Socket Contacts

- Size #16 Contacts
- All-Aluminum Body
- Two to Seventeen Ports
- 65 GHz SMPS Coax
- Environmental
- Scoop-Proof



Three to eleven ports. Size 16 contacts. 795-011 plugs have machined aluminum housings and fluorosilicone grommet for environmental protection. Size 16 socket contact cavities have beryllium copper retention clips. Use with 65 GHz SMPS coax contacts (P/N 852-159, ordered separately).

PART NUMBER

795-011S 16-1RF2 M P N

Base P/N	795-011S	
Arrangement No.	*See Table 1*	
	16-1RF2	*2 contacts*
	16-1RF3	*3 contacts*
	16-1RF5	*5 contacts*
	16-1RF7	*7 contacts*
	16-1RF9	*9 contacts*
	16-2RF5	*5 contacts, two row*
	16-2RF9	*9 contacts, two row*
	16-2RF13	*13 contacts, two row*
	16-2RF17	*17 contacts, two row*
Finish	M	Electroless Nickel
	MT	Nickel-PTFE
	NF	Olive Drab Cadmium
	TZ	Tin-Zinc
	ZR	Black Zinc-Nickel
Jackpost	P	Jackpost *#8-32, Non-Removable*
	N	No Jackpost
O-ring	F	Fluorosilicone O-Ring
	C	Conductive O-ring
	N	No O-ring
	S	Metal EMI Spring (non-environmental)

CONSTRUCTION

- **Shell:** aluminum
- **Grommet:** fluorosilicone
- **Jackscrew:** SST, passivated
- **Contact retainer clip:** copper alloy, unplated

SPECIFICATIONS

- **Operating temperature:** -55 °C to +125 °C
- **Shock:** EIA-364-27 Condition D
- **Vibration:** EIA-364-28 Condition V Letter E
- **Shell-to-shell resistance:** 2.5 milliohms max. with ground spring option

COAX CONTACTS

Not included with 795-011 connector. Sold separately.

for S/R or Flexible Coax Cable

- See contacts reference page at the beginning of this section for compatible size #16 socket contacts

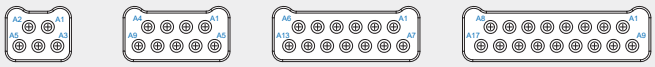
TABLE 1 ARRANGEMENT NUMBER

Optimized for Size #16 SMPS Contacts

16-1RF2 16-1RF3 16-1RF5 16-1RF7 16-1RF9

Cable diameter: .086" Max

Max Freq: 65 GHz



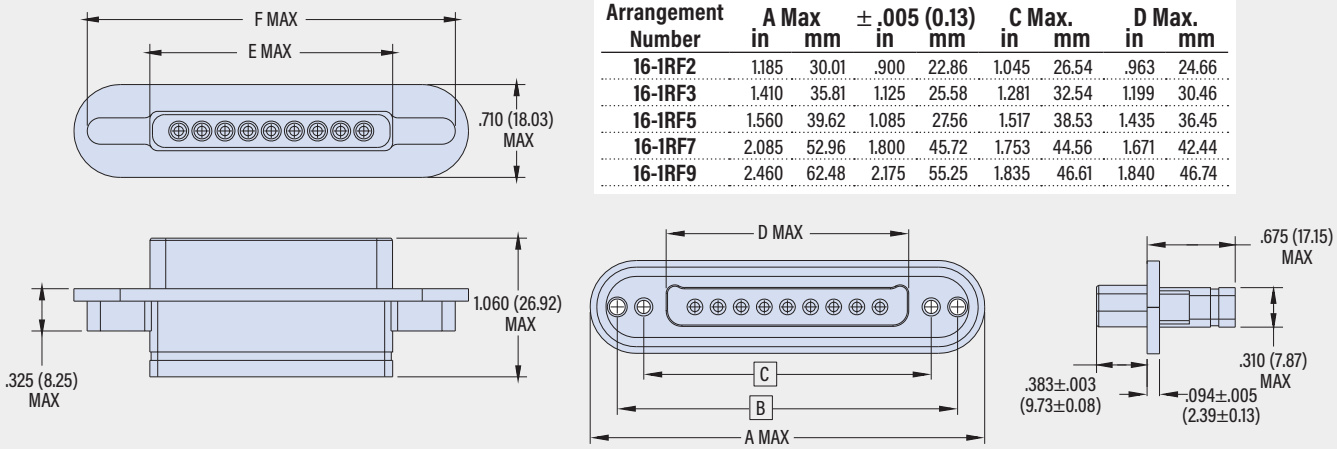
16-2RF5 16-2RF9 16-2RF13 16-2RF17

795-011S

Panel-Mount Plug, Socket Contacts

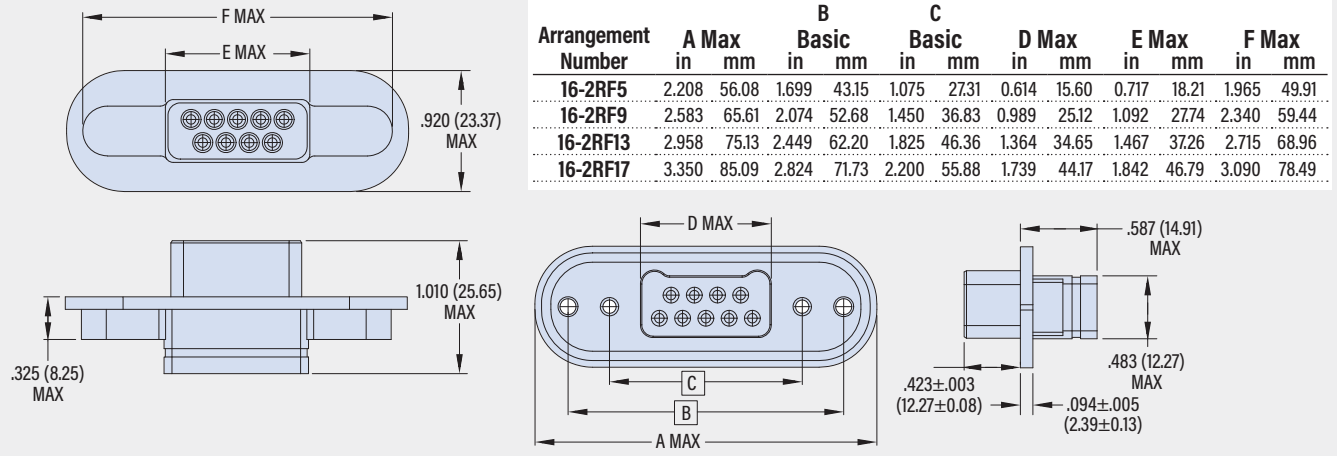
- Size #16 Contacts
- All-Aluminum Body
- Two to Seventeen Ports
- 65 GHz SMPS Coax
- Environmental
- Scoop-Proof

795-011S SINGLE ROW



Arrangement Number	A Max in	A Max mm	B ±.005 (0.13) in	B ±.005 (0.13) mm	C Max. in	C Max. mm	D Max. in	D Max. mm
16-1RF2	1.185	30.01	.900	22.86	1.045	26.54	.963	24.66
16-1RF3	1.410	35.81	1.125	25.58	1.281	32.54	1.199	30.46
16-1RF5	1.560	39.62	1.085	27.56	1.517	38.53	1.435	36.45
16-1RF7	2.085	52.96	1.800	45.72	1.753	44.56	1.671	42.44
16-1RF9	2.460	62.48	2.175	55.25	1.835	46.61	1.840	46.74

795-011S DUAL ROW



Arrangement Number	A Max in	A Max mm	B Basic in	B Basic mm	C Basic in	C Basic mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm
16-2RF5	2.208	56.08	1.699	43.15	1.075	27.31	0.614	15.60	0.717	18.21	1.965	49.91
16-2RF9	2.583	65.61	2.074	52.68	1.450	36.83	0.989	25.12	1.092	27.74	2.340	59.44
16-2RF13	2.958	75.13	2.449	62.20	1.825	46.36	1.364	34.65	1.467	37.26	2.715	68.96
16-2RF17	3.350	85.09	2.824	71.73	2.200	55.88	1.739	44.17	1.842	46.79	3.090	78.49

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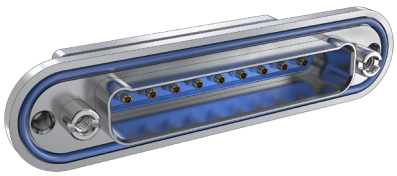
Dimensions in Inches (millimeters) are subject to change without notice.

795-012P
Panel Mount Receptacle, Pin Contacts

- Size #16 Contacts
- All-Aluminum Body
- Two to Seventeen Ports
- 65 GHz SMPS Coax
- Environmental
- Scoop-Proof



Three to eleven ports. Size 16 contacts. 795-012 receptacles have machined aluminum housings and fluorosilicone grommet for environmental protection. Size 16 pin contact cavities have beryllium copper retention clips. Use with 65 GHz SMPS coax contacts (P/N 852-133, ordered separately).

PART NUMBER

795-012P 16-1RF2 M P N

Base P/N	795-012P	
Arrangement No.	*See Table 1*	
	16-1RF2	*2 contacts*
	16-1RF3	*3 contacts*
	16-1RF5	*5 contacts*
	16-1RF7	*7 contacts*
	16-1RF9	*9 contacts*
	16-2RF5	*5 contacts, two row*
	16-2RF9	*9 contacts, two row*
	16-2RF13	*13 contacts, two row*
	16-2RF17	*17 contacts, two row*
Finish	M	Electroless Nickel
	MT	Nickel-PTFE
	NF	Olive Drab Cadmium
	TZ	Tin-Zinc
	ZR	Black Zinc-Nickel
Jackpost	P	Jackpost *#8-32, Non-Removable*
	N	No Jackpost
O-ring	F	Fluorosilicone O-Ring
	C	Conductive O-ring
	N	No O-ring
	S	Metal EMI Spring (non-environmental)

CONSTRUCTION

- **Shell:** aluminum
- **Grommet:** fluorosilicone
- **Jackscrew:** SST, passivated
- **Contact retainer clip:** copper alloy, unplated

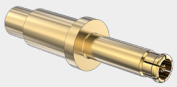
SPECIFICATIONS

- **Operating temperature:** -55 °C to +125 °C
- **Shock:** EIA-364-27 Condition D
- **Vibration:** EIA-364-28 Condition V Letter E
- **Shell-to-shell resistance:** 2.5 milliohms max. with ground spring option

COAX CONTACTS

Not included with 795-012 connector. Sold separately.

for S/R or Flexible Coax Cable



- See contacts reference page at the beginning of this section for compatible size #16 socket contacts

JACKPOST AND EMI SPRING

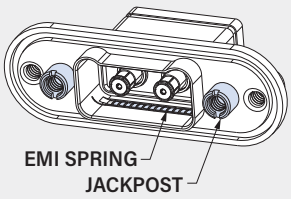


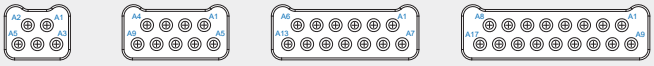
TABLE 1 ARRANGEMENT NUMBER

Optimized for Size #16 SMPS Contacts

16-1RF2 16-1RF3 16-1RF5 16-1RF7 16-1RF9

Cable diameter: .086" Max

Max Freq: 65 GHz

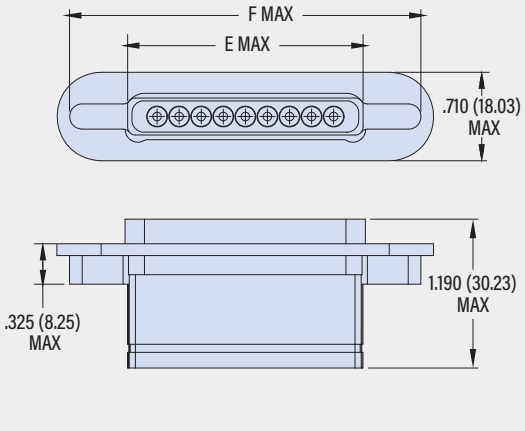


16-2RF5 16-2RF9 16-2RF13 16-2RF17

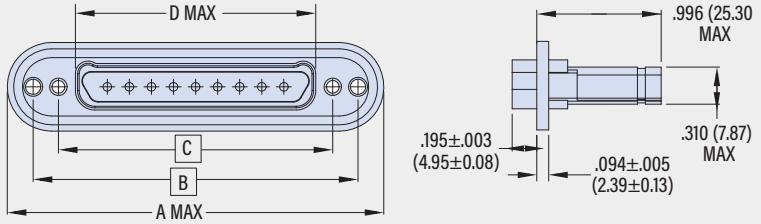
795-012P
Panel Mount Receptacle, Pin Contacts

- Size #16 Contacts
- All-Aluminum Body
- Two to Seventeen Ports
- 65 GHz SMPS Coax
- Environmental
- Scoop-Proof

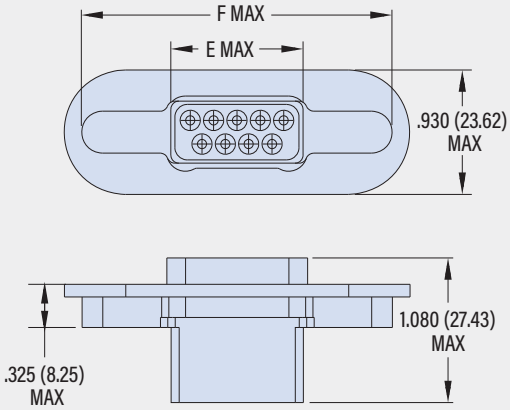
795-012P SINGLE ROW



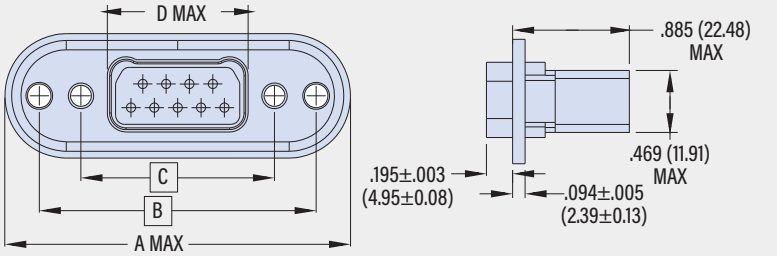
Arrangement Number	A Max in	A Max mm	B Basic in	B Basic mm	C Basic in	C Basic mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm
16-1RF2	1.715	43.56	1.300	33.02	0.900	22.86	0.565	14.35	0.635	16.13	0.560	14.22
16-1RF3	1.940	49.28	1.525	38.74	1.125	28.58	0.790	20.07	0.860	21.84	0.810	20.57
16-1RF5	2.240	56.90	1.825	46.36	1.425	36.20	1.090	27.69	1.160	29.46	1.110	28.19
16-1RF7	2.615	66.42	2.200	55.88	1.800	45.72	1.465	37.21	1.535	38.99	1.462	37.13
16-1RF9	2.990	75.95	2.575	65.41	2.175	55.25	1.840	46.74	1.910	48.51	1.872	47.55



795-012P DUAL ROW



Arrangement Number	A Max in	A Max mm	B Basic in	B Basic mm	C Basic in	C Basic mm	D Max in	D Max mm	E Max in	E Max mm	F Max in	F Max mm
16-2RF5	2.208	56.08	1.699	43.15	1.075	27.31	.684	17.37	.620	15.75	1.965	49.91
16-2RF9	2.583	65.61	2.074	52.68	1.450	36.83	1.059	26.90	.995	25.27	2.340	59.44
16-2RF13	2.958	75.13	2.449	62.20	1.825	46.36	1.434	36.42	1.370	34.80	2.715	68.96
16-2RF17	3.350	85.09	2.824	71.73	2.200	55.88	1.809	45.95	1.745	44.32	3.090	78.49



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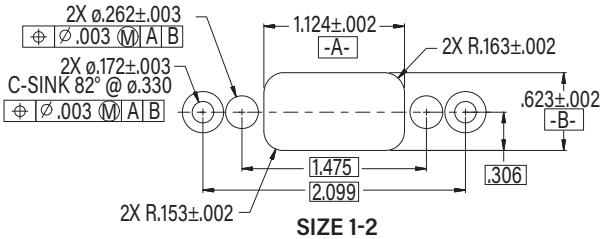
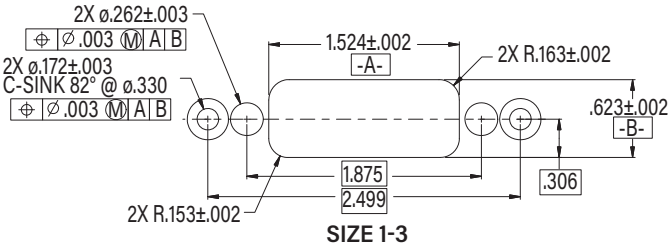
Panel Cutouts

Recommended cutouts for Series 795 panel mount plug and receptacle connectors



SIZE 1-2



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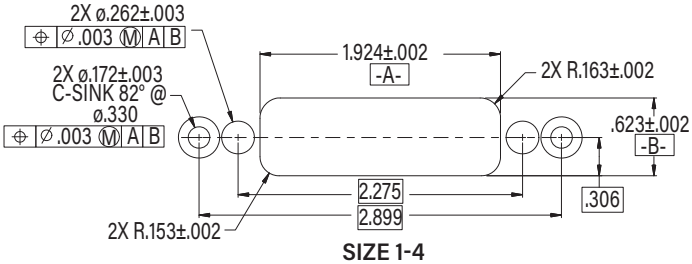
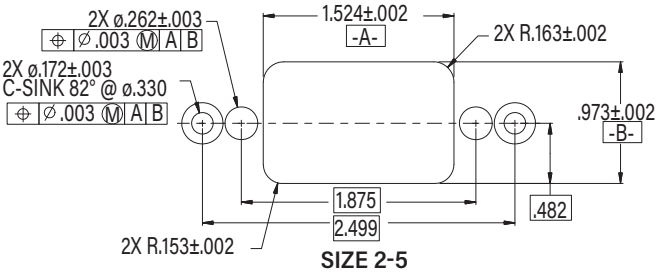
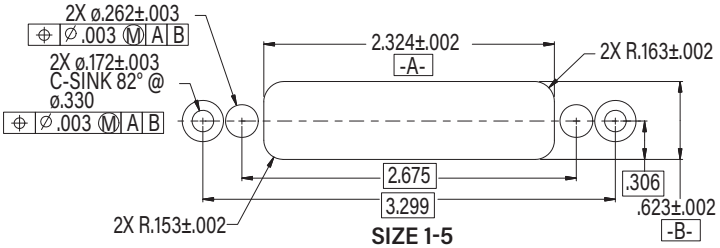


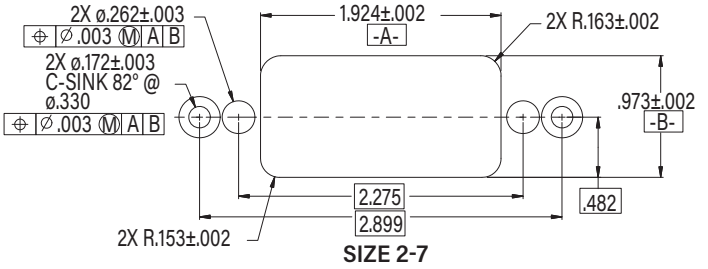
SIZE 1-4



SIZE 2-5



SIZE 1-5



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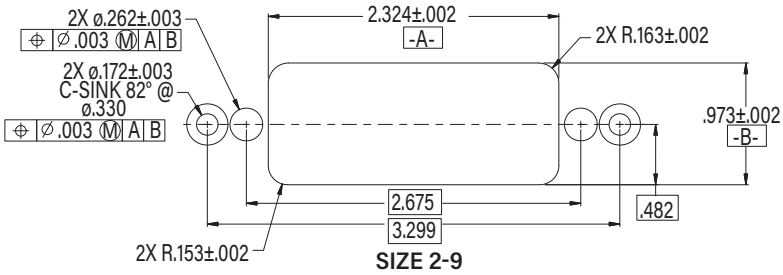


SIZE 2-9

Selection Guide ▪ Coax and combo coax contact arrangements materials and finishes ▪ panel cutouts

The Series GMMD is an innovative modular Micro-D connector for RF coax and high-speed differential datalink applications. The unique micro miniature design of the GMMD also accommodates standard analog signal and power contacts, making it the most versatile Micro-D rectangular in the industry. GMMD leverages RF Coax contacts with Glenair Signature Micro-D and Nano TwistPin contact inserts. GMMD is supplied as factory-terminated pigtails, point-to-point jumpers, and SMT receptacles for easy PCB mounting.

Connector Selection Guide

GMMD-HRE / -HRPE
Horizontal PCB-mount Coax receptacles
Page 75

GMMD-FP / -FPE / -FR / -FRP / -FPCC
Coax and Combo Coax jumpers and pigtails ▪ Page 78

GMMD COAX AND COMBO COAX CONTACT ARRANGEMENTS
(additional arrangements are available, consult factory)

Contact Arrangement	2C	4C	6C
Shell Size	9	21	25
No. / type of contacts	2 X 50Ω Coax	4X 50Ω Coax	6X 50Ω Coax

Contact Arrangement	8C	16C
Shell Size	37	67
No. / type of contacts	8 X 50Ω Coax	16X 50Ω Coax

Contact Arrangement	2C9	1V9	2V9	4V
Shell Size	21	21	31	21
No. / type of contacts	2X 50Ω Coax, 9 X #24	1 X 75Ω Coax, 9 X #24	2 X 75Ω Coax, 9 X #24	4 X 75Ω Coax

GMMD MODULAR HIGH-SPEED MICRO-D STANDARD MATERIALS AND FINISHES

Connector Shell, Metal	Aluminum Alloy 6061 IAW SAE AMS-QQ-A-250/11: Plating code 2: electroless nickel IAW ASTM B733 / Plating code 5: gold plated IAW ASTM B488 over electroless nickel IAW ASTM B733-90. / Plating code 6: chem film IAW MIL-C-5541 Class 3 Stainless Steel, 300 Series: Plating Code 3: Passivated IAW SAE AMS 2700
#24 Insulator and organizer tray	High-grade, high-temperature thermoplastic
Interfacial Seal (where applicable)	Fluorosilicone rubber IAW MIL-R-25988
#24 Pin Contact (TwistPin)	Beryllium copper, gold plated IAW ASTM B 488 Type II Class 1.27 (50 Min minimum) Code C, over nickel underplate IAW SAE AMS-QQ-N-290, class 2, (50-150 µin).
#24 Socket Contact	Phos bronze IAW ASTM 139 gold plated IAW ASTM B 488 Type II Class 1.27 (50 Min minimum) Code C, over nickel underplate IAW SAE-AMS-QQ-N-290, Class 2, (50-150 µin).
Coax isolating bush	High-grade thermoplastic
Encapsulant	High-temperature potting
Jackscrews, Jackposts, Float Mounts	Stainless steel, 300 series, passivated IAW SAE AMS 2700

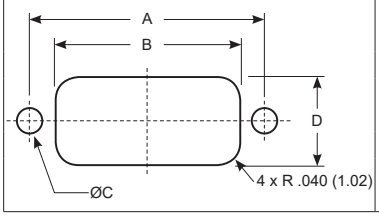
COMPLETE LIST OF CONTACT ARRANGEMENTS

50Ω Coax		75Ω Coax	
Arrangement	Shell Size	Arrangement	Shell Size
1C	9	1V	9
2C	9	2V	15
4C	21	3V	21
5C	21	4V	25
6C	25	5V	31
7C	31	6V	37
8C	37	8V	51
9C	37	10V	67
12C	51	1V9	21
16C	67	2V9	25
2C9	21	3V9	31
4C9	31	4V9	37
8C9	51	6V9	51
11C9	67	8V9	67
1C15	25	1V15	25
2C15	31	2V15	31
4C15	37	3V15	37
6C15	51	5V15	51
10C15	67	7V15	67
1C21	31	2V21	37
2C21	37	4V21	51
5C21	51	6V21	67
8C21	67	1V25	37
2C25	37	3V25	51
4C25	51	6V25	67
8C25	67	2V31	51
3C31	51	5V31	67
6C31	67	2V37	51
2C37	51	4V37	67
5C37	67	2V51	67
2C51	67		

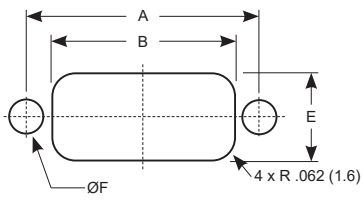
RECOMMENDED PANEL CUTOUT

Layout Diagram

Front Panel Mount



Rear Panel Mount



Layout	A mm. ± 0.08	B mm. ± 0.05	C mm. ± 0.05	D mm. ± 0.05	E mm. + 0.13, - 0.00	F mm. ± 0.05
9	14.35	10.41	2.31	7.04	6.50	3.20
15	18.16	14.22	2.31	7.04	6.50	3.20
21	21.97	18.03	2.31	7.04	6.50	3.20
25	24.51	20.57	2.31	7.04	6.50	3.20
31	28.32	24.38	2.31	7.04	6.50	3.20
37	32.13	28.19	2.31	7.04	6.50	3.20
51-2	41.02	37.08	2.31	7.04	6.50	3.20
67	51.18	47.19	2.31	7.04	6.50	3.20

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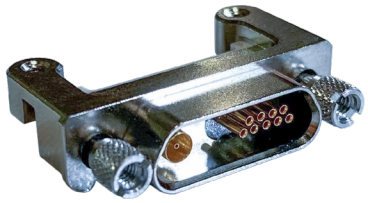
Horizontal PCB-mount coax and combo coax receptacles
Surface-mount termination • edge-launched



GMMD-HRE horizontal PCB-mount receptacle (combo 1V9 layout shown)

HOW TO ORDER

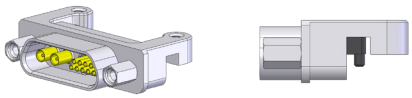
Sample Part Number	GMMD	-HRE	2C9	-2	P	M	1

Series	**GMMD** = Glenair Modular High-Speed Micro-D
Connector Format	**-HRE** = Horizontal edge-launched receptacle **-HRPE** = Horizontal panel-sealed edge launched recept.
Contact Arrangement	See Table. Consult factory for additional arrangements.
Shell Material / Finish	**-2** = Aluminum / Electroless Nickel **-5** = Aluminum / Gold **-3** = Stainless Steel / Passivated **-6** = Aluminum/Alchromate **-7** = Aluminum / Nickel-PTFE **-8** = Aluminum / Zinc-Nickel, Black
Jackpost Options	Specify per Jackpost / Hardware Options in table below
Board-Mount Options	Specify per Board-Mount Thread Options in table below
Sealing Options for HRPE (omit for HRE)	**0** = No O-ring **1** = Fluorosilicone **2** = Passivated silver-plated aluminum-filled fluorosilicone **3** = Nickel-plated aluminum-filled fluorosilicone

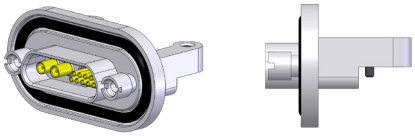
CONNECTOR FEATURES

- One of the smallest rugged multiway RF coax connectors available
- 50Ω on 3.18mm pitch for combo arrangements
- 50Ω on 2.54 pitch for coax-only arrangements
- Shield isolated from connector shell
- PCB edge-launched for optimized 20GHz high-bandwidth performance
- Compatible with RG178, semi rigid and flexible 047 cables and 086 for 50Ω

CONNECTOR FORMAT



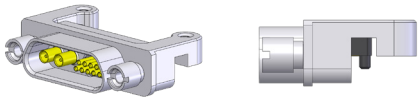
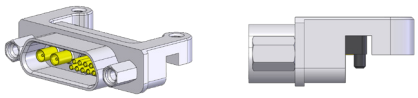
GMMD-HRE
Horizontal PCB-Mount Edge-Launched Receptacle



GMMD-HRPE
Horizontal PCB-Mount Panel-Sealed Edge-Launched Receptacle

JACKPOST / HARDWARE OPTIONS and BOARD-MOUNT THREAD OPTIONS

For **Rear panel mount jackpost**, specify Jackpost option code **T**, **U**, **V**, **W**, **X**, or **Y** per required panel thickness, and board-mount thread option.
For **Factory installed jackpost**, specify code **S** and board-mount thread option.

		Jackpost option		Board-Mount Thread Option	
		Code	Panel Thickness		
Rear panel mount jackpost		T	2.4mm	M	M2 metric
		U	2.0mm		
		V	1.6mm		
		W	1.2mm	U	#2-56 UNC
		X	0.8mm		
		Y	0.6mm		
Factory installed jackpost		S		M	M2 metric
				U	#2-56 UNC

GMMD COAX AND COMBO COAX CONTACT ARRANGEMENTS

Code	Shell Size	Coax Contacts	#24 Contacts
2C	9	2x50Ω	
4C	21	4x50Ω	
6C	25	6x50Ω	
8C	31	8x50Ω	
16C	67	16x50Ω	
1C9	15	1x50Ω	9
2C9	21	2x50Ω	9
1V9	21	1x75Ω	9
2V9	31	2x75Ω	9
4V	21	4x75Ω	

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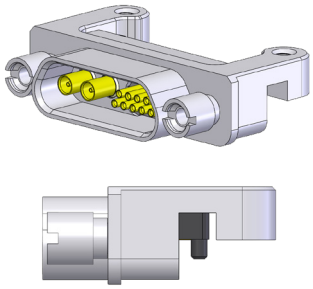
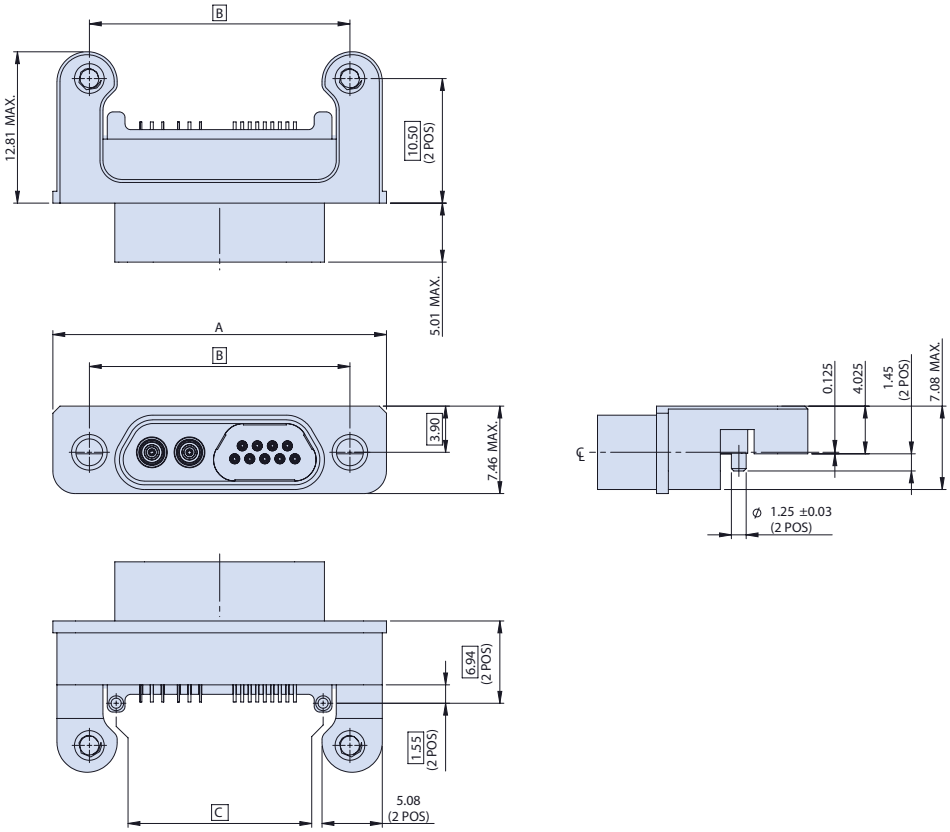
Horizontal PCB-mount coax and combo coax receptacles
Surface-mount termination • edge-launched

GMMD-HRE HORIZONTAL EDGE-LAUNCHED PCB-MOUNT CONNECTOR DIMENSIONS



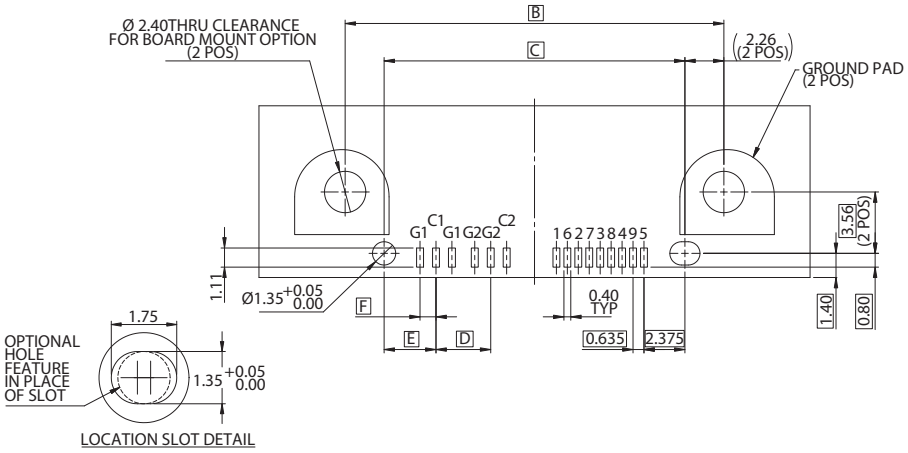
GMMD-HRE
Horizontal PCB-Mount Edge-Launched Receptacle

Shell size	A (mm)	B (mm)	C (mm)
9	20.56	14.35	9.83
15	24.37	18.16	13.64
21	28.18	21.97	17.45
25	30.72	24.51	19.99
31	34.53	28.32	23.80
51	47.23	41.02	36.50
67	57.39	51.18	46.66



PCB MOUNTING PATTERN FOR GMMD-HRE HORIZONTAL EDGE-LAUNCHED PCB-MOUNT CONNECTOR (SMT MOUNT - COMPONENT SIDE)

			D	E	F
50ohm hybrid			3.175	3.01	0.925
75ohm hybrid			4.15	3.53	1.325
	Shell size	Arrangement			
50ohm only	9	2C	2.54	3.645	0.925
	21	4C	2.54	4.915	0.925
	25	6C	2.54	3.645	0.925
	3	8C	2.54	3.01	0.925
	51-2	12C	2.54	4.28	0.925
	67	16C	2.54	4.28	0.925
75ohm only	9	2V	3.5	3.165	1.325
	15	3V	3.5	3.32	1.325
	21	4V	3.5	3.475	1.325



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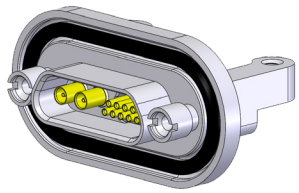
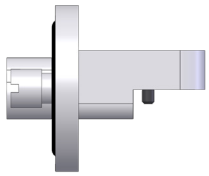
Dimensions in Inches (millimeters) are subject to change without notice.

Horizontal PCB-mount coax and combo coax receptacles
Surface-mount termination • panel-sealed edge-launched

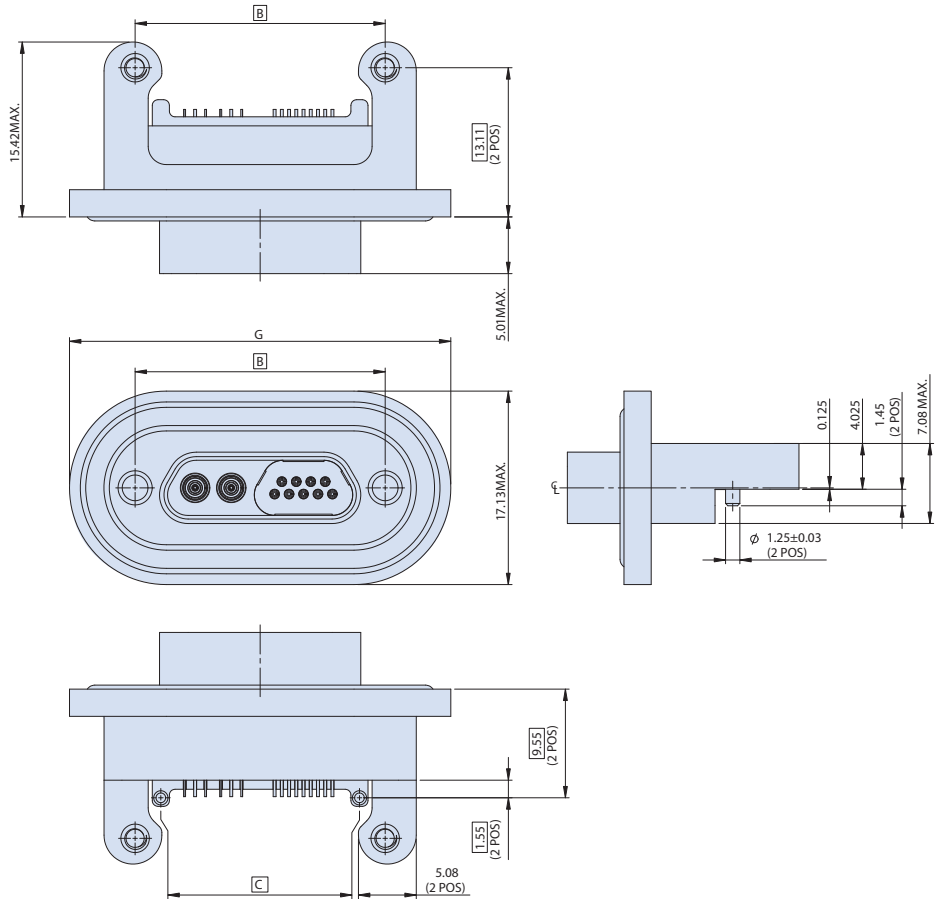
GMMD-HRPE HORIZONTAL PANEL-SEALED EDGE-LAUNCHED PCB-MOUNT CONNECTOR DIMENSIONS





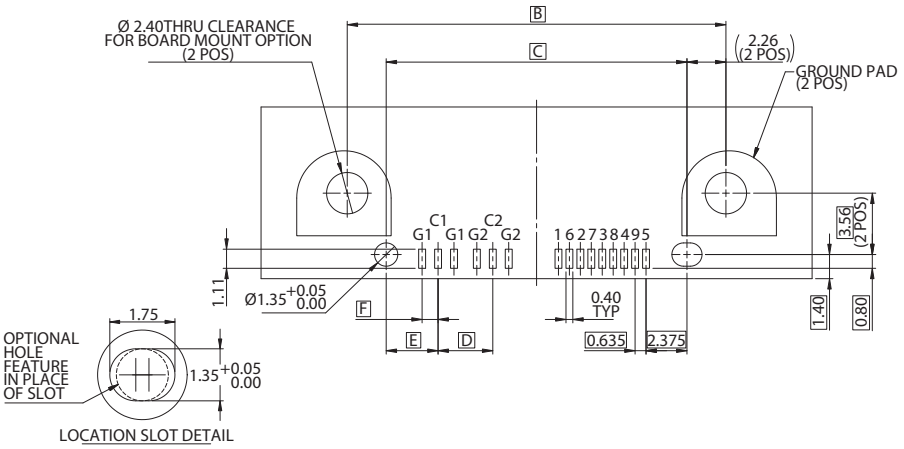
GMMD-HRPE
Horizontal PCB-Mount Panel-Sealed Edge-Launched Receptacle

Shell size	B (mm)	C (mm)	G (mm)
9	9.83	25.88	25.88
15	13.64	29.69	26.69
21	17.45	33.50	33.50
25	19.99	36.04	36.04
31	23.80	39.85	39.85
67	46.66	62.71	62.71

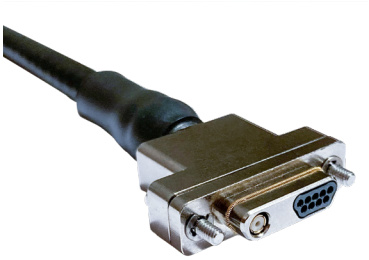


PCB MOUNTING PATTERN FOR GMMD-HRPE HORIZONTAL PANEL-SEALED EDGE-LAUNCHED PCB-MOUNT (SMT MOUNT - COMPONENT SIDE)

			D	E	F
50ohm hybrid			3.175	3.01	0.925
75ohm hybrid			4.15	3.53	1.325
	Shell size	Arrangement			
50ohm only	9	2C	2.54	3.645	0.925
	21	4C	2.54	4.915	0.925
	25	6C	2.54	3.645	0.925
	3	8C	2.54	3.01	0.925
	51-2	12C	2.54	4.28	0.925
	67	16C	2.54	4.28	0.925
75ohm only	9	2V	3.5	3.165	1.325
	15	3V	3.5	3.32	1.325
	21	4V	3.5	3.475	1.325



Coax and combo coax jumper assemblies
Plug-to-plug • plug-to-receptacle • receptacle-to-receptacle



Back-to-back Coax cable assemblies provide a turnkey solution for easy on-site installation. Assemblies are supplied with GMMD plug or receptacle on each end in a choice of any coax or combo contact arrangement. Environmental seal options are available for plug connectors. 50Ω and 75Ω Coax cable may be ordered in flexible or semi-rigid configurations, standard M22759/33 signal cable in 24 – 30 AWG. EMI shielded with five optional braid materials, including Glenair Signature weight-saving composite microfilament AmberStrand or microfilament stainless steel ArmorLite. Outer jacket options available for environmental and abrasion protection. Integral backshells, hardware, and wire exit direction all fully customizable.

HOW TO ORDER

Sample Part Number	GMMD	-FPE	2C15	-C	M	A	N	R	L	5	-FPE	T	S	3	2	-800	-2

Series	**GMMD** = Glenair Modular High-Speed Micro-D
Connector 1 Type	**FP** = Plug **FPE** = Plug Environmental **FR** = Receptacle **FRP** = Rear Panel Mount Receptacle
Contact Arrangement	**2C9** = 2 X 50Ω Coax + 9 X #24 discretes **4V15** = 4 X 75Ω Coax + 15 X #24 discretes **8C** = 8 X 50Ω Coax
Coax Cable	**-C** = 50Ω RG178 **-V** = 75Ω RG179 **-D** = 50Ω 047 Semi-Rigid **-W** = 75Ω Semi-Rigid **-E** = 50Ω 047 Flexible
Signal Cables*	**L** = 24AWG M22759/33 wire **N** = 28AWG M22759/33 wire **M** = 26AWG M22759/33 wire **O** = 30AWG M22759/33 wire
Shield Options	**A** = SnCu braid (100-001A) **B** = 100% AmberStrand (103-026) **C** = 100% ArmorLite (103-051) **E** = AgCu braid (100-002A) **F** = NiCu braid (100-003A) **N** = no braid
Jacket Options	**D** = Thin-Wall Heatshrink (VG 95343 part 5 type D) **G** = Monofilament PEEK braid (102-051) **H** = Nomex® Braid (103-013) **J** = LSZH Heatshrink (-30°C to +105°C; VG 95343 part 5 type L) **N** = No Jacket
Backshell 1 Type	**T** = Straight Backshell **R** = 90° Backshell **F** = 45° Backshell **0** = no backshell
Wire Exit Direction	**L** = in direction of long row of D-form **S** = in direction of short row of D-form (for straight or no backshell, **L** is the default)
Hardware Options 1	See Hardware Options Table
Connector 2 Type	**FP** = Plug **FPE** = Plug Environmental **FR** = Receptacle **FRP** = Rear Panel Mount Receptacle
Backshell 2 Type*	**T** = Straight Backshell **R** = 90° Backshell **F** = 45° Backshell **0** = no backshell
Wire Exit Direction*	**L** = in direction of long row of D-form **S** = in direction of short row of D-form
Hardware Options 2*	See Hardware Options Table
Shell Material / Finish	**-2** = Aluminum / Electroless Nickel **-3** = Stainless Steel / Passivated **-5** = Aluminum / Gold **-6** = Aluminum/Alchromate **-7** = Aluminum / Nickel-PTFE **-8** = Aluminum / Zinc-Nickel, Black
Overall Length	mm (metric)
Gasket Material for FPE and FRP*	**-1** = Fluorosilicone **-2** = Passivated silver-plated aluminum-filled fluorosilicone **-3** = Nickel-plated aluminum-filled fluorosilicone

* - Omit if not used

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Coax and combo coax single-ended flying lead pigtail assemblies
Shielded and unshielded • plug or receptacle

Flying lead Coax cable assemblies provide a flexible solution for easy on-site installation. Assemblies are supplied with GMMD plug or receptacle on one end in a choice of any Coax or combo contact arrangement. Environmental seal options are available for plug connectors. 50Ω and 75Ω Coax cable may be ordered in flexible or semi-rigid configurations. Signal cable available in 24 – 30 AWG. EMI shielded with five optional braid materials, including Glenair Signature weight-saving composite microfilament AmberStrand or microfilament stainless steel ArmorLite. Outer jacket options available for environmental and abrasion protection. Integral backshell, hardware, and wire exit direction all fully customizable. Consult factory for space-flight specific applications.

HOW TO ORDER

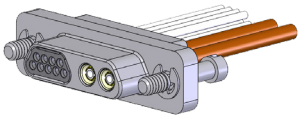
Sample Part Number	GMMD	-FPE	2C9	-A	M	A	N	R	L	5	0	2	-800

Series	**GMMD** = Glenair Modular High-Speed Micro-D
Connector 1 Type	**FP** = Plug **FPE** = Plug Environmental **FR** = Flying Lead Receptacle **FRP** = Rear Panel Mount Flying Lead Receptacle
Contact Arrangement	See Table. Consult factory for additional arrangements.
Coax Cable	**-C** = 50Ω RG178 **-V** = 75Ω RG179 **-D** = 50Ω 047 Semi-Rigid **-W** = 75Ω Semi-Rigid **-E** = 50Ω 047 Flexible
Signal Cables*	**L** = 24AWG M22759/33 wire **N** = 28AWG M22759/33 wire **M** = 26AWG M22759/33 wire **O** = 30AWG M22759/33 wire
Shield Options	**A** = SnCu braid (100-001A) **B** = 100% AmberStrand (103-026) **C** = 100% ArmorLite (103-051) **E** = AgCu braid (100-002A) **F** = NiCu braid (100-003A) **N** = no braid
Jacket Options	**D** = Thin-Wall Heatshrink (VG 95343 part 5 type D) **G** = Monofilament PEEK braid (102-051) **H** = Nomex® Braid (103-013) **J** = LSZH Heatshrink (-30°C to +105°C; VG 95343 part 5 type L) **N** = No Jacket
Backshell Type	**T** = Straight Backshell **R** = 90° Backshell **F** = 45° Backshell **0** = no backshell
Wire Exit Direction	**L** = in direction of long row of D-form **S** = in direction of short row of D-form (for straight or no backshell, **L** is the default)
Hardware Options	See Hardware Options Table
[no second connector]	**0**
Shell Material / Finish	**-2** = Aluminum / Electroless Nickel **-3** = Stainless Steel / Passivated **-5** = Aluminum / Gold **-6** = Aluminum/Alchromate **-7** = Aluminum / Nickel-PTFE **-8** = Aluminum / Zinc-Nickel, Black
Overall Length	mm (metric)
Gasket Material for FPE and FRP*	**-1** = Fluorosilicone **-2** = Passivated silver-plated aluminum-filled fluorosilicone **-3** = Nickel-plated aluminum-filled fluorosilicone

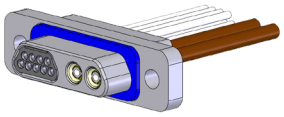
* - Omit if not used

Coax and combo coax jumpers and pigtails
Selection guide ▪ plug backshell options ▪ hardware

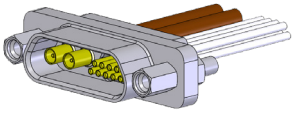
COAX AND COMBO COAX CABLE ASSEMBLY CONNECTOR SELECTION GUIDE



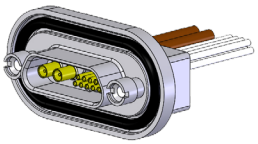
GMMD-FP
Cable Plug



GMMD-FPE
Cable Plug, Environmental

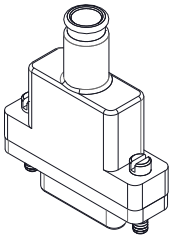


GMMD-FR
Cable Receptacle

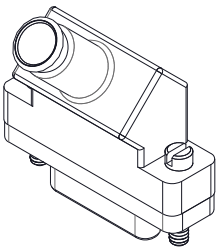


GMMD-FRP
Rear Panel Mount Cable Receptacle

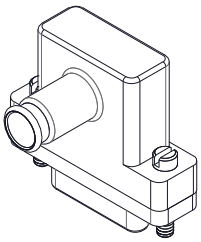
PLUG BACKSHELL OPTIONS



GMMD-*-T**
Top Entry

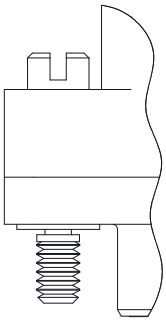


GMMD-*-F**
45° Entry

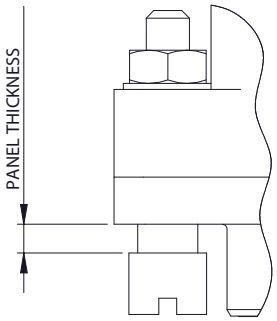


GMMD-*-R**
90° Side Entry

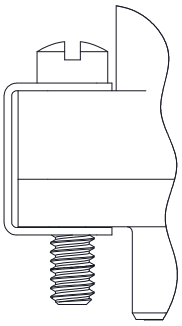
HARDWARE OPTIONS (BACKSHELLS SHOWN FOR REFERENCE ONLY)



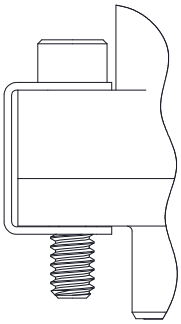
1 - Circlip-Retained Jackscrew



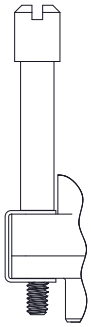
Rear Panel Mount Jackpost Nut
(specify letter for panel thickness)
T=2.4 **U**=2.0 **V**=1.6 **W**=1.2 **X**=0.8 **Y**=0.6



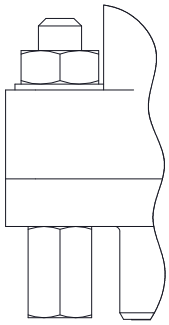
3 - Clip-Retained Fillister Head Jackscrew



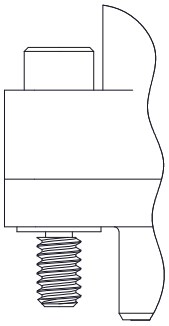
4 - Clip-Retained Socket Head Jackscrew



5 - Clip-Retained Extended Jackscrew



S - Hexagonal Jackpost, Nut and Spring Washer



7 - Circlip-retained socket head jackscrew

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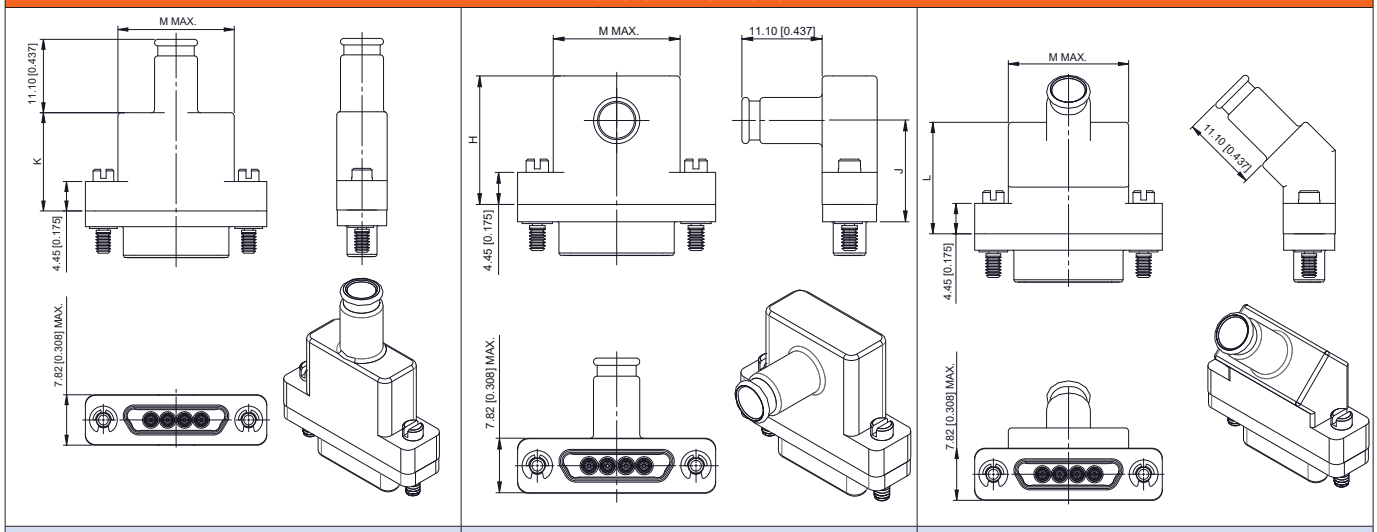
Coax and combo coax jumpers and pigtails
Backshell dimensional details

BACKSHELL OPTIONS

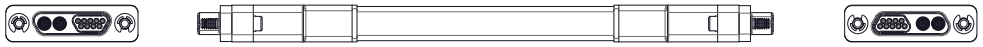


Type T - Straight | **Type R** - Right Angle | **Type F** -45° Angle

PLUG AND BACKSHELL DIMENSIONS					
Shell size	H (mm)	J (mm)	K (mm)	L (mm)	M (mm)
9	16.20	11.10	8.90	15.01	10.16
15	17.10	11.20	11.95	16.01	13.97
21	18.00	11.70	15.00	16.76	17.78
25	19.00	12.30	16.50	16.81	20.32
31	19.20	12.10	18.00	16.84	27.94
37	19.70	12.10	19.00	17.24	36.83
51-2	21.80	13.90	19.80	17.24	47.18
67	21.80	13.90	19.80	18.86	57.34

Coax and combo coax jumpers and pigtails
Cable configurations

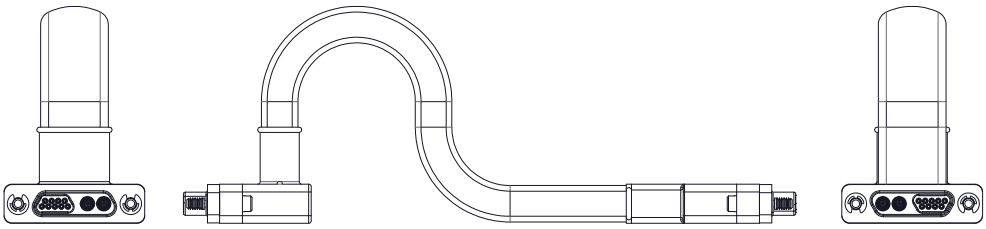
Straight-to-Straight



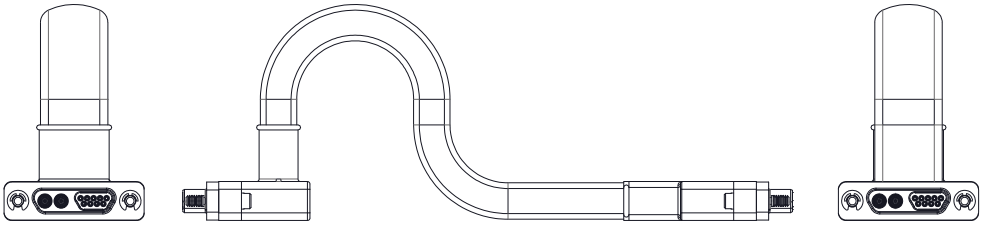
TL-TS

TL-TL

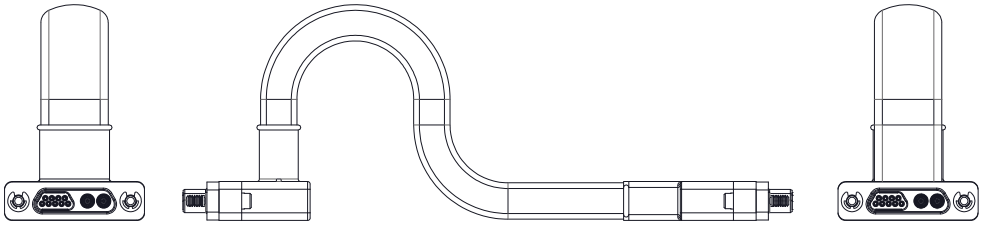
Right Angle-to-Straight



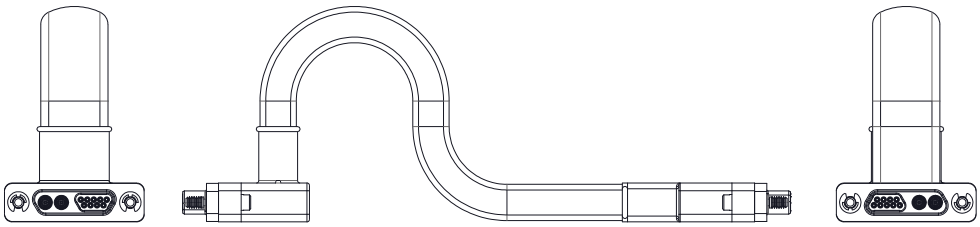
RS-TL



RL-TL



RS-TS



RL-TS

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Coax and combo coax jumpers and pigtails
Cable configurations

Right Angle-to-Right Angle

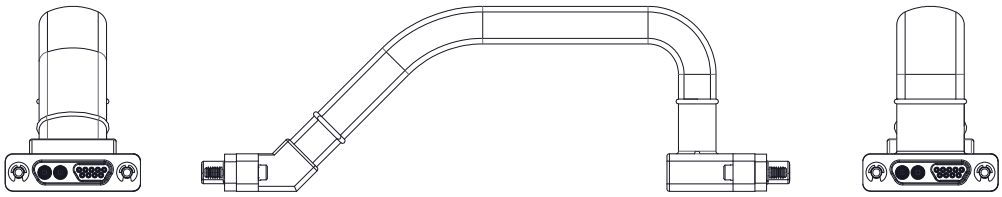
RL-RL

RL-RS

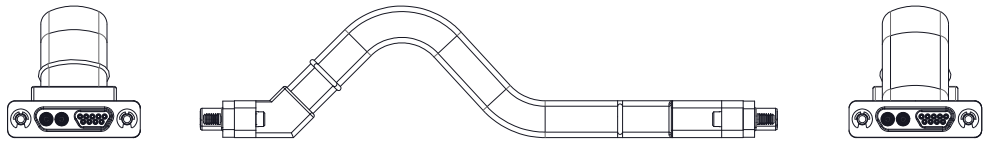
RS-RS

45°-to-Right Angle and Straight

FL-FS



FL-RL



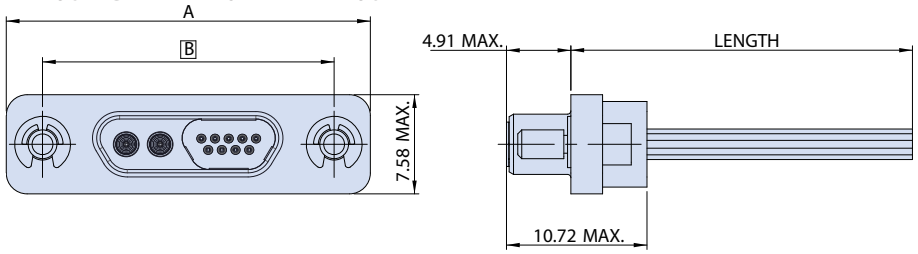
FL-TL

Coax and combo coax jumpers and pigtails
Plug-to-plug • plug-to-receptacle • receptacle-to-receptacle

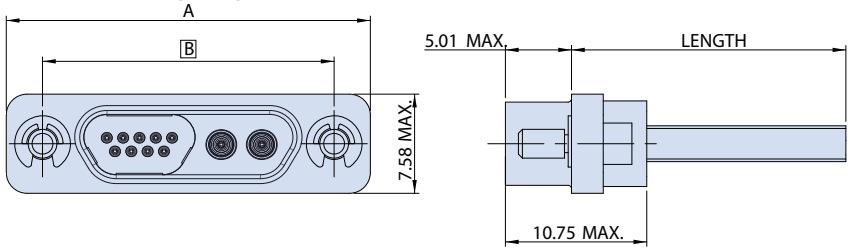
GMMD FLYING LEAD CABLE ASSEMBLY CONNECTOR DIMENSIONS

Shell size	A (mm)	B (mm)
9	19.84	14.35
15	23.65	18.16
21	27.46	21.97
25	30.00	24.51
31	33.81	28.32
37	37.62	32.13
51-2	46.51	41.02
67	56.67	51.18

FP PLUG AND FPE ENVIRONMENTAL PLUG

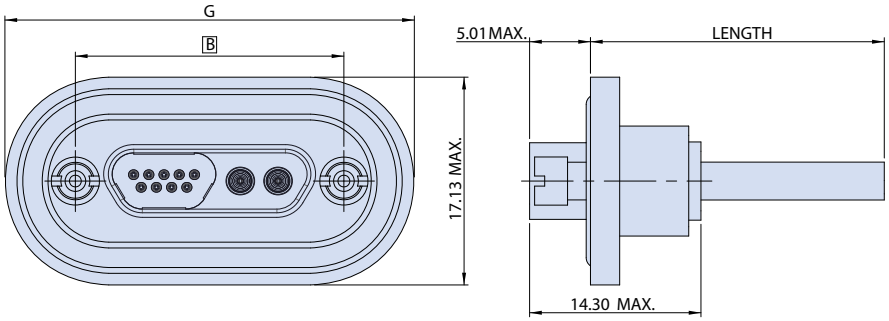


FR RECEPTACLE



Shell size	B (mm)	G (mm)
9	14.35	25.88
15	18.16	29.69
21	21.97	33.50
25	24.51	36.04
31	28.32	39.85
37	32.13	43.66
51-2	41.02	52.55
67	51.18	62.71

FRP REAR PANEL MOUNT RECEPTACLE



GMMD COAX AND COMBO COAX CONTACT ARRANGEMENTS (additional arrangements are available, consult factory)

Contact Arrangement	2C	4C	6C
Shell Size	9	21	25
No. / type of contacts	2 X 50Ω Coax	4X 50Ω Coax	6X 50Ω Coax

Contact Arrangement	8C	16C
Shell Size	31	67
No. / type of contacts	8 X 50Ω Coax	16X 50Ω Coax

Contact Arrangement	1C9	2C9	1V9	2V9	4V
Shell Size	15	21	21	31	21
No. / type of contacts	1 X 50Ω Coax 9 X #24	2X 50Ω Coax, 9 X #24	1 X 75Ω Coax, 9 X #24	2 X 75Ω Coax, 9 X #24	4 X 75Ω Coax

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GMMD Plug-to-Coax contact jumper assembly for inside-the-box coax contact connectivity

GMMD Plug-to-Coax contact jumpers provide a turnkey solution for inside-the-box coax contact connectivity. Sixteen contact arrangements in eight shell sizes are offered for Size #8 BMB, Size #12 SMPM, or Size #16 SMPS Coax contacts, with three cable type options.

HOW TO ORDER

Sample Part Number	GMMD	-FPCC	2C	-E	-SMPM	-S	-2	-150

Series	**GMMD** = Glenair Modular High-Speed Micro-D
GMMD Connector	**-FPCC** = Plug
Contact Arrangement	See Table.
Coax Cable Type (see Compatibility table)	**-D** = 962-014-047 Semi-Rigid 50Ω Coax **-E** = 047 Flexible 50Ω Coax
Coax Contact Type (see Compatibility table)	**-BMB** = #8 Pin **-SMPM** = #12 Pin **-SMPS** = #16 Pin
Coax Contact Orientation	**S** = Straight
Shell Material / Finish	**2** = Aluminum / Electroless Nickel
Flying Lead Length	mm (metric). e.g. **-150** = 150mm (see length tolerance table)

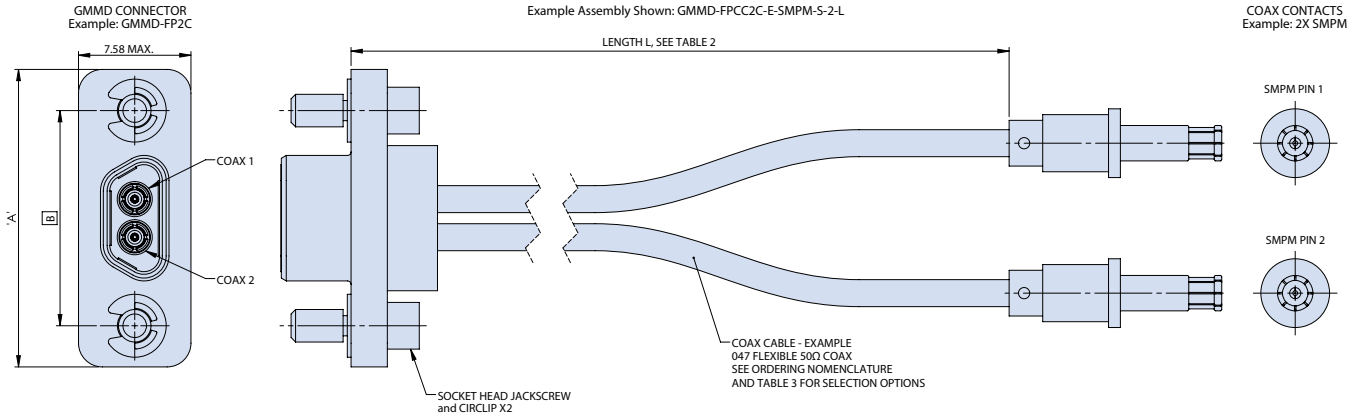
FLYING LEAD LENGTH TOLERANCE PER IPC 620

<0.3m [<1.0 ft]	+25mm -0mm [+0.98" -0"]
>0.3m - 1.5m [>1.0 ft - 4.9 ft]	+50mm -0mm [+1.96" -0"]
>1.5m - 3.0m [>4.9 ft - 9.8 ft]	+100mm -0mm [+3.94" -0"]
>3.0m - 7.5m [>9.8 ft - 24.6 ft]	+150mm -0mm [+5.91" -0"]
>7.5m [>24.6ft]	+5% - 0%

COAX CABLE / CONTACT COMPATIBILITY

Coax Contact Type	Coax Cable Type		
	-D = 962-014-047 Semi-Rigid 50Ω Coax	**-E** = 047 Flexible 50Ω Coax	**-F** = 962-010-405 Flexible 50Ω Coax
-BMB #8 Pin	852-071-06	852-071-06	852-071-05
-SMPM #12 Pin	852-099-03	852-099-03	852-099-01
-SMPS #16 Pin	852-133-01	852-133-01	N/A

CONTACT ARRANGEMENTS / DIMENSIONS

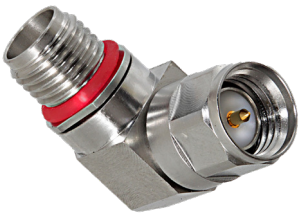


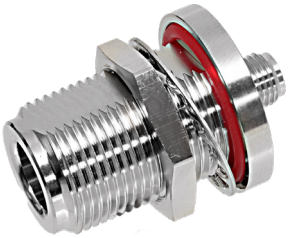
COAX COUNT	SHELL SIZE	A MAX.	B
1C,2C	9	19.89 [0.782]	14.35 [0.565]
3C	15	23.70 [0.932]	18.16 [0.715]
4C,5C	21	27.51 [1.082]	21.97 [0.865]
6C	25	30.05 [1.182]	24.51 [0.965]
7C	31	33.86 [1.332]	28.32 [1.115]
8C,9C	37	37.67 [1.482]	32.13 [1.265]
10C,11C,12C	51-2	46.56 [1.832]	41.02 [1.615]
13C,14C,15C,16C	67	56.72 [2.232]	46.48 [1.830

Selection Guide: RF Connector Adapters

Series GRF05 RF Adapters

Precision-grade ***Series GRF05 RF Adapters*** are used to connect between series or within a series. Frequently used as connector savers, male-female adapters protect RF jacks on instruments from excessive wear-and-tear. 45° and 90° angled SMA male-female adapters provide extra clearance in cramped quarters.





TNC-SMA Adapters
Page 87

TNC Male-SMA Female
GRF05-0015

TNC Female-SMA Female
GRF05-0016

TNC Female-SMA Female, Square Flange
GRF05-0017

TNC Female-SMA Female, Jam Nut
GRF05-0018

N-SMA Adapters
Page 88

N Male-SMA Female
GRF05-0019

N Female-SMA Female
GRF05-0020

N Female-SMA Female, Jam Nut
GRF05-0021

N Female-SMA Female, Square Flange
GRF05-0022

SMA-SMA Adapters
Page 89, 90

SMA Male-SMA Female
GRF05-0023

SMA Female-SMA Female
GRF05-0024

SMA Female-SMA Female, Jam Nut
GRF05-0025

SMA Male-SMA Female, 45° Angle
GRF05-0032

SMA Male-SMA Female, 90° Angle
GRF05-0031

2.92-SMA Adapters
Page 91

2.92 Male-SMA Female
GRF05-0026

2.92 Female-SMA Female
GRF05-0027

SMP-SMA Adapters
Page 92

SMP Male-SMA Female Full Detent
GRF05-0028

SMP Male-SMA Female Smooth Bore
GRF05-0029

SMP Female-SMA Female
GRF05-0030

BNC-SMA Adapters
Page 92

BNC Male-SMA Female
GRF05-0033

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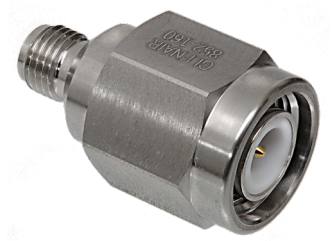
TNC–SMA Adapters

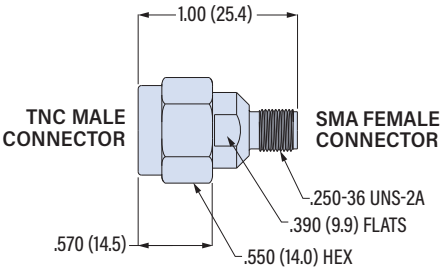
GRF05-0015 TNC MALE TO SMA FEMALE ADAPTER



TNC Male / SMA Female. Connect TNC jack to SMA plug with GRF05-0015 adapter. Stainless steel body with gold-plated BeCu contact, PTFE insulator, nickel-plated phos bronze lock ring, and silicone gasket.

- **Operating temperature:** -45 °C to +125 °C
- **Frequency range:** DC – 18 GHz
- **VSWR:** 1.20 maximum
- **Impedance:** 50 ohm

PART NUMBER
GRF05-0015

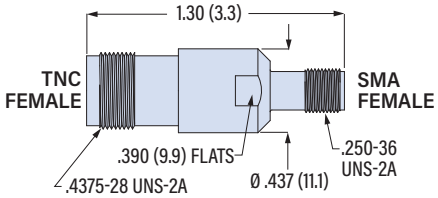


GRF05-0016 TNC FEMALE TO SMA FEMALE ADAPTER

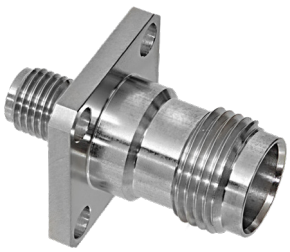
TNC Female / SMA Female. Connect TNC plug to SMA plug with GRF05-0016 adapter. Stainless steel body, gold-plated BeCu contact, PTFE insulator.

- **Operating temperature:** -45 °C to +125 °C
- **Frequency range:** DC – 18 GHz
- **VSWR:** 1.20 maximum
- **Impedance:** 50 ohm

PART NUMBER
GRF05-0016



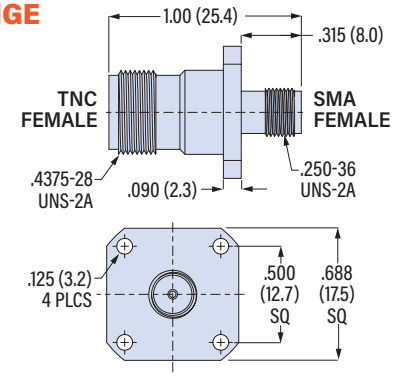
GRF05-0017 TNC FEMALE TO SMA FEMALE ADAPTER, SQUARE FLANGE



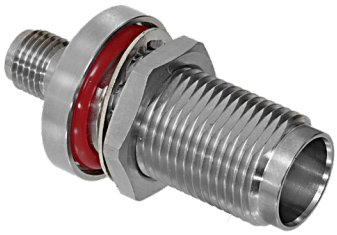
TNC Female / SMA Female. 4 Hole Flange. Connect TNC plug to SMA plug with GRF05-0017 adapter. Stainless steel body, gold-plated BeCu contact, PTFE insulator.

- **Operating temperature:** -45 °C to +125 °C
- **Frequency range:** DC – 18 GHz
- **VSWR:** 1.20 maximum
- **Impedance:** 50 ohm

PART NUMBER
GRF05-0017



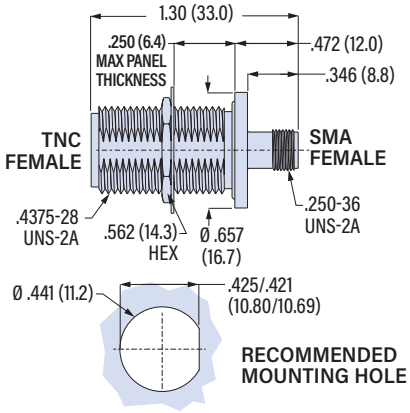
GRF05-0018 TNC FEMALE TO SMA FEMALE ADAPTER, JAM NUT



TNC Female / SMA Female. Jam nut panel mounting. Connect TNC plug to SMA plug with GRF05-0018 adapter. Stainless steel body and hex nut. Gold-plated BeCu contact. Nickel-plated brass lock washer, PTFE insulator, silicone O-ring.

- **Operating temperature:** -45 °C to +125 °C
- **Frequency range:** DC – 18 GHz
- **VSWR:** 1.20 maximum
- **Impedance:** 50 ohm

PART NUMBER
GRF05-0018



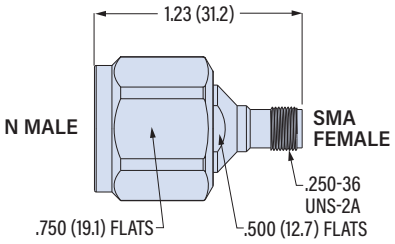
N–SMA Adapters

GRF05-0019 N MALE TO SMA FEMALE ADAPTER

N Male / SMA Female. Connect N jack to SMA plug with GRF05-0019 adapter. Stainless steel body with gold-plated BeCu contact, PTFE insulator, nickel-plated phos bronze lock ring, and silicone gasket.

- **Operating temperature:** -55 °C to +165 °C
- **Frequency range:** DC – 18 GHz
- **VSWR:** 1.20 maximum
- **Impedance:** 50 ohm

PART NUMBER
GRF05-0019

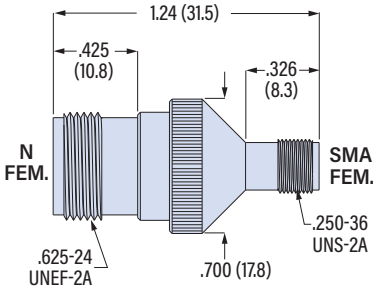


GRF05-0020 N FEMALE TO SMA FEMALE ADAPTER

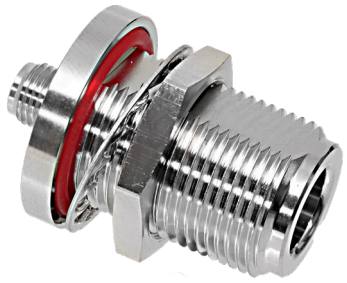
N Female / SMA Female. Connect N plug to SMA plug with GRF05-0020 adapter. Stainless steel body, gold-plated BeCu contact, PTFE insulator.

- **Frequency range:** DC – 18 GHz
- **VSWR:** 1.20 maximum
- **Impedance:** 50 ohm

PART NUMBER
GRF05-0020



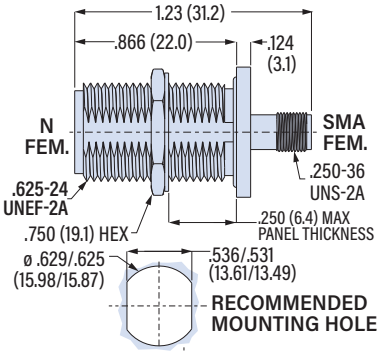
GRF05-0021 N FEMALE TO SMA FEMALE ADAPTER, JAM NUT



N Female / SMA Female. Connect N plug to SMA plug with GRF05-0021 panel mount adapter. Nickel-plated brass body and hex nut. Gold-plated BeCu contact. Stainless steel lock washer, PTFE insulator, silicone O-ring.

- **Operating temperature:** -45 °C to +125 °C
- **Frequency range:** DC – 18 GHz
- **VSWR:** 1.20 maximum
- **Impedance:** 50 ohm

PART NUMBER
GRF05-0021

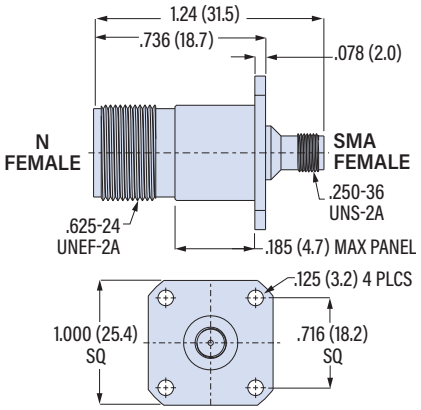


GRF05-0022 N FEMALE TO SMA FEMALE ADAPTER, SQUARE FLANGE

N Female / SMA Female. Connect N plug to SMA plug with GRF05-0022 panel mount adapter. Stainless steel body, gold-plated BeCu contact, PTFE insulator.

- **Operating temperature:** -45 °C to +125 °C
- **Frequency range:** DC – 18 GHz
- **VSWR:** 1.20 maximum
- **Impedance:** 50 ohm

PART NUMBER
GRF05-0022



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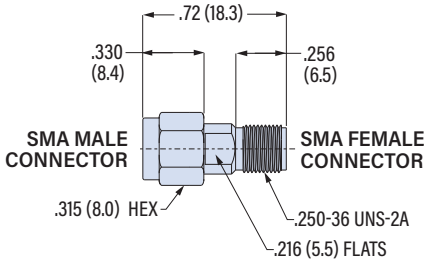
SMA–SMA Adapters

GRF05-0023 SMA MALE TO SMA FEMALE ADAPTER

SMA Male / SMA Female. GRF05-0023 connector saver adapter protects equipment from wear and tear. Stainless steel body and coupling nut, gold-plated BeCu contact, PTFE insulator, stainless steel lock ring and silicone gasket.

- **Frequency range:** DC – 18 GHz
- **VSWR:** 1.15 maximum
- **Impedance:** 50 ohm

PART NUMBER
GRF05-0023

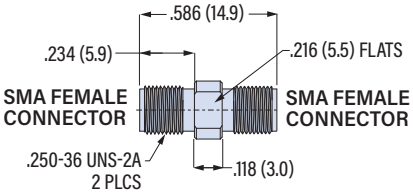


GRF05-0024 SMA FEMALE TO SMA FEMALE ADAPTER

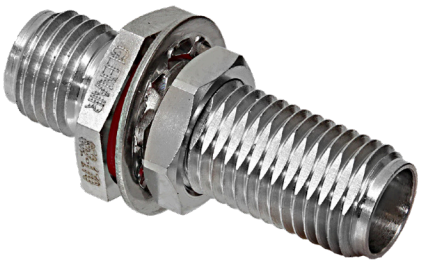
SMA Female / SMA Female. GRF05-0024 gender changer adapter connects two SMA plugs. Stainless steel body, gold-plated BeCu contact, PTFE insulator.

- **Frequency range:** DC – 18 GHz
- **VSWR:** 1.15 maximum
- **Impedance:** 50 ohm

PART NUMBER
GRF05-0024



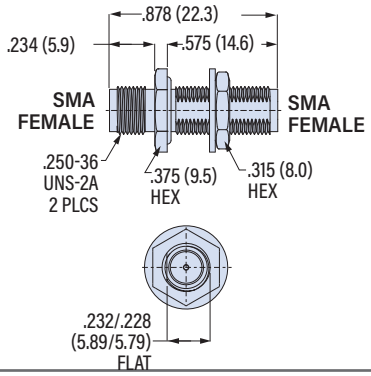
GRF05-0025 SMA FEMALE TO SMA FEMALE ADAPTER, PANEL MOUNT



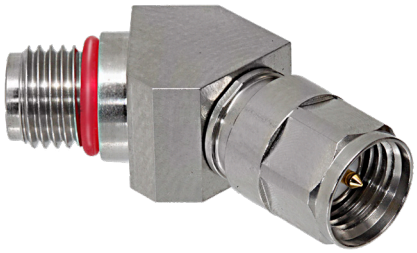
SMA Female / SMA Female. Jam nut panel mount. GRF05-0025 adapter connects two SMA plugs. Stainless steel body, hex nut and lock washer. Gold-plated BeCu contact, PTFE insulator, silicone O-ring.

- **Frequency range:** DC – 18 GHz
- **VSWR:** 1.15 maximum
- **Impedance:** 50 ohm

PART NUMBER
GRF05-0025



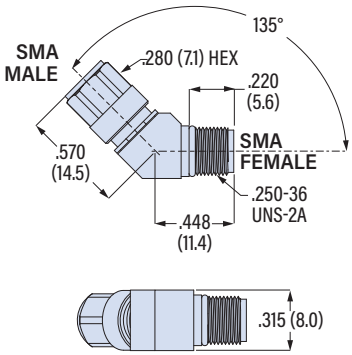
GRF05-0032 SMA MALE TO SMA FEMALE, 45° ANGLE



SMA Male / SMA Female. 45°. GRF05-0032 adapter has low profile coupling nut for increased clearance. Gold-plated BeCu contact. Passivated stainless steel body and coupling nut, PTFE insulator, silicone O-ring and gasket, BeCu lock ring.

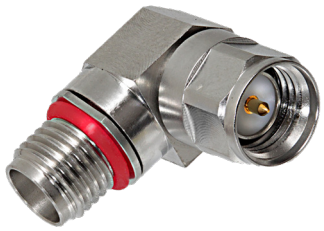
- **Operating temperature:** -45 °C to +125 °C
- **Frequency range:** DC – 18 GHz
- **VSWR:** 1.30 maximum
- **Impedance:** 50 ohm

PART NUMBER
GRF05-0032



SMA–SMA Adapters

GRF05-0031 SMA MALE TO SMA FEMALE ADAPTER, RIGHT ANGLE



SMA Male / SMA Female. GRF05-0031 90° adapter connects female SMA to male SMA. Available in six lengths. Stainless steel body and coupling nut. Gold-plated BeCu contact, PTFE insulator, BeCu lock ring. Silicone gasket and O-ring.

- **Operating temperature:** -45 °C to +125 °C
- **Frequency range:** DC – 18 GHz
- **VSWR:** 1.30 maximum
- **Impedance:** 50 ohm

PART NUMBER

Part Number	Fig.	A In.	A mm.	B In.	B mm.
GRF05-0031-01	Fig. 1	.626	15.9	.470	11.9
GRF05-0031-02	Fig. 2	.770	19.6	.614	15.6
GRF05-0031-03	Fig. 2	.990	25.1	.835	21.2
GRF05-0031-04	Fig. 2	1.210	30.7	1.055	26.8
GRF05-0031-05	Fig. 2	1.330	33.8	1.175	29.8
GRF05-0031-06	Fig. 2	1.670	42.4	1.514	38.5

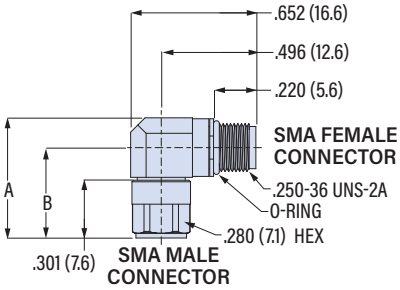


Figure 1
GRF05-0031-01

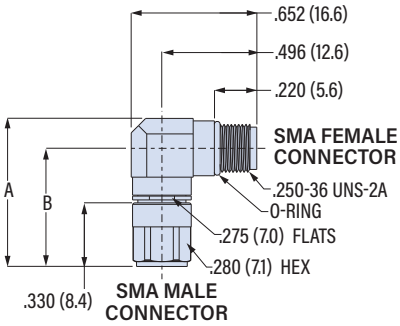
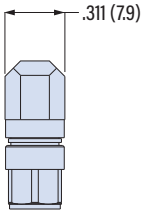


Figure 2
GRF05-0031-02 thru -06



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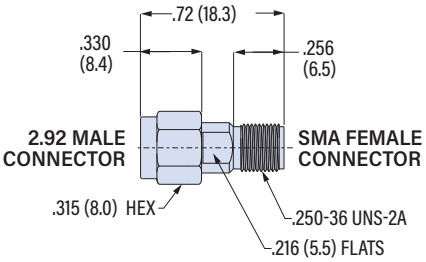
2.92–SMA Adapters

GRF05-0026 2.92 MALE TO SMA FEMALE ADAPTER

2.92 Male / SMA Female. GRF05-0026 adapter connects 2.92mm female to SMA male. Stainless steel body, coupling nut and lock ring. Gold-plated BeCu contact, PTFE insulator, silicone gasket.

- **Frequency range:** DC – 18 GHz
- **VSWR:** 1.15 maximum
- **Impedance:** 50 ohm

PART NUMBER
GRF05-0026

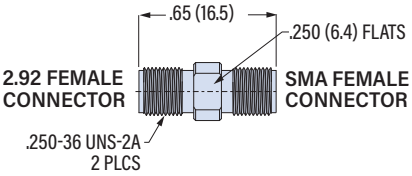


GRF05-0027 2.92 FEMALE TO SMA FEMALE ADAPTER

2.92 Female / SMA Female. GRF05-0027 adapter connects 2.92mm male to SMA male. Stainless steel body, gold-plated BeCu contact, PTFE insulator.

- **Frequency range:** DC – 18 GHz
- **VSWR:** 1.15 maximum
- **Impedance:** 50 ohm

PART NUMBER
GRF05-0027



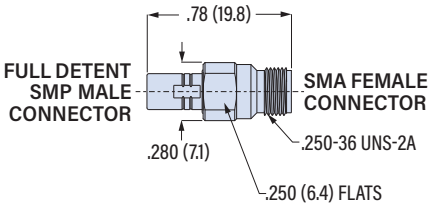
SMP–SMA Adapters BNC–SMA Adapters

GRF05-0028 SMP FULL-DETENT MALE TO SMA FEMALE ADAPTER

SMP Male / SMA Female. GRF05-0028 adapter has full detent SMP male connector interface. Stainless steel body, gold-plated BeCu contact, PTFE insulator.

- **Frequency range:** DC – 26.5 GHz
- **VSWR:** 1.20 maximum
- **Impedance:** 50 ohm

PART NUMBER
GRF05-0028

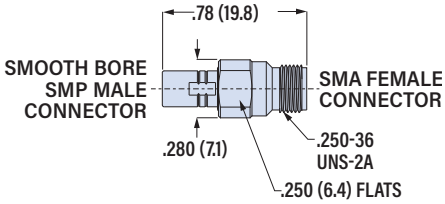


GRF05-0029 SMP SMOOTH-BORE MALE TO SMA FEMALE ADAPTER

SMP Male / SMA Female. GRF05-0029 adapter has smooth bore SMP male connector interface. Stainless steel body, gold-plated BeCu contact, PTFE insulator.

- **Frequency range:** DC – 26.5 GHz
- **VSWR:** 1.20 maximum
- **Impedance:** 50 ohm

PART NUMBER
GRF05-0029

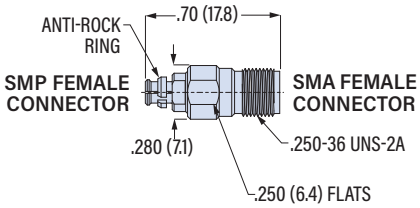


GRF05-0030 SMP FEMALE TO SMA FEMALE ADAPTER

SMP female / SMA Female. GRF05-0030 adapter connects male SMP to male SMA connector. Stainless steel body, gold-plated BeCu contact, PTFE insulator. Gold-plated BeCu anti-rock ring.

- **Frequency range:** DC – 26.5 GHz
- **VSWR:** 1.20 maximum
- **Impedance:** 50 ohm

PART NUMBER
GRF05-0030

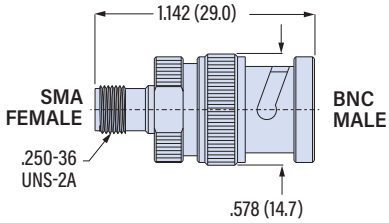


GRF05-0033 BNC MALE TO SMA FEMALE ADAPTER

BNC Male / SMA Female. GRF05-0033 adapter connects female BNC to SMA male connector. Stainless steel SMA body, nickel-plated brass BNC body and coupling nut. Gold-plated BeCu contact, PTFE insulator, nickel-plated brass wave washer. Silicone gasket.

- **Operating temperature:** -40 °C to +120 °C
- **Frequency range:** DC – 4 GHz
- **VSWR:** 1.20 maximum
- **Impedance:** 50 ohm

PART NUMBER
GRF05-0033



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Selection Guide: RF Connector Accessories

RF Connector Accessories

RF connector accessories include ***Protective Covers*** and ***Dummy Receptacles*** for standard RF coax connectors.

Aluminum or stainless steel ***Covers*** have sealing gaskets and a variety of attachment styles.

Panel-mounted ***Dummy Receptacles*** provide stowage and protection for RF cables.

Dummy Receptacles
for RF Connectors

HN
650-072
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SMA
650-073
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N
650-074
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TNC
650-075
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BNC
650-076
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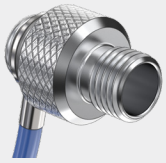
Protective Covers
for RF Connectors

SMA COVERS



Plug
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Recep
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TYPE N COVERS

Plug
660-105
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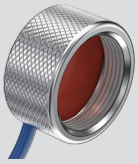

Recep
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TNC COVERS

Plug
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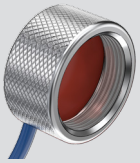

Recep
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BNC COVERS

Plug
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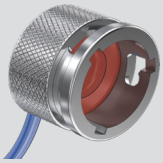

Recep
660-110
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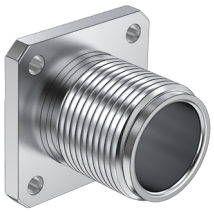
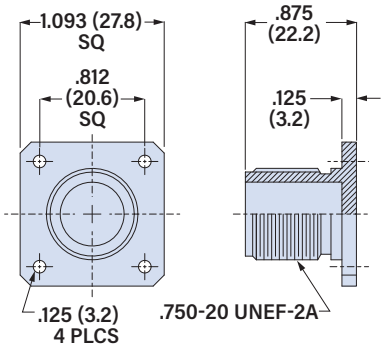
650-072 650-074 650-073

650-072 DUMMY RECEPTACLE FOR TYPE HN COAX RF PLUGS

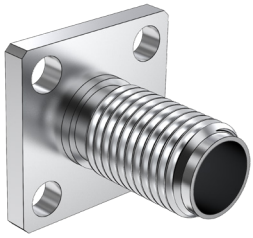


Use dummy stowage receptacle to secure and protect unused plugs. 650-072 receptacle accommodates Type HN coaxial plug connectors. Aluminum, stainless steel or brass.

PART NUMBER		
Aluminum 6061-T6	Electroless Nickel	650-072M
	Black Zinc-Nickel	650-072ZR
	Nickel-PTFE	650-072MT
	O. D. Cadmium	650-072NF
303 SST	Passivate	650-072Z1
	Electroless Nickel	650-072ZM
Brass	Electroless Nickel	650-072BM
	White Bronze	650-072WB

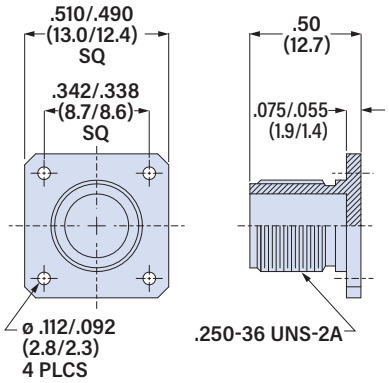


650-073 DUMMY RECEPTACLE FOR SMA COAX RF PLUGS

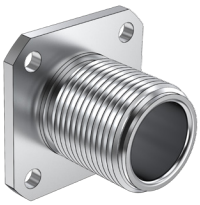


Use dummy stowage receptacle to secure and protect unused plugs. 650-073 receptacle accommodates M39012 Series SMA connectors. Aluminum, stainless steel or brass.

PART NUMBER		
Aluminum 6061-T6	Electroless Nickel	650-073M
	Black Zinc-Nickel	650-073ZR
	Nickel-PTFE	650-073MT
	O. D. Cadmium	650-073NF
303 SST	Passivate	650-073Z1
	Electroless Nickel	650-073ZM
Brass	Electroless Nickel	650-073BM
	White Bronze	650-073WB

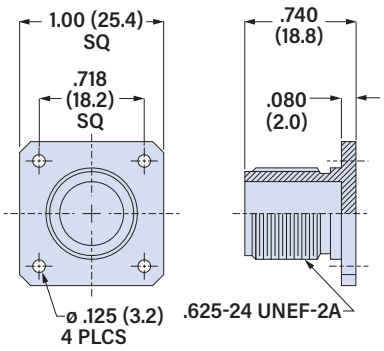


650-074 DUMMY RECEPTACLE FOR TYPE N COAX RF PLUGS



Use dummy stowage receptacle to secure and protect unused plugs. 650-074 receptacle accommodates Type N RF connectors. Aluminum, stainless steel or brass.

PART NUMBER		
Aluminum 6061-T6	Electroless Nickel	650-074M
	Black Zinc-Nickel	650-074ZR
	Nickel-PTFE	650-074MT
	O. D. Cadmium	650-074NF
303 SST	Passivate	650-074Z1
	Electroless Nickel	650-074ZM
Brass	Electroless Nickel	650-074BM
	White Bronze	650-074WB



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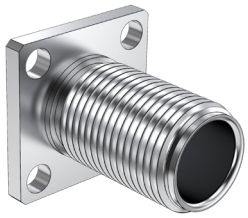
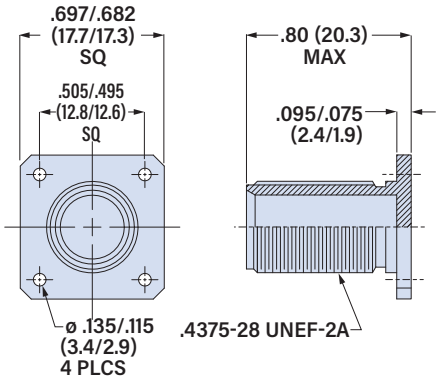
650-075
650-076

650-075 DUMMY RECEPTACLE FOR TNC COAX RF PLUGS

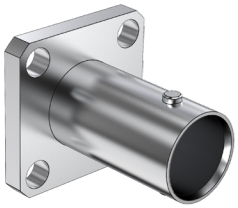


Use dummy stowage receptacle to secure and protect unused plugs. 650-075 receptacle accommodates M39012 Series TNC RF connectors. Aluminum, stainless steel or brass.

PART NUMBER		
Aluminum 6061-T6	Electroless Nickel	650-075M
	Black Zinc-Nickel	650-075ZR
	Nickel-PTFE	650-075MT
	O. D. Cadmium	650-075NF
303 SST	Passivate	650-075Z1
	Electroless Nickel	650-075ZM
Brass	Electroless Nickel	650-075BM
	White Bronze	650-075WB

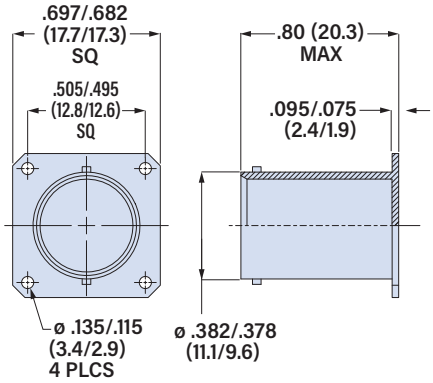


650-076 DUMMY RECEPTACLE FOR BNC COAX RF PLUGS



Use dummy stowage receptacle to secure and protect unused plugs. 650-076 receptacle accommodates M39012 Series BNC RF connectors. Aluminum, stainless steel or brass.

PART NUMBER		
Aluminum 6061-T6	Electroless Nickel	650-076M
	Black Zinc-Nickel	650-076ZR
	Nickel-PTFE	650-076MT
	O. D. Cadmium	650-076NF
303 SST	Passivate	650-076Z1
	Electroless Nickel	650-076ZM
Brass	Electroless Nickel	650-076BM
	White Bronze	650-076WB



660-103
Protective Cover for SMA Plug

SMA Plug Cover

660-103 protective cover fits SMA plug connectors. Aluminum or stainless steel, with stainless steel fittings. Silicone gasket.

PART NUMBER

660-103 M G 06 -4

Base P/N	660-103
Material/Finish	*See Table 1*
Attachment Type	**N** No Attachment *See Table 2 for Attachment Types*
Attachment Ring	*Omit for Attachment Type N* **00** No Ring *See Table 3 for Attachment Ring Codes*
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel	
M	Electroless Nickel	Z1	Passivate
NF	Olive Drab Cadmium	ZM	Nickel-plated
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		

TABLE 2 ATTACHMENT TYPE

D
SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F
Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G
Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H
Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

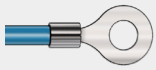
S
Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

T
SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U
SST Wire Rope, Black Polyurethane
Black polyurethane coating, very flexible, excellent abrasion resistance, .080" (2mm) diameter, -55 to +125 °C

TABLE 3 ATTACHMENT RING

EYELET



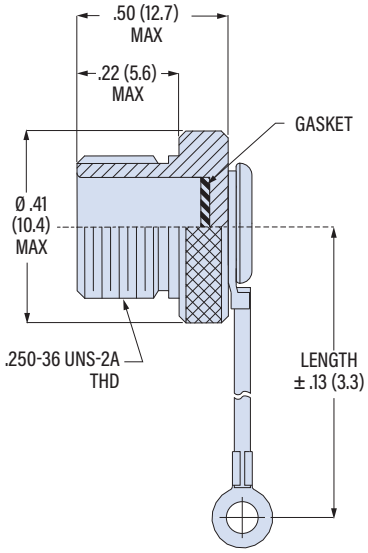
Code	Eyelet I.D.
06	.125 (3.2)
01	.140 (3.6)
02	.182 (4.6)
04	.197 (5.0)

SOLID RING

Code	Ring I.D.
095	.312 (7.9)
100	.391 (9.9)
101	.516 (13.1)
102	.583 (14.8
103	.641 (16.3)
104	.708 (18.0)
105	.766 (19.5)
106	.896 (22.2)
107	1.016 (25.8

SPLIT RING

Code	Ring I.D.
52	.485 (12.3)
54	.640 (16.3)
56	.750 (19.1)
58	.890 (22.6)
60	1.015 (25.8)



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660-104
Protective Cover for SMA Receptacle

SMA Receptacle Cover

660-103 protective cover fits SMA plug connectors. Aluminum, stainless steel, or composite. Stainless steel fittings. Silicone gasket.

PART NUMBER

	660-104	Z1	D	101	-5

Base P/N	660-104
Material/Finish	*See Table 1*
Attachment Type	**N** No Attachment *See Table 2 for Attachment Types*
Attachment Ring	*Omit for Attachment Type N* **00** No Ring *See Table 3 for Attachment Ring Codes*
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel	
M	Electroless Nickel	Z1	Passivate
NF	Olive Drab Cadmium	ZM	Nickel-plated
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — SST Wire Rope, Black Polyurethane
Black polyurethane coating, very flexible, excellent abrasion resistance, .080" (2mm) diameter, -55 to +125 °C

TABLE 3 ATTACHMENT RING

EYELET

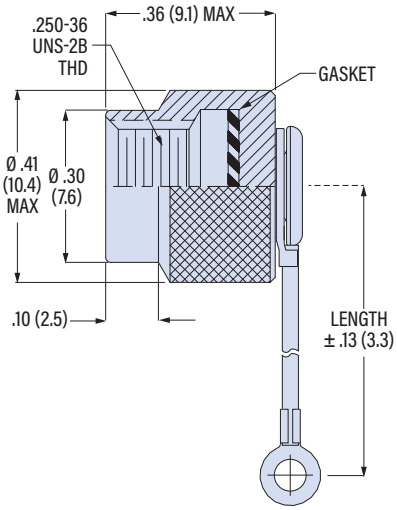
Code	Eyelet I.D.
06	.125 (3.2)
01	.140 (3.6)
02	.182 (4.6)
04	.197 (5.0)

SOLID RING

Code	Ring I.D.
095	.312 (7.9)
100	.391 (9.9)
101	.516 (13.1)
102	.583 (14.8
103	.641 (16.3)
104	.708 (18.0)
105	.766 (19.5)
106	.896 (22.2)
107	1.016 (25.8

SPLIT RING

Code	Ring I.D.
52	.485 (12.3)
54	.640 (16.3)
56	.750 (19.1)
58	.890 (22.6)
60	1.015 (25.8)



660-105
Protective Cover for Type N Plug

N Plug Cover

660-105 protective cover fits type N plug connectors. Aluminum or stainless steel, with stainless steel fittings. Silicone gasket.

PART NUMBER

	660-105	ZR	U	04	-3

Base P/N	660-105
Material/Finish	*See Table 1*
Attachment Type	**N** No Attachment *See Table 2 for Attachment Types*
Attachment Ring	*Omit for Attachment Type N* **00** No Ring *See Table 3 for Attachment Ring Codes*
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel	
M	Electroless Nickel	Z1	Passivate
NF	Olive Drab Cadmium	ZM	Nickel-plated
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		

TABLE 2 ATTACHMENT TYPE

D
SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F
Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G
Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H
Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

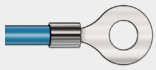
S
Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

T
SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U
SST Wire Rope, Black Polyurethane
Black polyurethane coating, very flexible, excellent abrasion resistance, .080" (2mm) diameter, -55 to +125 °C

TABLE 3 ATTACHMENT RING

EYELET



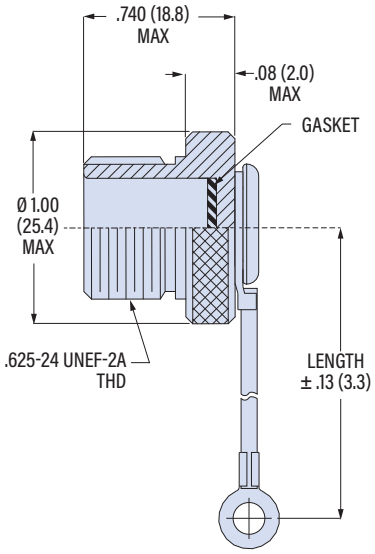
Code	Eyelet I.D.
06	.125 (3.2)
01	.140 (3.6)
02	.182 (4.6)
04	.197 (5.0)

SOLID RING

Code	Ring I.D.
095	.312 (7.9)
100	.391 (9.9)
101	.516 (13.1)
102	.583 (14.8
103	.641 (16.3)
104	.708 (18.0)
105	.766 (19.5)
106	.896 (22.2)
107	1.016 (25.8

SPLIT RING

Code	Ring I.D.
52	.485 (12.3)
54	.640 (16.3)
56	.750 (19.1)
58	.890 (22.6)
60	1.015 (25.8)



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660-106
Protective Cover for Type N Receptacle

N Receptacle Cover

660-106 protective cover fits type N plug connectors. Aluminum or stainless steel, with stainless steel fittings. Silicone gasket.

PART NUMBER

	660-106	M	H	52	-4

Base P/N	**660-106**
Material/Finish	*See Table 1*
Attachment Type	**N** No Attachment *See Table 2 for Attachment Types*
Attachment Ring	*Omit for Attachment Type N* **00** No Ring *See Table 3 for Attachment Ring Codes*
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel	
M	Electroless Nickel	Z1	Passivate
NF	Olive Drab Cadmium	ZM	Nickel-plated
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		

TABLE 2 ATTACHMENT TYPE

D
SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F
Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G
Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H
Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

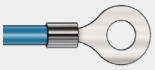
S
Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

T
SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U
SST Wire Rope, Black Polyurethane
Black polyurethane coating, very flexible, excellent abrasion resistance, .080" (2mm) diameter, -55 to +125 °C

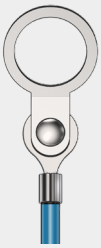
TABLE 3 ATTACHMENT RING

EYELET



Code	Eyelet I.D.
06	.125 (3.2)
01	.140 (3.6)
02	.182 (4.6)
04	.197 (5.0)

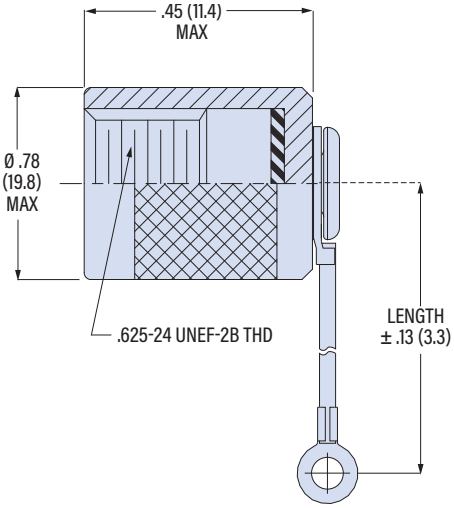
SOLID RING



Code	Ring I.D.
095	.312 (7.9)
100	.391 (9.9)
101	.516 (13.1)
102	.583 (14.8
103	.641 (16.3)
104	.708 (18.0)
105	.766 (19.5)
106	.896 (22.2)
107	1.016 (25.8

SPLIT RING

Code	Ring I.D.
52	.485 (12.3)
54	.640 (16.3)
56	.750 (19.1)
58	.890 (22.6)
60	1.015 (25.8)



660-107
Protective Cover for TNC Plug

TNC Plug Cover

660-107 protective cover fits TNC plug connectors. Aluminum or stainless steel, with stainless steel fittings. Silicone gasket.

PART NUMBER

	660-107	M	H	095	-4

Base P/N	660-107
Material/Finish	*See Table 1*
Attachment Type	**N** No Attachment *See Table 2 for Attachment Types*
Attachment Ring	*Omit for Attachment Type N* **00** No Ring *See Table 3 for Attachment Ring Codes*
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel	
M	Electroless Nickel	Z1	Passivate
NF	Olive Drab Cadmium	ZM	Nickel-plated
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		

TABLE 2 ATTACHMENT TYPE

D
SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F
Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G
Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H
Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

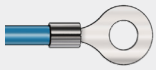
S
Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

T
SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U
SST Wire Rope, Black Polyurethane
Black polyurethane coating, very flexible, excellent abrasion resistance, .080" (2mm) diameter, -55 to +125 °C

TABLE 3 ATTACHMENT RING

EYELET



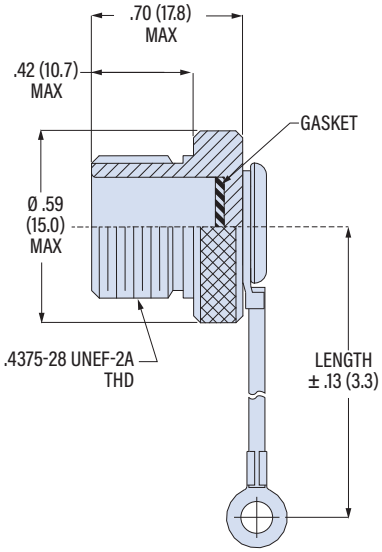
Code	Eyelet I.D.
06	.125 (3.2)
01	.140 (3.6)
02	.182 (4.6)
04	.197 (5.0)

SOLID RING

Code	Ring I.D.
095	.312 (7.9)
100	.391 (9.9)
101	.516 (13.1)
102	.583 (14.8
103	.641 (16.3)
104	.708 (18.0)
105	.766 (19.5)
106	.896 (22.2)
107	1.016 (25.8

SPLIT RING

Code	Ring I.D.
52	.485 (12.3)
54	.640 (16.3)
56	.750 (19.1)
58	.890 (22.6)
60	1.015 (25.8)



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660-108
Protective Cover for TNC Receptacle

TNC Receptacle Cover

660-106 protective cover fits type N plug connectors. Aluminum or stainless steel, with stainless steel fittings. Silicone gasket.

PART NUMBER

	660-108	ZR	U	04	-3

Base P/N	660-108
Material/Finish	*See Table 1*
Attachment Type	**N** No Attachment *See Table 2 for Attachment Types*
Attachment Ring	*Omit for Attachment Type N* **00** No Ring *See Table 3 for Attachment Ring Codes*
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel	
M	Electroless Nickel	Z1	Passivate
NF	Olive Drab Cadmium	ZM	Nickel-plated
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		

TABLE 2 ATTACHMENT TYPE

D
SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F
Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G
Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H
Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

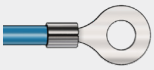
S
Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

T
SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U
SST Wire Rope, Black Polyurethane
Black polyurethane coating, very flexible, excellent abrasion resistance, .080" (2mm) diameter, -55 to +125 °C

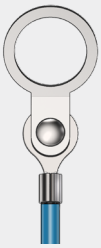
TABLE 3 ATTACHMENT RING

EYELET



Code	Eyelet I.D.
06	.125 (3.2)
01	.140 (3.6)
02	.182 (4.6)
04	.197 (5.0)

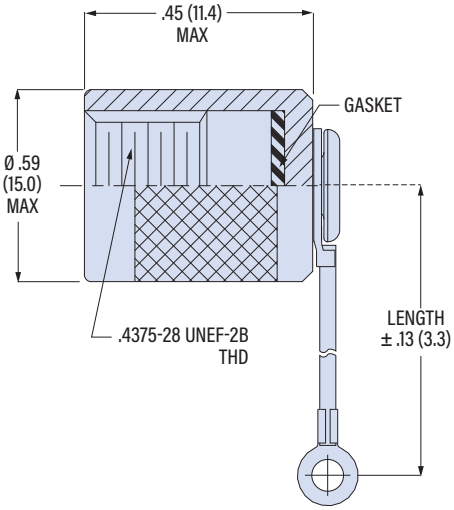
SOLID RING



Code	Ring I.D.
095	.312 (7.9)
100	.391 (9.9)
101	.516 (13.1)
102	.583 (14.8
103	.641 (16.3)
104	.708 (18.0)
105	.766 (19.5)
106	.896 (22.2)
107	1.016 (25.8

SPLIT RING

Code	Ring I.D.
52	.485 (12.3)
54	.640 (16.3)
56	.750 (19.1)
58	.890 (22.6)
60	1.015 (25.8)



660-109
Protective Cover for BNC Plug

BNC Plug Cover

660-109 protective cover fits BNC plug connectors. Aluminum or stainless steel, with stainless steel fittings. Silicone gasket.

PART NUMBER

	660-109	M	H	095	-4

Base P/N	660-109
Material/Finish	*See Table 1*
Attachment Type	**N** No Attachment *See Table 2 for Attachment Types*
Attachment Ring	*Omit for Attachment Type N* **00** No Ring *See Table 3 for Attachment Ring Codes*
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel	
M	Electroless Nickel	Z1	Passivate
NF	Olive Drab Cadmium	ZM	Nickel-plated
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		

TABLE 2 ATTACHMENT TYPE

D
SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F
Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G
Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H
Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

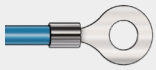
S
Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

T
SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U
SST Wire Rope, Black Polyurethane
Black polyurethane coating, very flexible, excellent abrasion resistance, .080" (2mm) diameter, -55 to +125 °C

TABLE 3 ATTACHMENT RING

EYELET



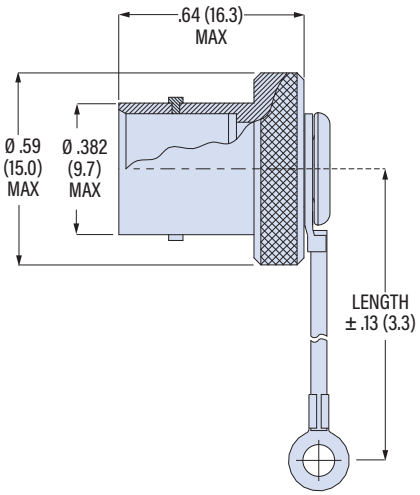
Code	Eyelet I.D.
06	.125 (3.2)
01	.140 (3.6)
02	.182 (4.6)
04	.197 (5.0)

SOLID RING

Code	Ring I.D.
095	.312 (7.9)
100	.391 (9.9)
101	.516 (13.1)
102	.583 (14.8
103	.641 (16.3)
104	.708 (18.0)
105	.766 (19.5)
106	.896 (22.2)
107	1.016 (25.8

SPLIT RING

Code	Ring I.D.
52	.485 (12.3)
54	.640 (16.3)
56	.750 (19.1)
58	.890 (22.6)
60	1.015 (25.8)



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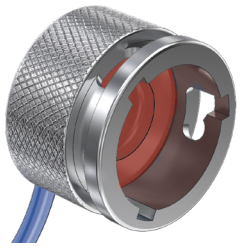
660-110
Protective Cover for BNC Receptacle

BNC Receptacle Cover



660-110 protective cover fits BNC receptacle connectors. Aluminum or stainless steel, with stainless steel fittings. Silicone gasket.

PART NUMBER

660-110	M	H	095	-4

Base P/N	660-110
Material/Finish	*See Table 1*
Attachment Type	N No Attachment *See Table 2 for Attachment Types*
Attachment Ring	*Omit for Attachment Type N* 00 No Ring *See Table 3 for Attachment Ring Codes*
Attachment Length	*Omit for Attachment Type N* *Length in One Inch Increments*

TABLE 1 MATERIAL / FINISH

Aluminum		Stainless Steel	
M	Electroless Nickel	Z1	Passivate
NF	Olive Drab Cadmium	ZM	Nickel-plated
MT	Nickel-PTFE		
ZR	Black Zinc-Nickel		

TABLE 2 ATTACHMENT TYPE

D — SST Bead Chain
.125 (3.2) diameter, size 6, -65 to +200 °C

F — Wire Rope, Blue Nylon Jacket
6/6 nylon over stainless steel rope, fair flexibility, good abrasion resistance, -55 to +100 °C

G — Black Nylon Rope
Very flexible, good abrasion and fuel resistance, .094 (2.4) diameter, -55 to +100 °C

H — Wire Rope, Clear FEP Jacket
Clear FEP jacket over SST rope, fair flexibility, good abrasion resistance, .100" diameter, -65 to +200 °C

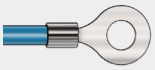
S — Sash Chain
#8 sash chain, stainless steel.
Length tolerance is ± one link .280 (7.1)

T — SST Wire Rope, No Jacket
Good flexibility, good abrasion resistance, .047 (1.2) diameter, passivated, -65 to +200 °C

U — SST Wire Rope, Black Polyurethane
Black polyurethane coating, very flexible, excellent abrasion resistance, .080" (2mm) diameter, -55 to +125 °C

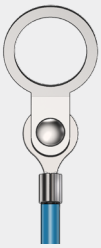
TABLE 3 ATTACHMENT RING

EYELET



Code	Eyelet I.D.
06	.125 (3.2)
01	.140 (3.6)
02	.182 (4.6)
04	.197 (5.0)

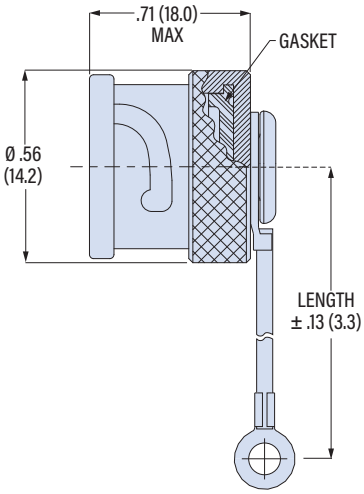
SOLID RING



Code	Ring I.D.
095	.312 (7.9)
100	.391 (9.9)
101	.516 (13.1)
102	.583 (14.8
103	.641 (16.3)
104	.708 (18.0)
105	.766 (19.5)
106	.896 (22.2)
107	1.016 (25.8

SPLIT RING

Code	Ring I.D.
52	.485 (12.3)
54	.640 (16.3)
56	.750 (19.1)
58	.890 (22.6)
60	1.015 (25.8)



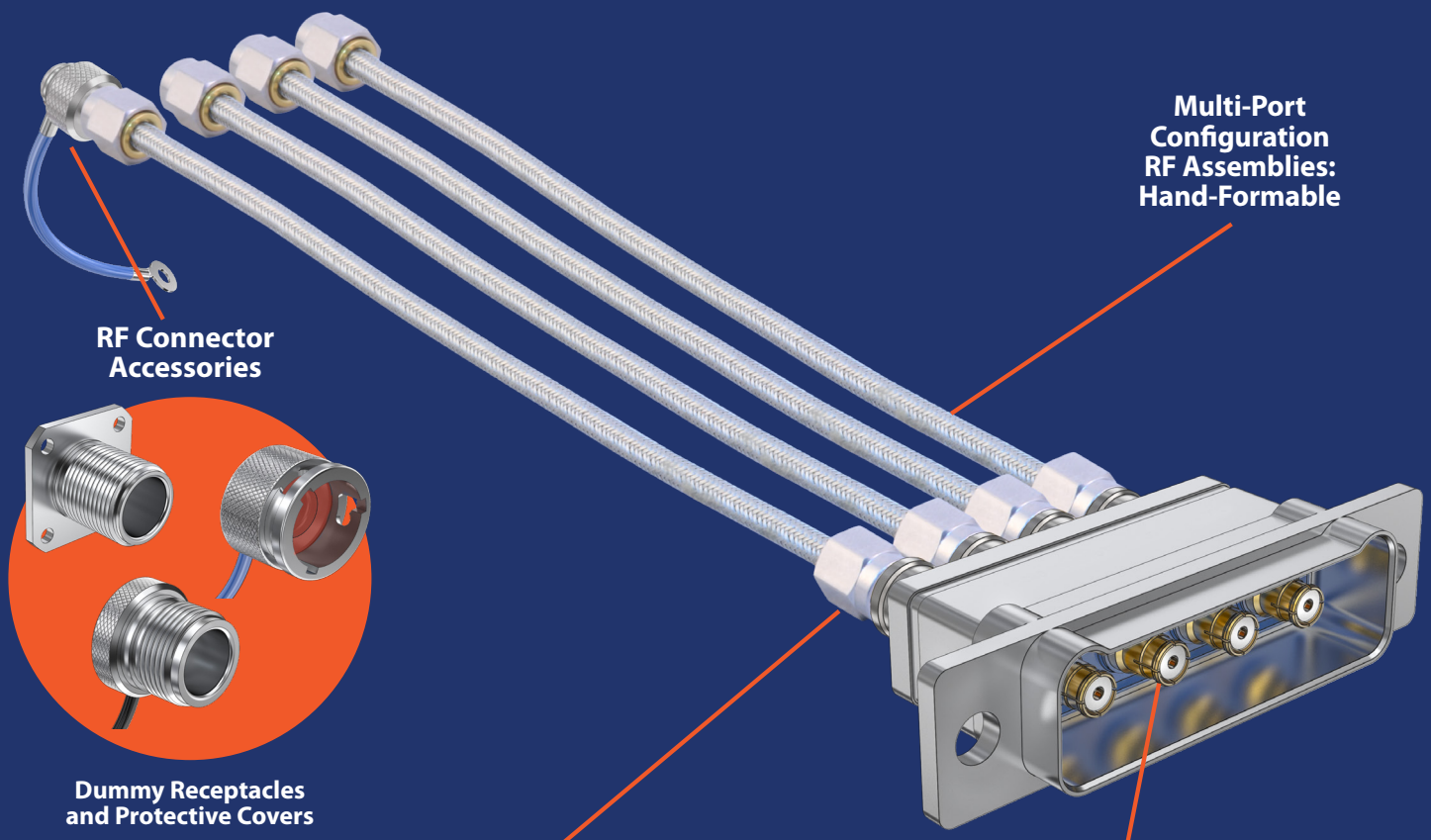
AEROSPACE-GRADE

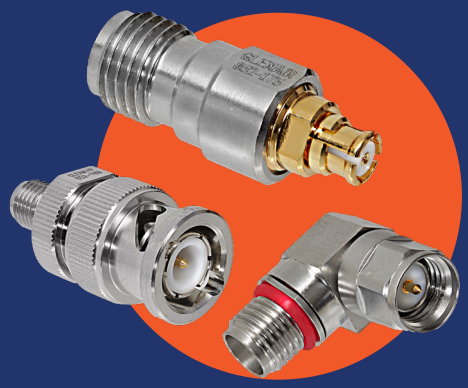
RUGGEDIZED RF, MICROWAVE, AND mmWAVE COAXIAL CABLE ASSEMBLIES

RF

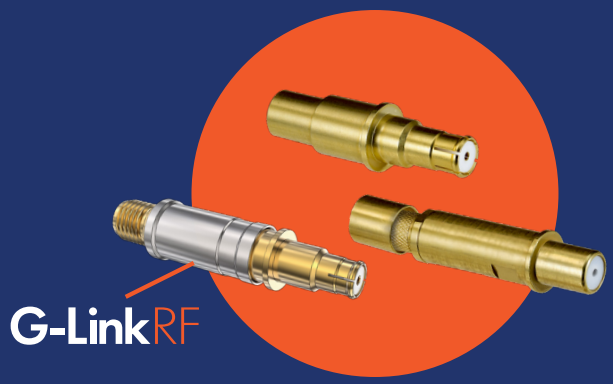
Accurate specification of RF assemblies depends on a thorough understanding of these key variables:

- Operating environment (temp, moisture, etc.)
- Operational frequency range
- Insertion Loss budget
- VSWR requirement





TNC-SMA, N-SMA, SMA-SMA, SMP-SMA, 2.92-SMA, BNC-SMA



G-LinkRF: 18 GHz RF BMB-to-SMA contact adapters

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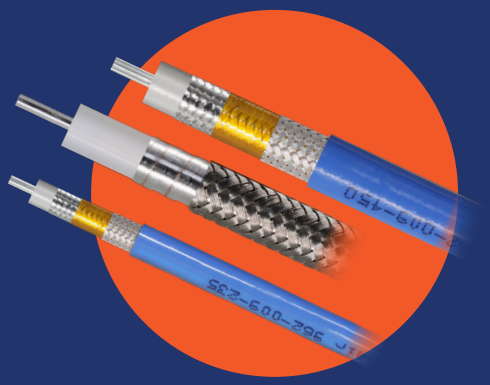
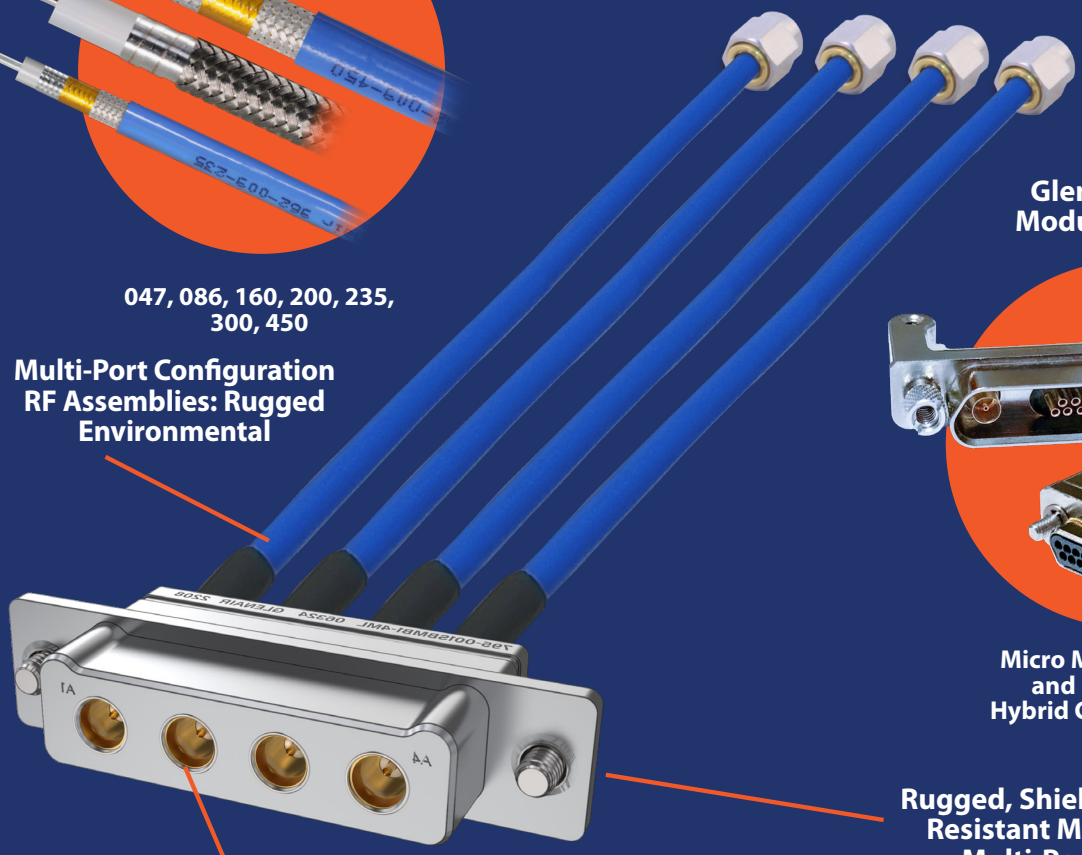
BLUMARK RF COAX CABLES

Mil/Aero-Grade Flexible RF Cables



047, 086, 160, 200, 235, 300, 450

Multi-Port Configuration RF Assemblies: Rugged Environmental



Glenair GMMD Modular Micro-D

Micro Miniature Board and I/O-to-Board Hybrid Coax Connectors

Rugged, Shielded, Vibration-Resistant Mil-Aero Grade Multi-Port RF Shells

Single-Channel RF Connectors for Multi-Port Shell Configurations sizes #8, #12, #16

G-LinkRF

G-LinkRF: 18 GHz RF BMB-to-SMA contact adapters

SuperNine RF, Mighty Mouse, Series 806 RF, and Series 795 RF Multi-Port RF Connector Shells

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MISSION-CRITICAL

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Glenair, Inc.
1211 Air Way • Glendale, California • 91201-2497
Telephone: 818-247-6000 • Fax: 818-500-9912 • sales@glenair.com
www.glenair.com

Glenair East
20 Sterling Drive
Wallingford, CT
06492
Telephone:
203-741-1115
Fax:
203-741-0053
sales@glenair.com

Glenair UK Ltd
40 Lower Oakham Way
Oakham Business Park
Mansfield, Notts
NG18 5BY England
Telephone:
+44-1623-638100
sales@glenair.co.uk

Glenair Microway Systems
7000 North Lawndale Avenue
Lincolnwood, IL
60712
Telephone:
847-679-8833
Fax:
847-679-8849

Glenair Nordic AB
Gustav III:s Boulevard 42
SE-169 27 Solna
Sweden
Telephone:
+46-8-50550000
sales@glenair.se

Glenair GmbH
Schaberweg 28
61348 Bad Homburg
Germany
Telephone:
06172 / 68 16 0
Fax:
06172 / 68 16 90
info@glenair.de

Glenair Iberica S.L.
Av. De Manoteras, 24 – 2º
28050 Madrid
Spain
Telephone:
+34 915 562 687
sales@glenair.es

Glenair Italia S.p.A.
Via Del Lavoro, 7
40057 Quarto Inferiore –
Granarolo dell'Emilia
Bologna, Italy
Telephone:
+39-051-782811
Fax:
+39-051-782259
info@glenair.it

Glenair France SARL
7, Avenue Parmentier
Immeuble Central Parc #2
31200 Toulouse
France
Telephone:
+33-5-34-40-97-40
Fax:
+33-5-61-47-86-10
sales@glenair.fr

Glenair Korea
6-21Tapsil-ro 58beon-gil
Giheung-gu, Yongin-si
Gyeonggi-do
Republic of Korea
Telephone:
+82-07-5067-2437
Fax:
+82-504-375-4549
sales@glenair.kr

Glenair Japan
40F, Nagoya Lucent Tower,
6-1, Ushijima-cho,
Nishi-ku, Nagoya, 451-6040
Japan
Telephone:
+81-52-569-2521
Fax:
+81-52-569-2523
sales@glenair.jp

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