

Selection Guide

SERIES 795 MULTI-PIN RF CONNECTORS

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.




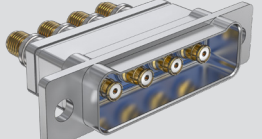
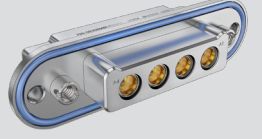
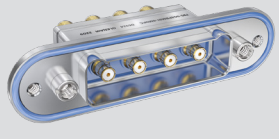
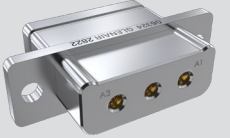
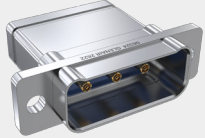

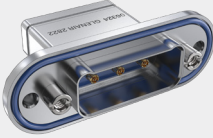

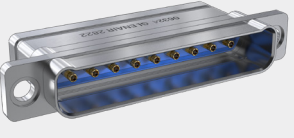
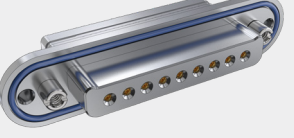
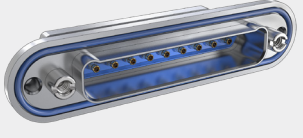
G-Link^{RF} Contacts



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)

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. <i>ASTM B733 Category SC2</i>
MT	Nickel-PTFE	500	Excellent corrosion resistance and durability. Excellent conductivity. Matte, light grey appearance. Solderable. RoHS compliant, Cr6-free. <i>SAE AMS2454</i>

ADDITIONAL CONNECTOR SHELL FINISH CODES

Plating Code	Type	Salt Spray Hours	Application Notes
Z2	Gold	48	RoHS compliant, Cr6-free. <i>MIL-DTL-45204</i>
J	Cadmium/gold chromate	500	Not allowed in space applications. Excellent conductivity and corrosion resistance. <i>Not RoHS compliant. SAE AMS-QQ-P-416</i>
NF	Cadmium, olive drab chromate	500	Not allowed in space applications. Excellent conductivity and corrosion resistance. <i>Not RoHS compliant. SAE AMS-QQ-P-416</i>
C	Black Anodize	336	Non-conductive, not suitable for EMI-protected equipment. Cadmium-free, Cr6-free. RoHS compliant. <i>MIL-A-8625</i>

Series 795 General Information Specifications

SERIES 795 MULTI-PIN RF CONNECTORS

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	EIA-364-66
	100 75	
	1000 50	
	3000 44	
	6000 38	
10000 35		
Ingress protection	IP67 rating	IEC-60529
Vibration, sine	No discontinuity of greater than 1 microsecond, 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/s ²
Vibration, random	No discontinuity of greater than 1 microsecond, 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/s ² (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.

Series 795 General Information

High Reliability Space Flight Applications

SERIES 795 Space Flight Information

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

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.

SPACE GRADE MODIFICATION CODES

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

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

Inspection/Test	NASA Screening Level	
	Level 1 Highest Reliability	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%

SERIES 795 MULTI-PIN RF CONNECTORS

795-001S
 Cable Plug, Socket Contacts

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

SERIES 795 MULTI-PIN RF CONNECTORS



Shown with 50 ohm G-Link^{RF} coax contacts (sold separately)

CONSTRUCTION

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

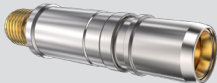
SPECIFICATIONS

- 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 795-001 connector.
 Sold separately.

G-Link^{RF}



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

for Flexible Coax Cable



- Part Number **852-152**
- 18 GHz, solder termination
- Accepts 402-flex and 405 flex cable

REMOVAL TOOL

859-022
 (M81969/14-06)



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-Link^{RF} BMB/SMA coax contacts (852-256, ordered separately).

PART NUMBER

		795-001S	1-4	M	L
Base P/N	795-001S				
Arrangement No.	See Table 1 1-2 2 contacts 1-3 3 contacts 1-4 4 contacts 1-5 5 contacts 2-5 5 contacts, two row 2-7 7 contacts, two row 2-9 9 contacts, two row				
Material/ Finish	M Alum/ Electroless Nickel MT Alum/ Nickel-PTFE				
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				

TABLE 1 ARRANGEMENT NUMBER

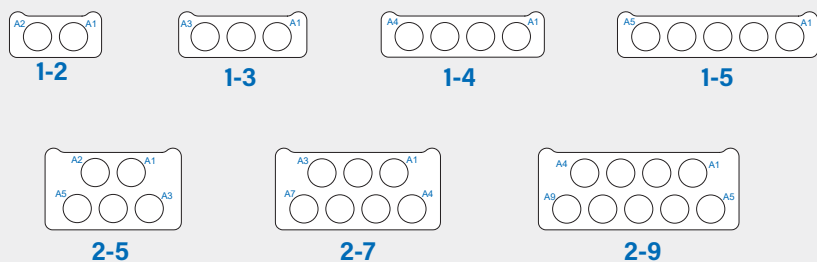
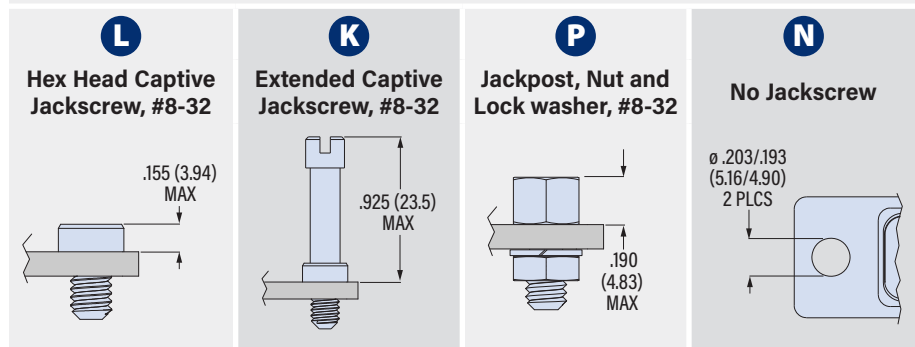


TABLE 2 HARDWARE OPTION

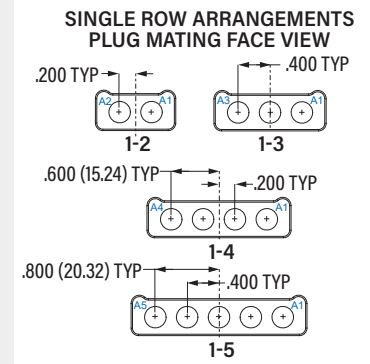
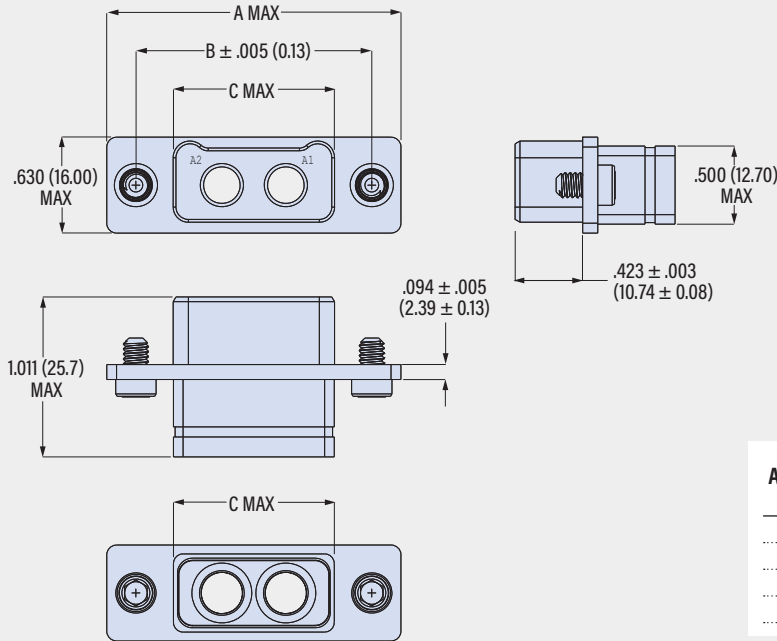


795-001S
 Cable Plug, Socket Contacts

- Size #8 Contacts
- All-Aluminum Body
- Two to Nine Ports

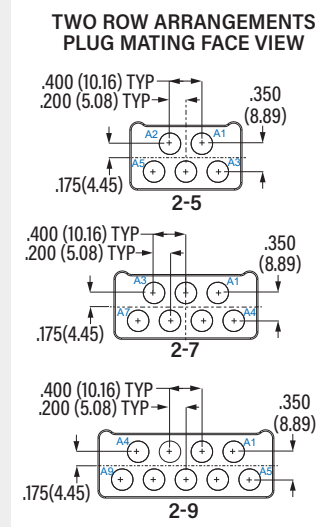
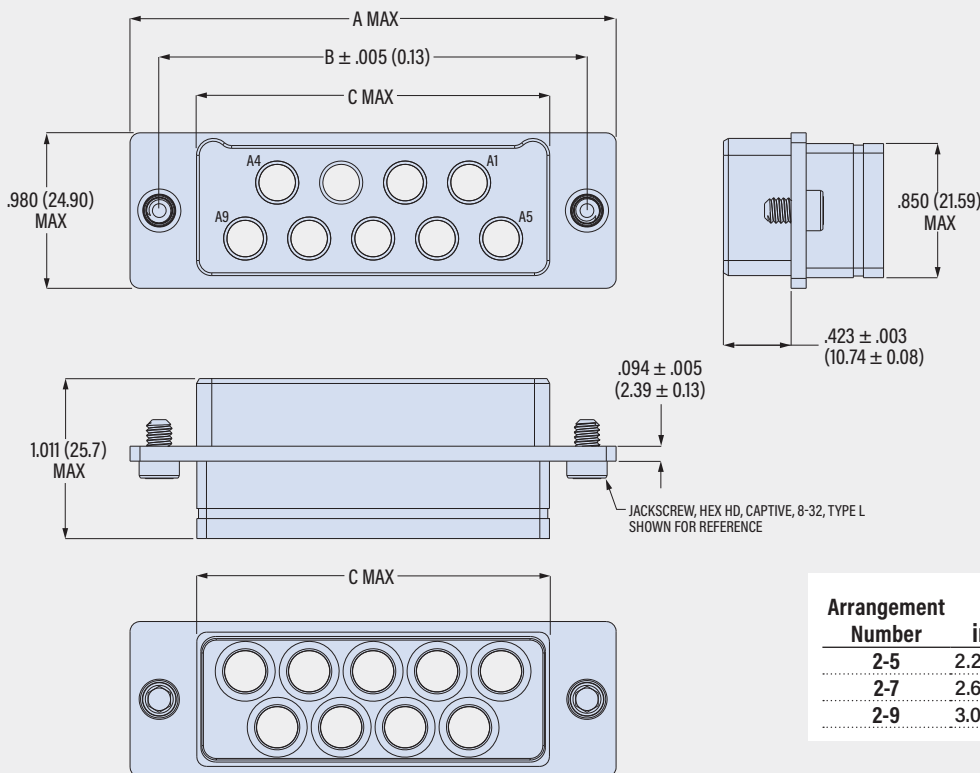
- 18 GHz BMB Coax
- Environmental
- Scoop-Proof

795-001S SINGLE ROW



Arrangement Number	A Max		B ± .005 (0.13)		C Max.	
	in	mm	in	mm	in	mm
1-2	1.850	46.99	1.475	37.47	1.015	25.78
1-3	2.250	57.15	1.875	47.63	1.415	35.94
1-4	1.650	67.31	2.275	57.79	1.815	46.10
1-5	3.050	77.47	2.675	67.95	2.215	56.26

795-001S TWO ROW



Arrangement Number	A Max		B ± .005 (0.13)		C Max.	
	in	mm	in	mm	in	mm
2-5	2.250	57.15	1.875	47.63	1.415	35.94
2-7	2.650	67.31	2.275	57.79	1.815	46.10
2-9	3.050	77.47	2.675	67.95	2.215	56.26

SERIES 795 MULTI-PIN RF CONNECTORS

RF, Microwave, and mmWave Interconnects

SERIES 795 High-Density

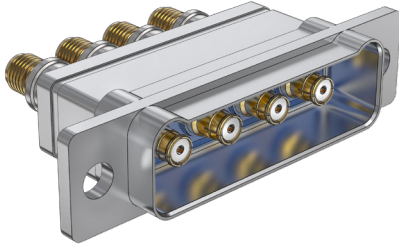
Multi-Port RF Rectangular Connectors



795-002P

Cable Receptacle, Pin Contacts

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



Shown with 50 ohm G-Link^{RF} coax contacts (sold separately)

CONSTRUCTION

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

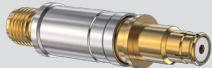
SPECIFICATIONS

- 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-Link^{RF}



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

for Flexible Coax Cable



- Part Number **852-071**
- 18 GHz, solder termination
- Accepts 402-flex and 405 flex cable

REMOVAL TOOL

859-022
(M81969/14-06)



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-Link^{RF} BMB/SMA coax contacts (852-157, sold separately).

PART NUMBER

	795-002P	1-4	M	E	L
Base P/N	795-002P				
Arrangement No.	<i>See Table 1</i> 1-2 2 contacts 1-3 3 contacts 1-4 4 contacts 1-5 5 contacts 2-5 5 contacts, two row 2-7 7 contacts, two row 2-9 9 contacts, two row				
Material/ Finish	M Alum/ Electroless Nickel MT Alum/ Nickel-PTFE				
EMI Spring	E EMI Spring N No Spring				
Hardware Option	<i>See Table 2</i> 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				

TABLE 1 ARRANGEMENT NUMBER

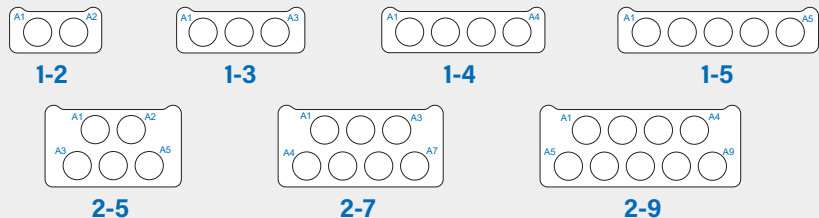
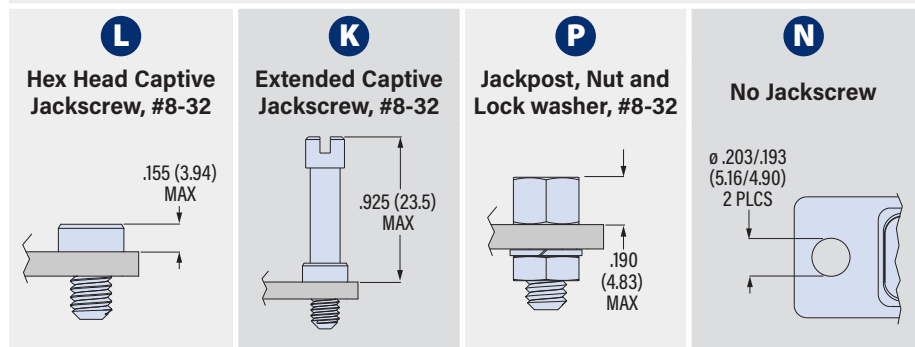


TABLE 2 HARDWARE OPTION

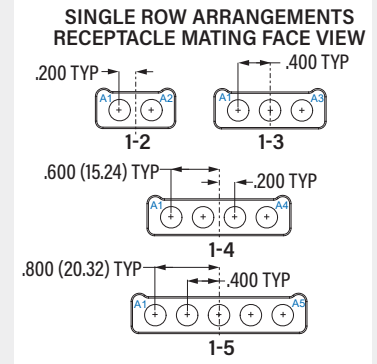
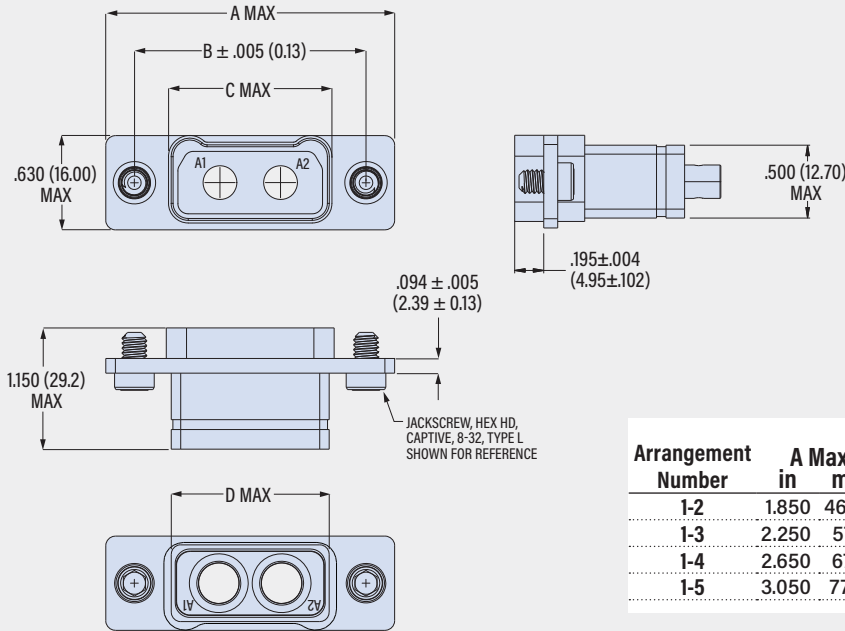


SERIES 795 MULTI-PIN RF CONNECTORS

795-002P
 Cable Receptacle, Pin Contacts

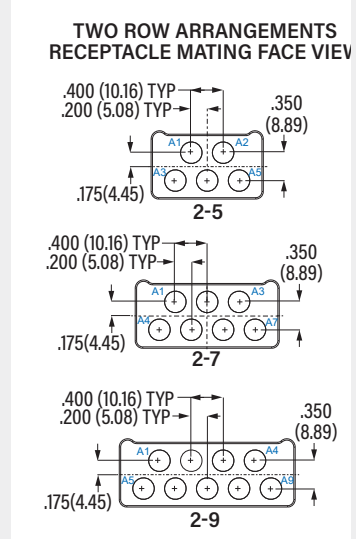
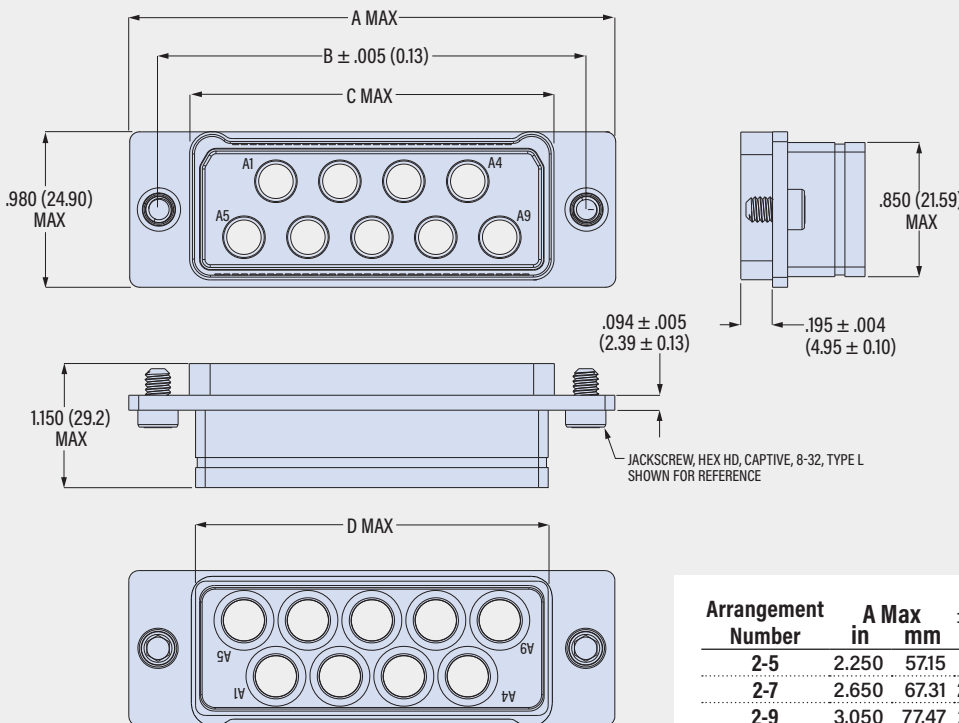
- Size #8 Contacts
- 18 GHz BMB Coax
- All-Aluminum Body
- Environmental
- Two to Nine Ports
- Scoop-Proof

795-002P SINGLE ROW



Arrangement Number	A Max		B ±.005 (0.13)		C Max.		D Max.	
	in	mm	in	mm	in	mm	in	mm
1-2	1.850	46.99	1.475	37.47	1.090	27.69	1.015	25.78
1-3	2.250	57.15	1.875	47.63	1.490	37.85	1.415	35.94
1-4	2.650	67.31	2.275	57.79	1.890	48.01	1.815	46.10
1-5	3.050	77.47	2.675	67.95	2.290	58.17	2.215	56.26

795-002P TWO ROW

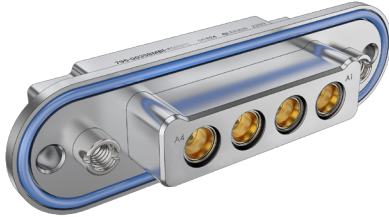


Arrangement Number	A Max		B ±.005 (0.13)		C Max.		D Max.	
	in	mm	in	mm	in	mm	in	mm
2-5	2.250	57.15	1.875	47.63	1.490	37.85	1.415	35.94
2-7	2.650	67.31	2.275	57.79	1.890	48.01	1.815	46.10
2-9	3.050	77.47	2.675	67.95	2.290	58.17	2.215	56.26

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



Shown with 50 ohm G-Link^{RF} coax contacts (sold 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

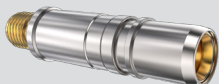
SPECIFICATIONS

- 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-Link^{RF}



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

for Flexible Coax Cable



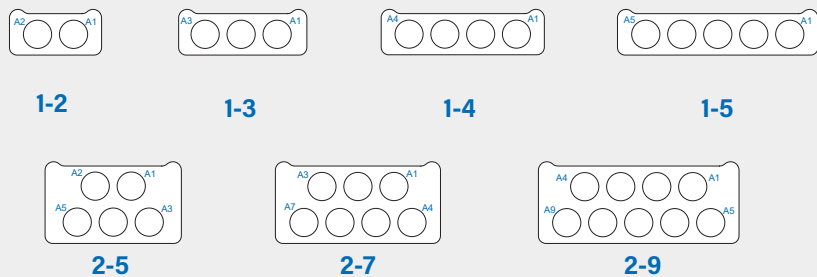
- Part Number **852-152**
- 18 GHz, solder termination
- Accepts 402-flex and 405 flex cable

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-Link^{RF} BMB/SMA coax contacts (852-256, ordered separately).

PART NUMBER

	795-003S	1-4	M	P	C
Base P/N	795-003S				
Arrangement No.	See Table 1				
	1-2 2 contacts				
	1-3 3 contacts				
	1-4 4 contacts				
	1-5 5 contacts				
	2-5 5 contacts, two row				
	2-7 7 contacts, two row				
	2-9 9 contacts, two row				
Material/ Finish	M Alum/ Electroless Nickel				
	MT Alum/ Nickel-PTFE				
Jackpost	P Jackpost #8-32, Non-Removable				
	N No Jackpost				
O-ring	C Conductive O-ring				
	N No O-ring				

TABLE 1 ARRANGEMENT NUMBER



REMOVAL TOOL

859-022
 (M81969/14-06)



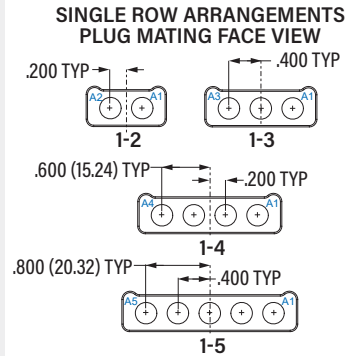
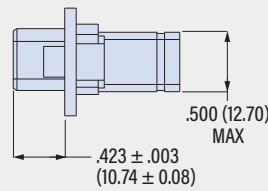
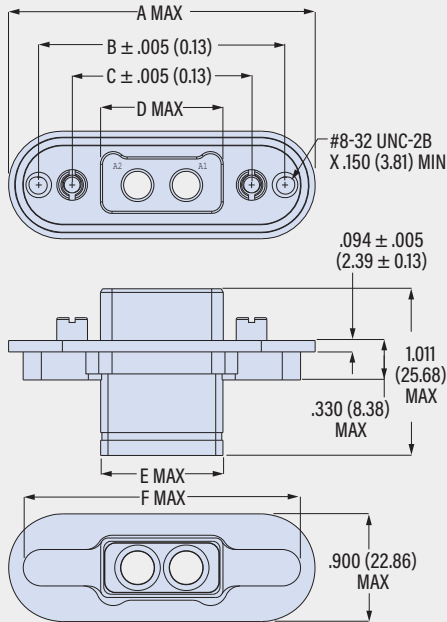
SERIES 795 MULTI-PIN RF CONNECTORS

795-003S

Panel Mount Plug, Socket Contacts

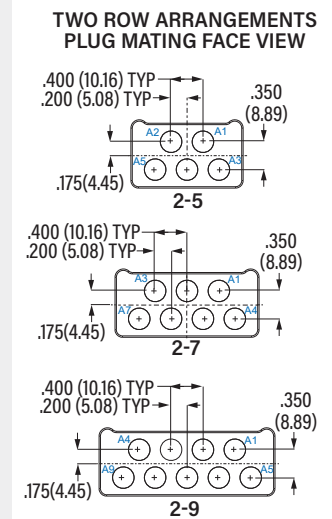
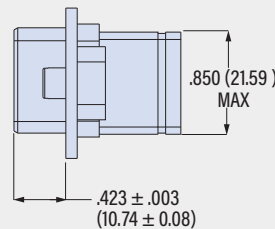
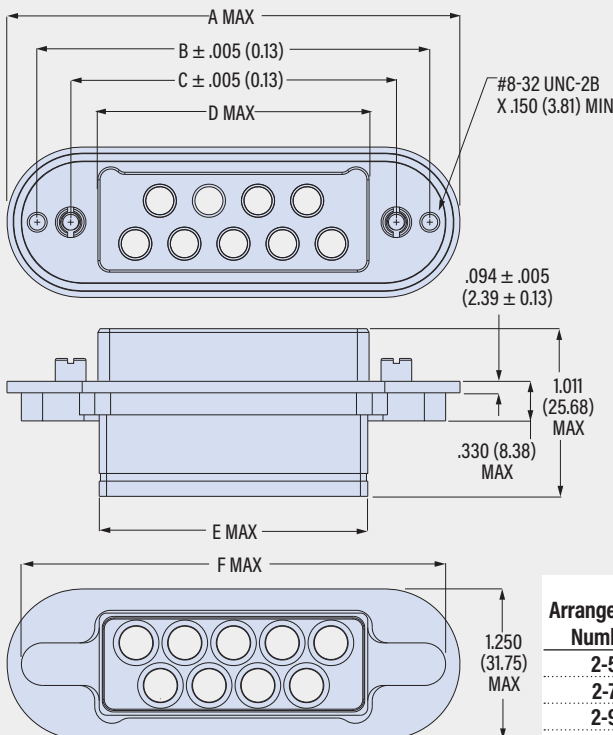
- Size #8 Contacts
- 18 GHz BMB Coax
- All-Aluminum Body
- Environmental
- Two to Nine Ports
- Scoop-Proof

795-003S SINGLE ROW



Arrangement Number	A Max		B ±.005 (0.13)		C ±.005 (0.13)		D Max		E Max		F Max	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
1-2	2.550	64.77	2.024	51.41	1.475	37.47	1.015	25.78	1.015	25.78	2.295	58.29
1-3	2.950	74.93	2.424	61.57	1.875	47.63	1.415	35.94	1.415	35.94	2.695	68.45
1-4	3.350	85.09	2.824	71.73	2.275	57.79	1.815	46.10	1.815	46.10	3.095	78.61
1-5	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 TWO ROW

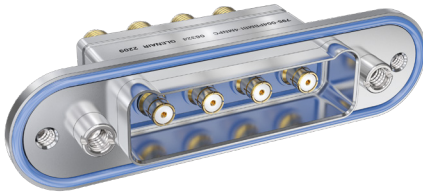


Arrangement Number	A Max		B ±.005 (0.13)		C ±.005 (0.13)		D Max		E Max		F Max	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
2-5	2.950	74.93	2.424	61.57	1.875	47.63	1.415	35.94	1.415	35.94	2.695	68.45
2-7	3.350	85.09	2.824	71.73	2.275	57.79	1.815	46.10	1.815	46.10	3.095	78.61
2-9	3.750	95.25	3.224	81.89	2.675	67.95	2.215	56.26	2.215	56.26	3.495	88.77

SERIES 795 MULTI-PIN RF CONNECTORS

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)

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

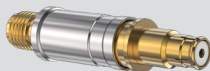
SPECIFICATIONS

- 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-Link^{RF}



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

for Flexible Coax Cable



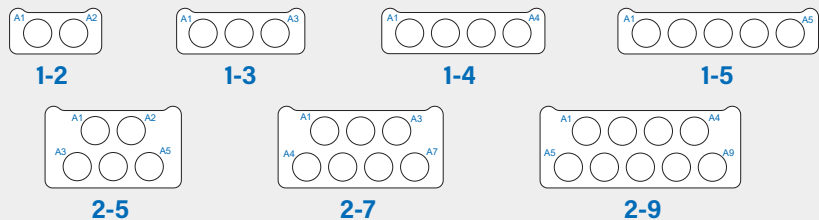
- Part Number **852-071**
- 18 GHz, solder termination
- Accepts 402-flex and 405 flex cable

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).

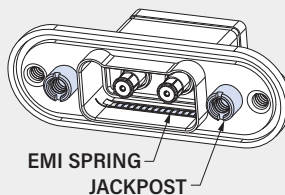
PART NUMBER

	795-004P	1-4	M	E	P	C
Base P/N	795-004P					
Arrangement No.	See Table 1					
	1-2 2 contacts					
	1-3 3 contacts					
	1-4 4 contacts					
	1-5 5 contacts					
	2-5 5 contacts, two row					
	2-7 7 contacts, two row					
	2-9 9 contacts, two row					
Material/ Finish	M Alum/ Electroless Nickel					
	MT Alum/ Nickel-PTFE					
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



JACKPOST AND EMI SPRING



REMOVAL TOOL

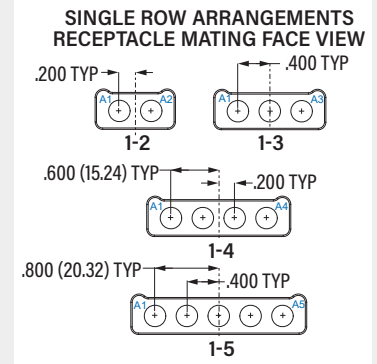
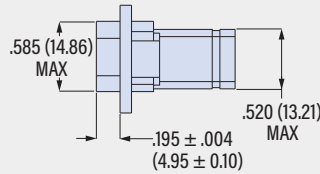
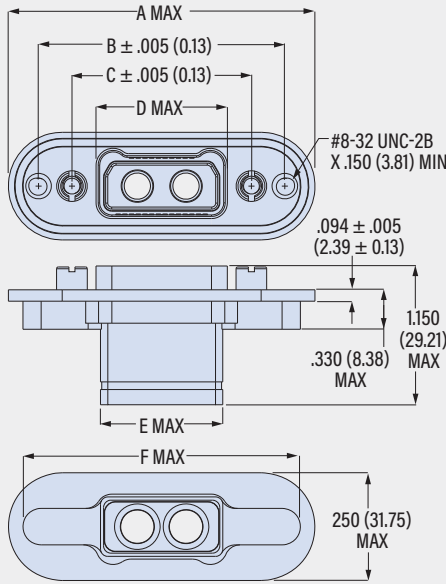
859-022
 (M81969/14-06)



795-004P
 Panel Mount Receptacle, Pin Contacts

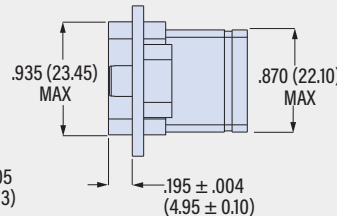
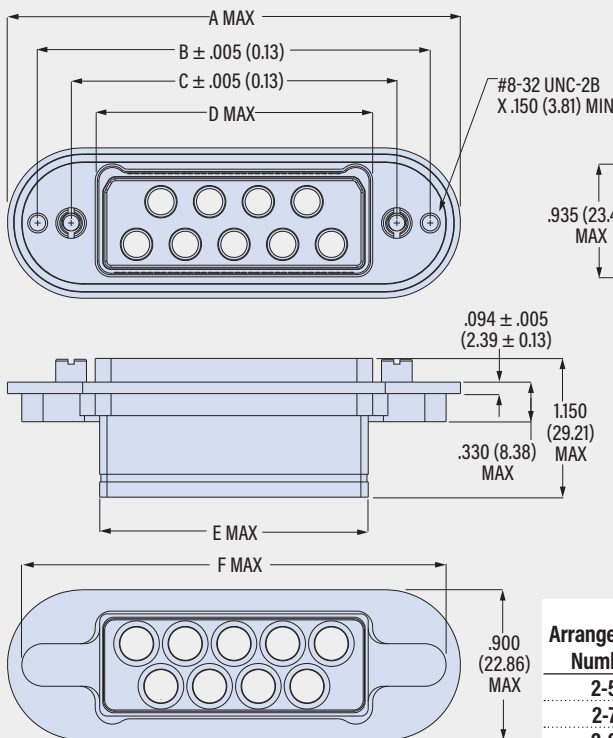
- Size #8 Contacts
- 18 GHz Coax
- All-Aluminum Body
- Environmental
- Two to Nine Ports
- Scoop-Proof

795-004P SINGLE ROW

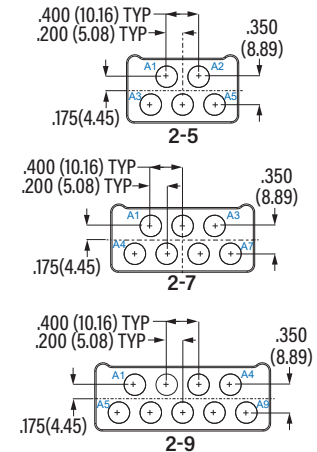


Arrangement Number	A Max		B ±.005 (0.13)		C ±.005 (0.13)		D Max		E Max		F Max	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
1-2	2.625	66.68	2.099	53.31	1.475	37.47	1.090	27.69	1.015	25.78	2.370	60.20
1-3	3.025	76.84	2.499	63.47	1.875	47.63	1.490	37.85	1.415	35.94	2.770	70.36
1-4	3.425	87.00	2.899	74.63	2.275	57.79	1.890	48.01	1.815	46.10	3.170	80.52
1-5	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 TWO ROW



TWO ROW ARRANGEMENTS RECEPTACLE MATING FACE VIEW



Arrangement Number	A Max		B ±.005 (0.13)		C ±.005 (0.13)		D Max		E Max		F Max	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
2-5	3.025	76.84	2.499	63.47	1.875	47.63	1.490	37.85	1.415	35.94	2.770	70.36
2-7	3.425	87.00	2.899	73.63	2.275	57.79	1.890	48.01	1.815	46.10	3.170	80.52
2-9	3.825	97.16	3.299	83.79	2.675	67.95	2.290	58.17	2.215	56.26	3.570	90.68

SERIES 795 MULTI-PIN RF CONNECTORS

RF, Microwave, and mmWave Interconnects
SERIES 795 High-Density
 Multi-Port RF Rectangular Connectors



795-005S
 Cable Plug, Socket Contacts

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

SERIES 795 MULTI-PIN RF CONNECTORS

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



- Part Number **852-100**
- 40 GHz, solder termination
- Accepts 405 flex, 120s semiflex, and molex cable

PART NUMBER

	795-005S	1-2	M	L
Base P/N	795-005S			
Arrangement No.	<p><i>See Table 1</i></p> <p>1-3 3 contacts</p> <p>1-5 5 contacts</p> <p>1-6 6 contacts</p> <p>2-5 5 contacts, two row</p> <p>2-7 7 contacts, two row</p> <p>2-9 9 contacts, two row</p> <p>2-11 11 contacts, two row</p>			
Material/ Finish	<p>M Alum/ Electroless Nickel</p> <p>MT Alum/ Nickel-PTFE</p>			
Hardware Option	<p><i>See Table 2</i></p> <p>L Jackscrews, Socket Head #8-32, non-removable</p> <p>K Extended Jackscrews Slot Head #8-32, non-removable</p> <p>S Low-Profile Socket Head Screwlock #8-32, non-removable</p> <p>T Extended Screwlock, Knurled Head #8-32, non-removable</p> <p>P Jackposts #8-32, with nut and lock washer</p> <p>N No Hardware .198 (5.0) diameter thru-holes</p>			

TABLE 1 ARRANGEMENT NUMBER

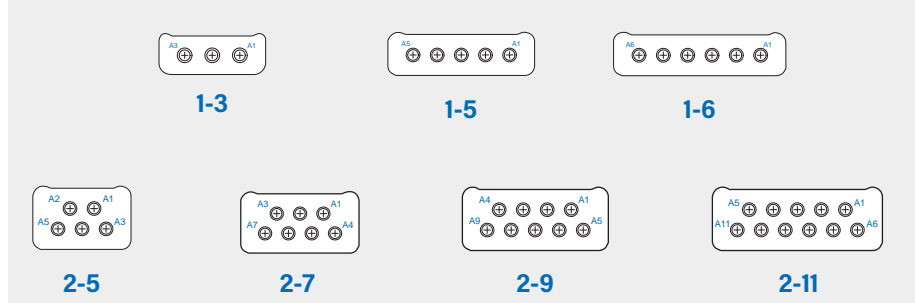
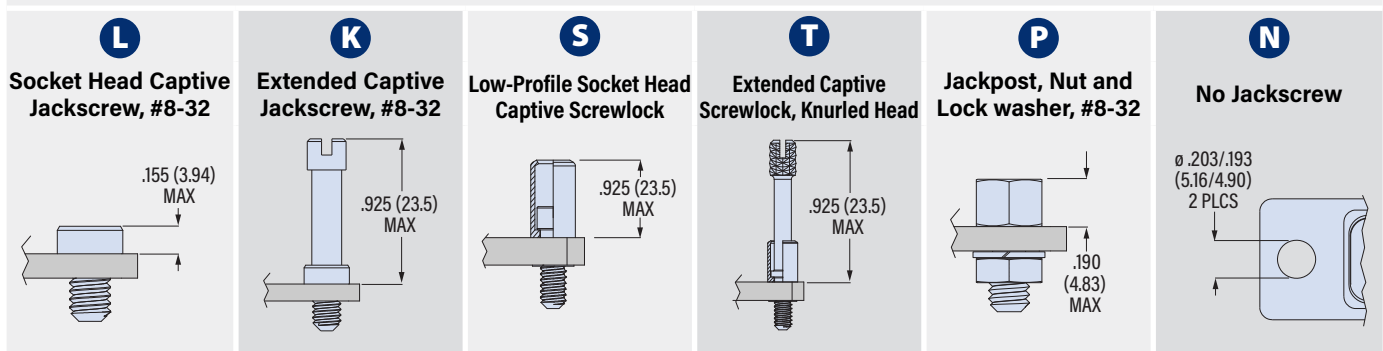


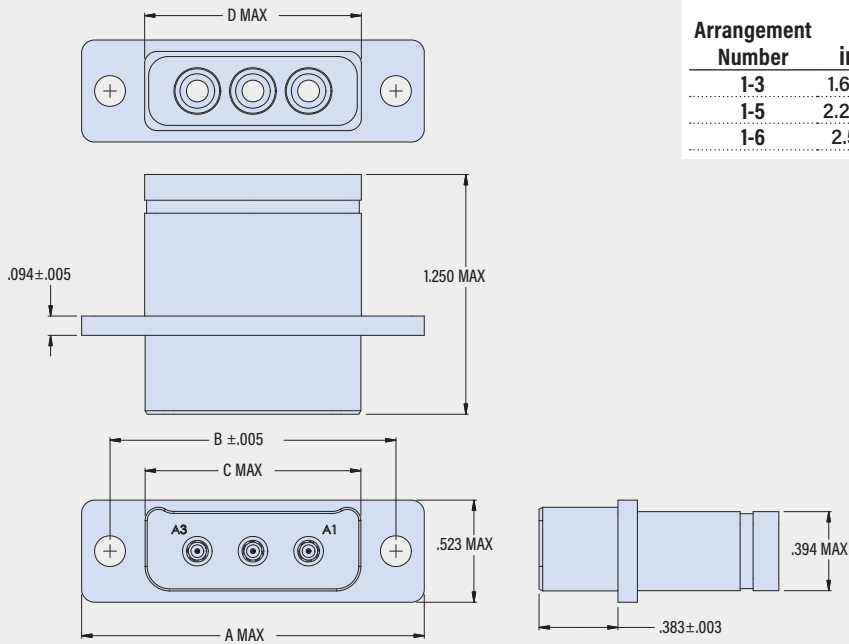
TABLE 2 HARDWARE OPTION



795-005S
 Cable Plug, Socket Contacts

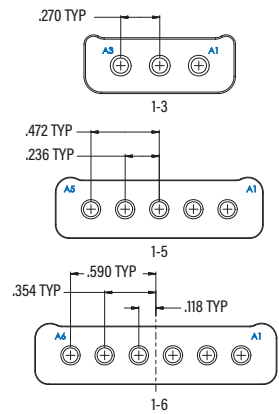
- Size #12 Contacts
- 40 GHz SMPM Coax
- All-Aluminum Body
- Environmental
- Three to Eleven Ports
- Scoop-Proof

795-005S SINGLE ROW

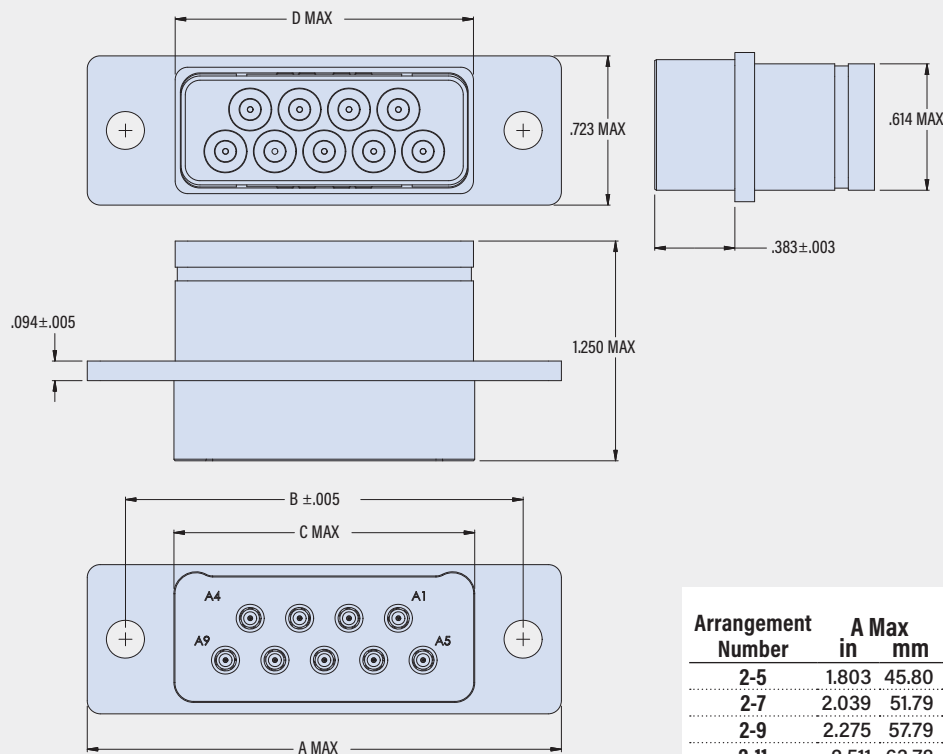


Arrangement Number	A Max		B ±.005 (0.13)		C Max.		D Max.	
	in	mm	in	mm	in	mm	in	mm
1-3	1.673	42.49	1.388	35.26	1.057	26.85	1.062	26.97
1-5	2.275	57.79	1.900	48.26	1.447	36.75	1.435	36.45
1-6	2.511	63.78	2.146	54.51	1.683	42.75	1.671	42.44

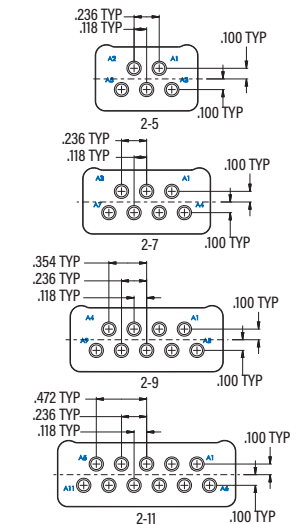
SINGLE ROW ARRANGEMENTS
 PLUG MATING FACE VIEW



795-005S TWO ROW



TWO ROW ARRANGEMENTS
 PLUG MATING FACE VIEW



Arrangement Number	A Max		B ±.005 (0.13)		C Max.		D Max.	
	in	mm	in	mm	in	mm	in	mm
2-5	1.803	45.80	1.428	36.27	.975	24.77	.963	24.66
2-7	2.039	51.79	1.664	42.27	1.211	30.76	1.199	30.46
2-9	2.275	57.79	1.900	48.26	1.447	36.75	1.435	36.45
2-11	2.511	63.78	2.136	54.25	1.683	42.75	1.671	42.44

SERIES 795 MULTI-PIN RF CONNECTORS

RF, Microwave, and mmWave Interconnects

SERIES 795 High-Density

Multi-Port RF Rectangular Connectors



795-006P

Cable Receptacle, Pin Contacts

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

SERIES 795 MULTI-PIN RF CONNECTORS

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



- Part Number **852-099**
- 40 GHz, solder termination
- Accepts 405 flex, 120s semiflex, and molex cable

PART NUMBER

		795-006P	1-2	M	L
Base P/N	795-006P				
Arrangement No.	<p><i>See Table 1</i></p> <p>1-3 3 contacts</p> <p>1-5 5 contacts</p> <p>1-6 6 contacts</p> <p>2-5 5 contacts, two row</p> <p>2-7 7 contacts, two row</p> <p>2-9 9 contacts, two row</p> <p>2-11 11 contacts, two row</p>				
Material/ Finish	<p>M Alum/ Electroless Nickel</p> <p>MT Alum/ Nickel-PTFE</p>				
Hardware Option	<p><i>See Table 2</i></p> <p>L Jackscrews, Socket Head #8-32, non-removable</p> <p>K Extended Jackscrews Slot Head #8-32, non-removable</p> <p>S Low-Profile Socket Head Screwlock #8-32, non-removable</p> <p>T Extended Screwlock, Knurled Head #8-32, non-removable</p> <p>P Jackposts #8-32, with nut and lock washer</p> <p>N No Hardware .198 (5.0) diameter thru-holes</p>				

TABLE 1 ARRANGEMENT NUMBER

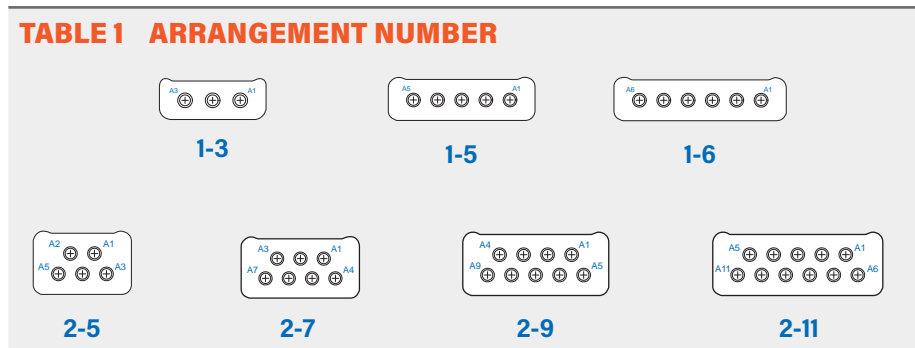
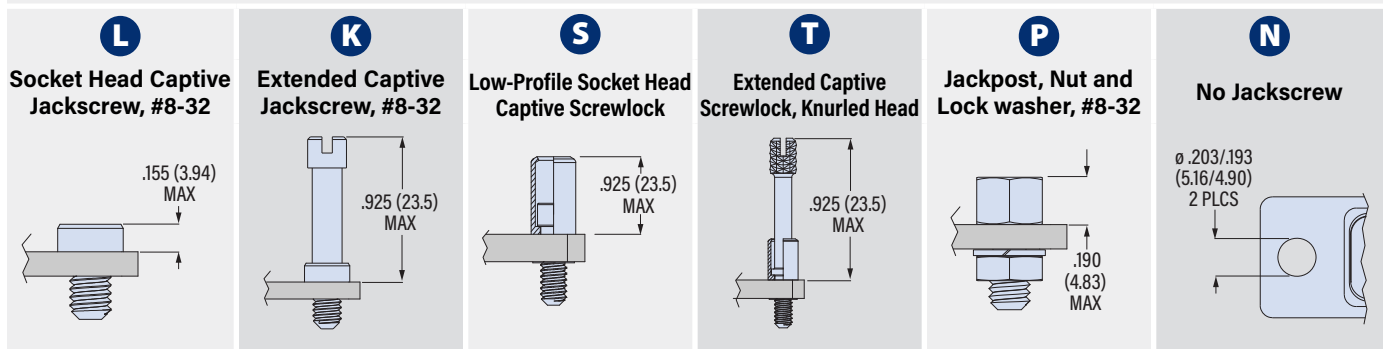


TABLE 2 HARDWARE OPTION

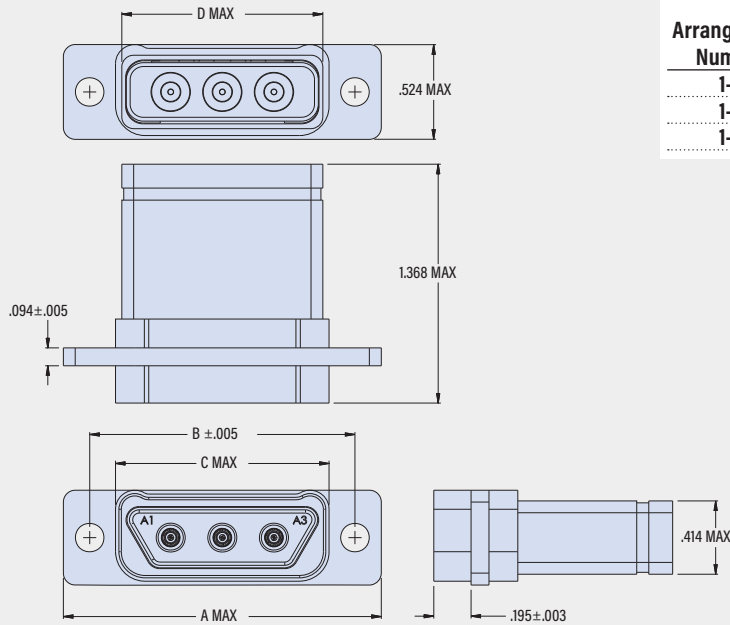


795-006P

Cable Receptacle, Pin Contacts

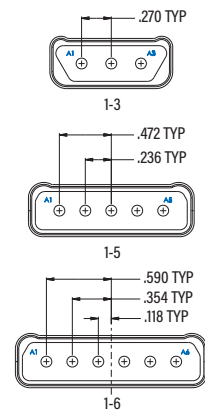
- Size #12 Contacts
- 40 GHz SMPM Coax
- All-Aluminum Body
- Environmental
- Three to Eleven Ports
- Scoop-Proof

795-006P SINGLE ROW

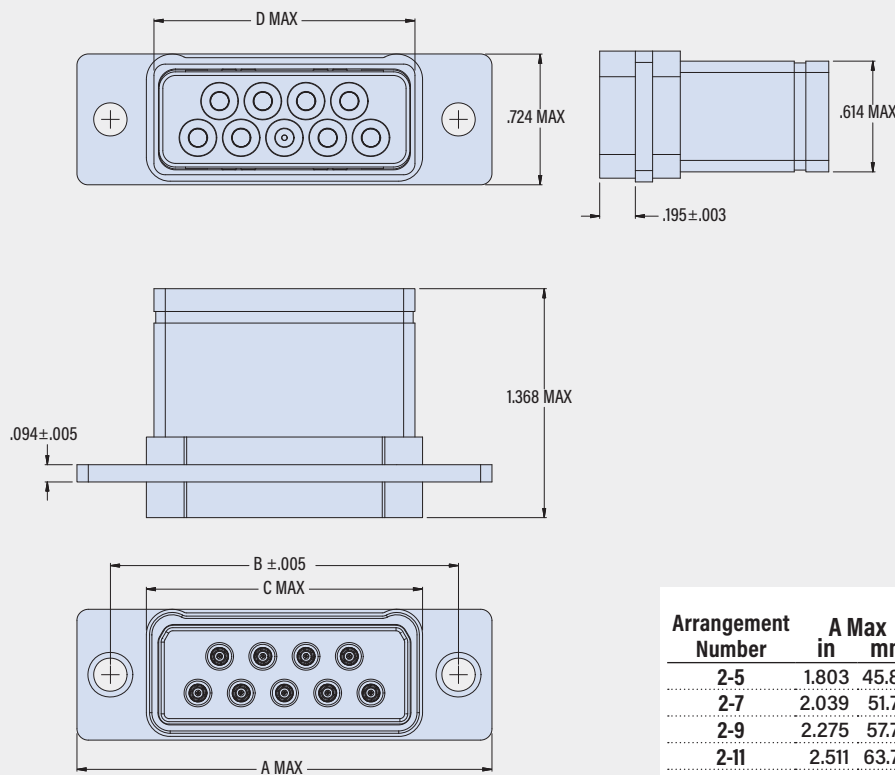


Arrangement Number	A Max		B ± .005 (0.13)		C Max.		D Max.	
	in	mm	in	mm	in	mm	in	mm
1-3	1.673	42.49	1.388	35.26	1.057	26.85	1.062	26.97
1-5	2.275	57.79	1.900	48.26	1.447	36.75	1.435	36.45
1-6	2.511	63.78	2.136	54.25	1.683	42.75	1.671	42.44

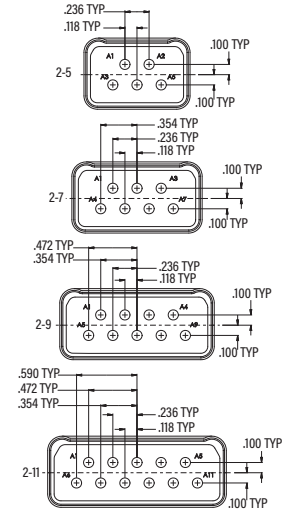
SINGLE ROW ARRANGEMENTS RECEPTACLE MATING FACE VIEW



795-006P TWO ROW



TWO ROW ARRANGEMENTS RECEPTACLE MATING FACE VIEW



Arrangement Number	A Max		B ± .005 (0.13)		C Max.		D Max.	
	in	mm	in	mm	in	mm	in	mm
2-5	1.803	45.80	1.428	36.27	1.045	26.54	.963	24.66
2-7	2.039	51.79	1.664	42.27	1.281	32.54	1.199	30.46
2-9	2.275	57.79	1.900	48.26	1.517	38.53	1.435	36.45
2-11	2.511	63.78	2.136	54.25	1.753	44.56	1.671	42.44

SERIES 795 MULTI-PIN RF CONNECTORS

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).

SERIES 795 MULTI-PIN RF CONNECTORS

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

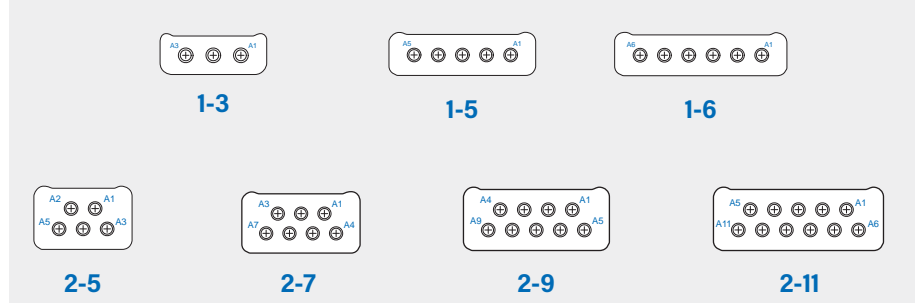


- Part Number **852-100**
- 40 GHz, solder termination
- Accepts 405 flex, 120s semiflex, and molex cable

PART NUMBER

	795-007S	1-3	M	P	N
Base P/N	795-007S				
Arrangement No.	See Table 1 1-3 3 contacts 1-5 5 contacts 1-6 6 contacts 2-5 5 contacts, two row 2-7 7 contacts, two row 2-9 9 contacts, two row 2-11 11 contacts, two row				
Material/ Finish	M Alum/ Electroless Nickel MT Alum/ Nickel-PTFE				
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

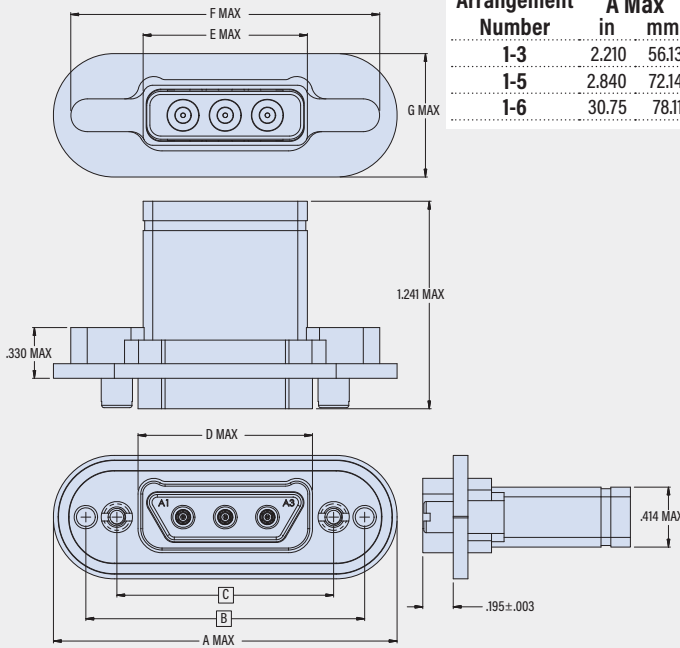


795-007S

Panel-Mount Plug, Socket Contacts

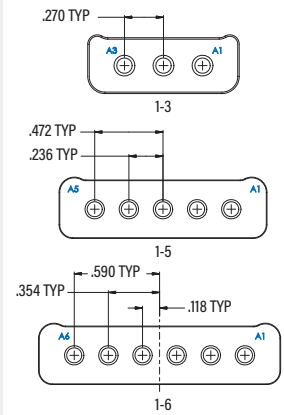
- Size #12 Contacts
- All-Aluminum Body
- Three to Eleven Ports
- 40 GHz SMPM Coax
- Environmental
- Scoop-Proof

795-007S SINGLE ROW

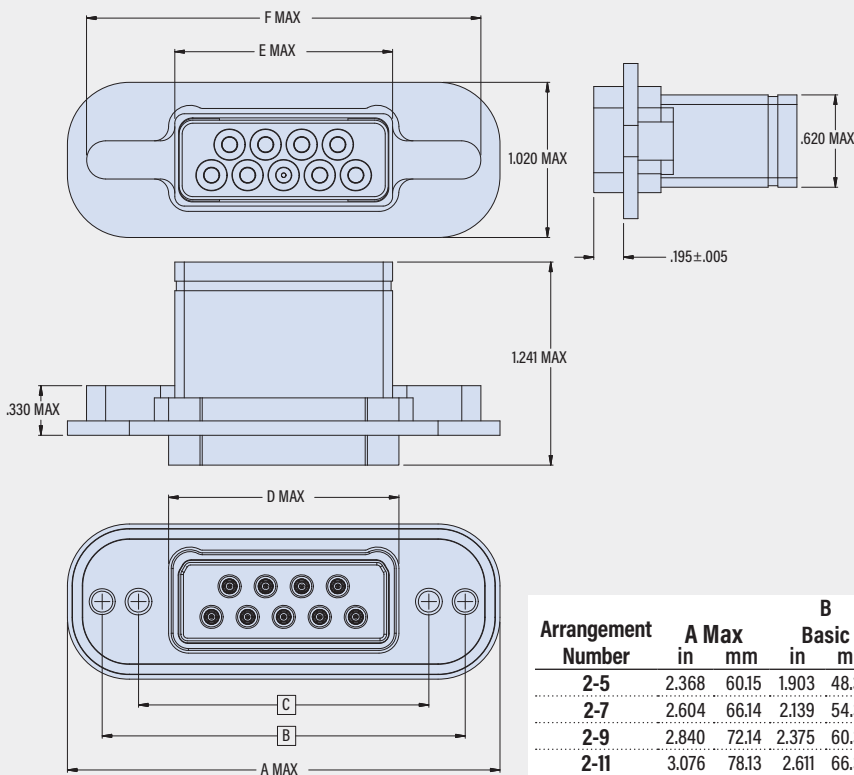


Arrangement Number	A Max		B Basic		C Basic		D Max		E Max		F Max		G Max	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
1-3	2.210	56.13	1.785	45.34	1.388	35.25	1.127	28.63	1.090	27.69	1.983	50.37	.800	20.32
1-5	2.840	72.14	2.375	60.33	1.900	48.26	1.516	38.51	1.440	36.58	2.590	65.79	.820	20.83
1-6	30.75	78.11	2.611	66.32	2.136	54.25	1.752	44.50	1.675	42.54	2.826	71.18	.820	20.83

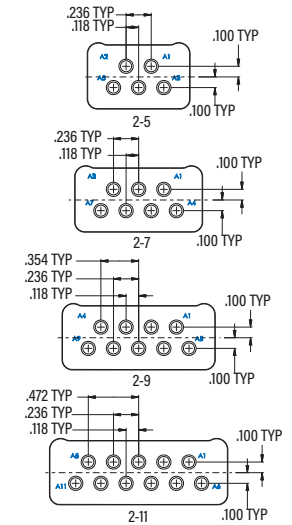
SINGLE ROW ARRANGEMENTS PLUG MATING FACE VIEW



795-007S TWO ROW



TWO ROW ARRANGEMENTS PLUG MATING FACE VIEW



Arrangement Number	A Max		B Basic		C Basic		D Max		E Max		F Max	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
2-5	2.368	60.15	1.903	48.34	1.428	36.27	1.044	26.52	.968	24.59	2.118	53.80
2-7	2.604	66.14	2.139	54.33	1.664	42.27	1.280	32.51	1.204	30.58	2.354	59.79
2-9	2.840	72.14	2.375	60.33	1.900	48.26	1.516	38.51	1.440	36.58	2.590	65.79
2-11	3.076	78.13	2.611	66.32	2.136	54.25	1.752	44.50	1.676	42.57	2.826	71.78

795-008P
 Panel Mount Receptacle, Pin Contacts

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

SERIES 795 MULTI-PIN RF CONNECTORS



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



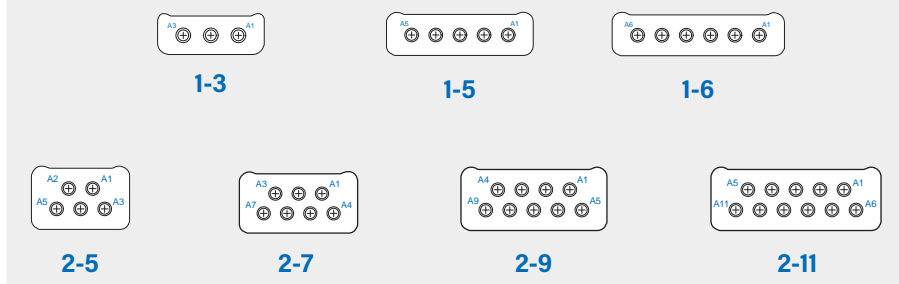
- Part Number **852-099**
- 40 GHz, solder termination
- Accepts 405 flex, 120s semiflex, and molex cable

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).

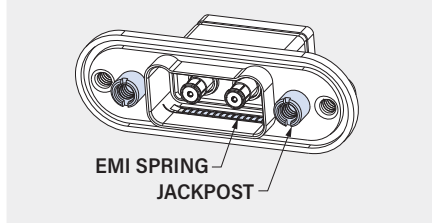
PART NUMBER

	795-008P	1-3	M	E	P	C
Base P/N	795-008P					
Arrangement No.	<i>See Table 1</i>					
	1-3 3 contacts					
	1-5 5 contacts					
	1-6 6 contacts					
	2-5 5 contacts, two row					
	2-7 7 contacts, two row					
	2-9 9 contacts, two row					
	2-11 11 contacts, two row					
Material/ Finish	M Alum/ Electroless Nickel					
	MT Alum/ Nickel-PTFE					
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



JACKPOST AND EMI SPRING

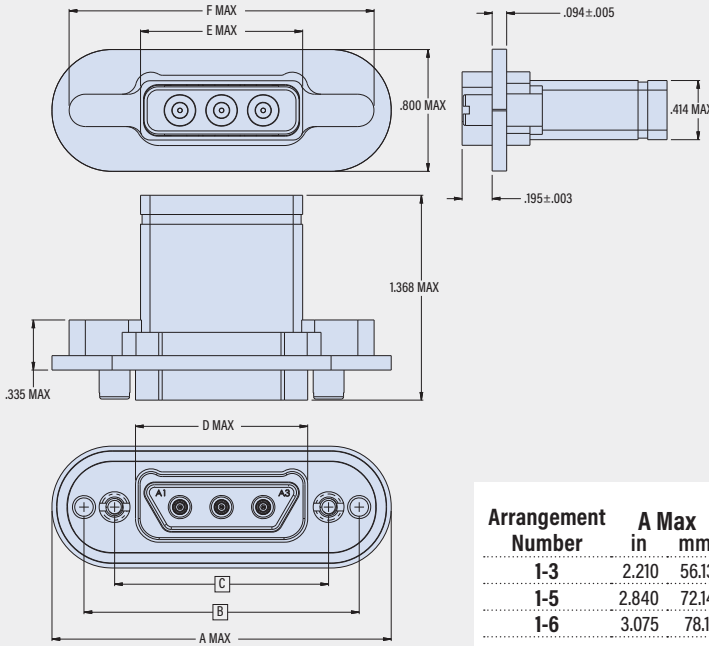


795-008P

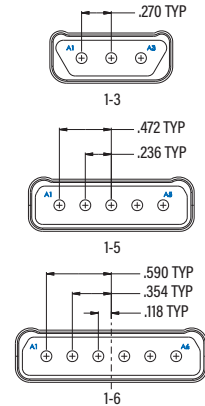
Panel Mount Receptacle, Pin Contacts

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

795-008P SINGLE ROW

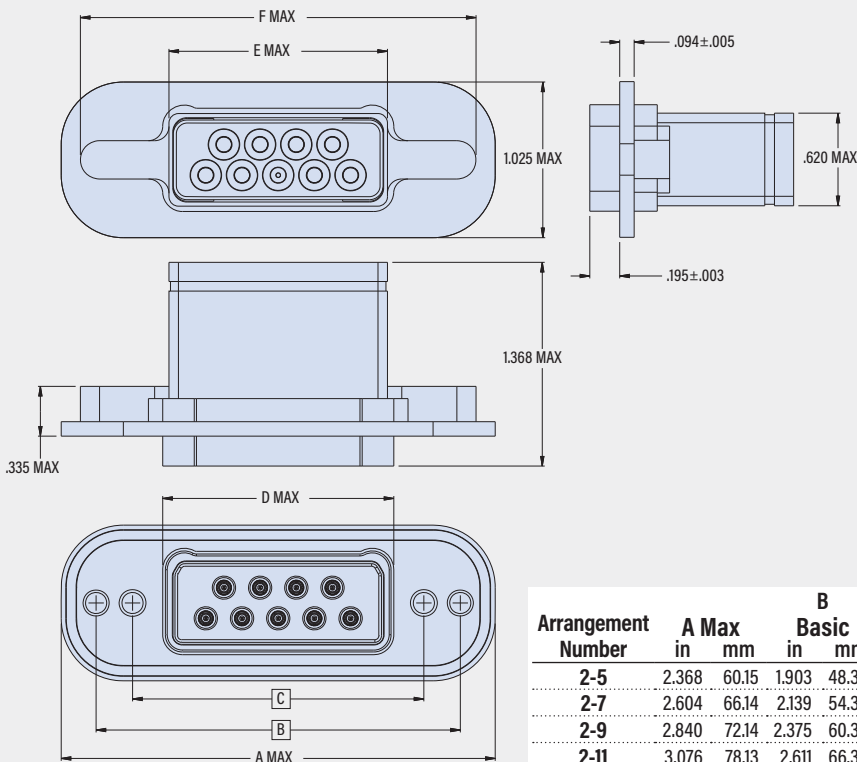


SINGLE ROW ARRANGEMENTS
 RECEPTACLE MATING FACE VIEW

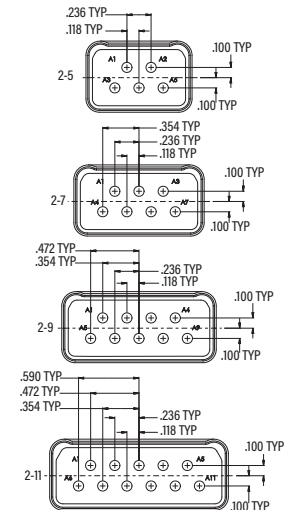


Arrangement Number	A Max		B Basic		C Basic		D Max		E Max		F Max	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
1-3	2.210	56.13	1.785	45.34	1.388	35.25	1.127	28.63	1.090	27.69	1.983	50.37
1-5	2.840	72.14	2.375	60.33	1.900	48.26	1.516	38.51	1.440	36.58	2.590	65.79
1-6	3.075	78.11	2.611	66.32	2.136	54.25	1.752	44.50	1.675	42.54	2.826	71.78

795-008P TWO ROW



TWO ROW ARRANGEMENTS
 RECEPTACLE MATING FACE VIEW



Arrangement Number	A Max		B Basic		C Basic		D Max		E Max		F Max	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
2-5	2.368	60.15	1.903	48.34	1.428	36.27	1.044	26.52	.968	24.59	2.118	53.80
2-7	2.604	66.14	2.139	54.33	1.664	42.27	1.280	32.51	1.204	30.58	2.354	59.79
2-9	2.840	72.14	2.375	60.33	1.900	48.26	1.516	38.51	1.440	36.58	2.590	65.79
2-11	3.076	78.13	2.611	66.32	2.136	54.25	1.752	44.50	1.676	42.57	2.826	71.78

SERIES 795 MULTI-PIN RF CONNECTORS

RF, Microwave, and mmWave Interconnects
SERIES 795 High-Density
 Multi-Port RF Rectangular Connectors



795-009S
 Cable Plug, Socket Contacts

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

SERIES 795 MULTI-PIN RF CONNECTORS



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).

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



- Part Number **852-159**
- 65 GHz, solder termination
- Accepts .047 semi-rigid or flexible coax cable

PART NUMBER

	795-009S	1-9	M	L
Base P/N	795-009S			
Arrangement No.	<p><i>See Table 1</i></p> <p>1-2 2 contacts</p> <p>1-3 3 contacts</p> <p>1-5 5 contacts</p> <p>1-7 7 contacts</p> <p>1-9 9 contacts</p> <p>2-5 5 contacts, two row</p> <p>2-9 9 contacts, two row</p> <p>2-13 13 contacts, two row</p> <p>2-17 17 contacts, two row</p>			
Material/ Finish	<p>M Alum/ Electroless Nickel</p> <p>MT Alum/ Nickel-PTFE</p>			
Hardware Option	<p><i>See Table 2</i></p> <p>L Jackscrews, Socket Head #8-32, non-removable</p> <p>K Extended Jackscrews Slot Head #8-32, non-removable</p> <p>S Low-Profile Socket Head Screwlock #8-32, non-removable</p> <p>T Extended Screwlock, Knurled Head #8-32, non-removable</p> <p>P Jackposts #8-32, with nut and lock washer</p> <p>N No Hardware .198 (5.0) diameter thru-holes</p>			

TABLE 1 ARRANGEMENT NUMBER

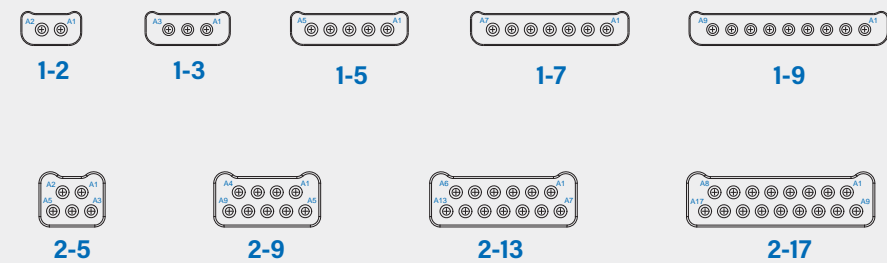
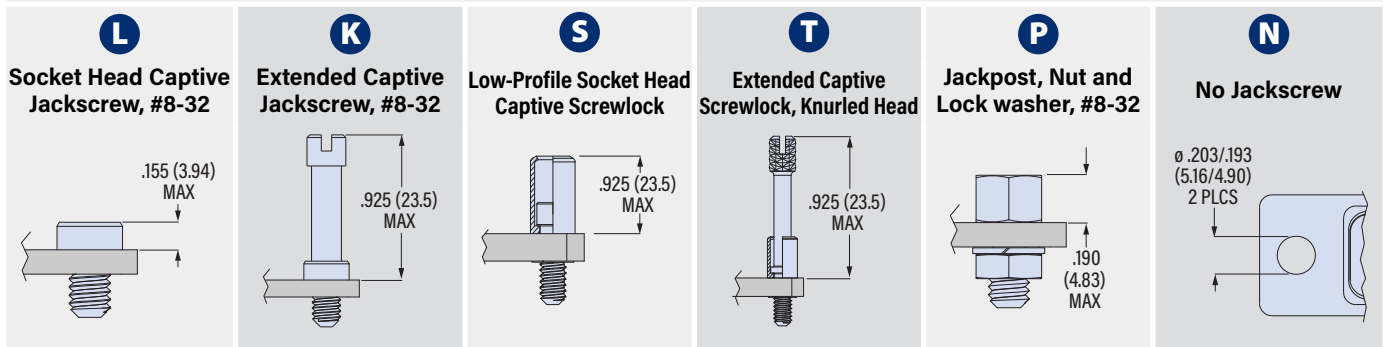


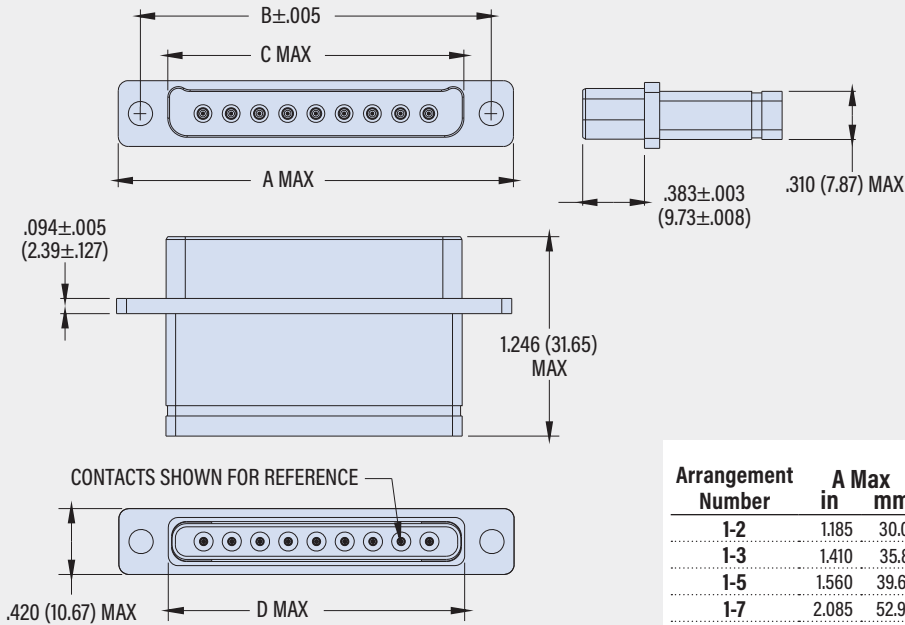
TABLE 2 HARDWARE OPTION



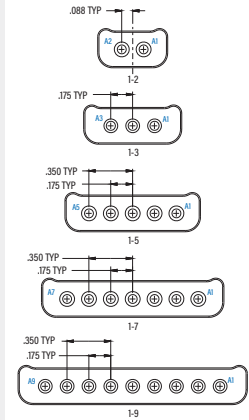
795-009S
 Cable Plug, Socket Contacts

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

795-009S SINGLE ROW

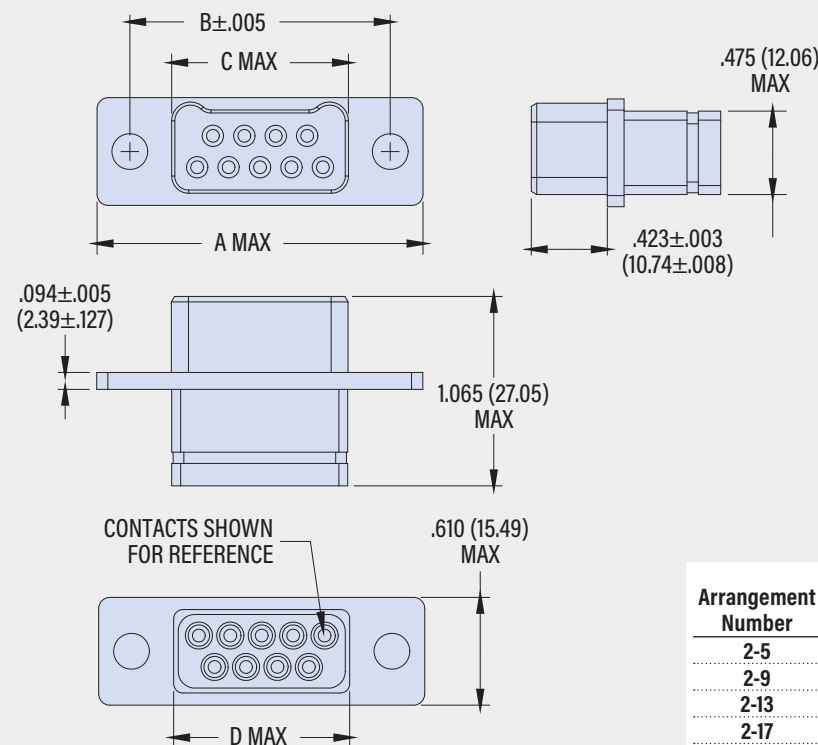


SINGLE ROW ARRANGEMENTS
 RECEPTACLE MATING FACE VIEW

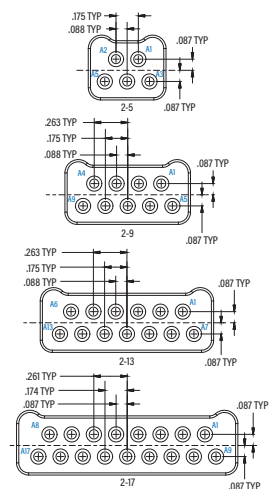


Arrangement Number	A Max		B ±.005 (0.13)		C Max.		D Max.	
	in	mm	in	mm	in	mm	in	mm
1-2	1.185	30.01	.900	22.86	1.045	26.54	.963	24.66
1-3	1.410	35.81	1.125	25.58	1.281	32.54	1.199	30.46
1-5	1.560	39.62	1.085	27.56	1.517	38.53	1.435	36.45
1-7	2.085	52.96	1.800	45.72	1.753	44.56	1.671	42.44
1-9	2.460	62.48	2.175	55.25	1.835	46.61	1.840	46.74

795-009S TWO ROW



TWO ROW ARRANGEMENTS
 RECEPTACLE MATING FACE VIEW



Arrangement Number	A Max		B ±.005 (0.13)		C Max.		D Max.	
	in	mm	in	mm	in	mm	in	mm
2-5	1.450	36.83	1.075	27.31	.615	15.62	.610	15.49
2-9	1.825	46.35	1.450	36.83	.990	25.15	.985	25.02
2-13	2.200	55.88	1.825	46.36	1.365	34.67	1.360	34.54
2-17	2.575	65.41	2.200	55.88	1.740	44.20	1.735	44.01

SERIES 795 MULTI-PIN RF CONNECTORS

795-010P
 Cable Receptacle, Pin Contacts

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

SERIES 795 MULTI-PIN RF CONNECTORS



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).

CONSTRUCTION

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

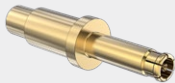
SPECIFICATIONS

- 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



- Part Number **852-133**
- 65 GHz, solder termination
- Accepts .047 semi-rigid or flexible coax cable

PART NUMBER

		795-010P	1-9	M	L
Base P/N	795-010P				
Arrangement No.	See Table 1 1-2 2 contacts 1-3 3 contacts 1-5 5 contacts 1-7 7 contacts 1-9 9 contacts 2-5 5 contacts, two row 2-9 9 contacts, two row 2-13 13 contacts, two row 2-17 17 contacts, two row				
Material/ Finish	M Alum/ Electroless Nickel MT Alum/ Nickel-PTFE				
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				

TABLE 1 ARRANGEMENT NUMBER

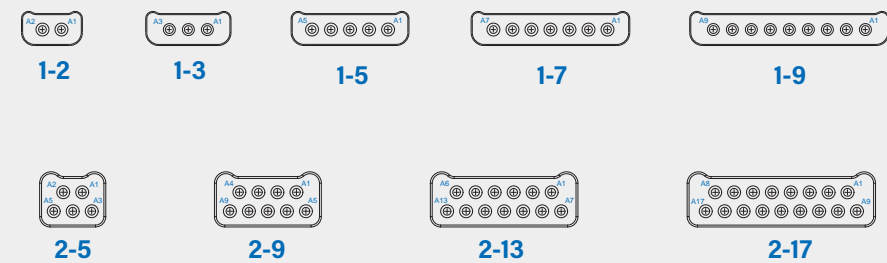
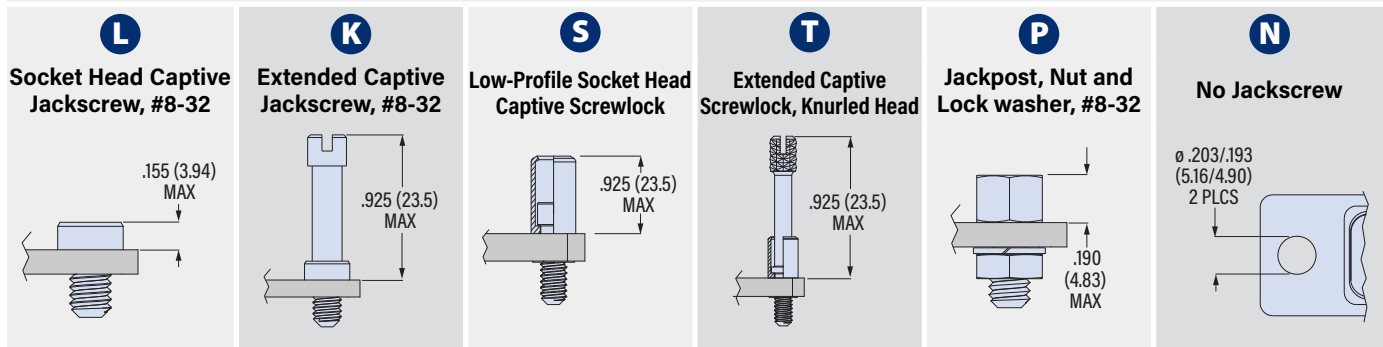


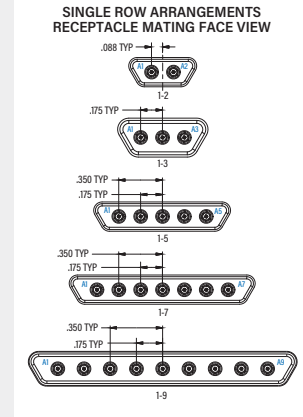
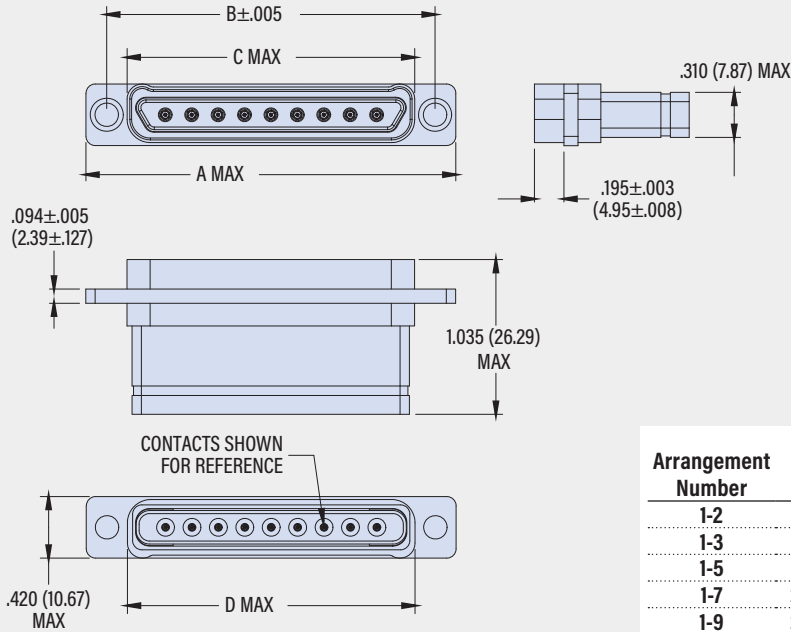
TABLE 2 HARDWARE OPTION



795-010P
 Cable Receptacle, Pin Contacts

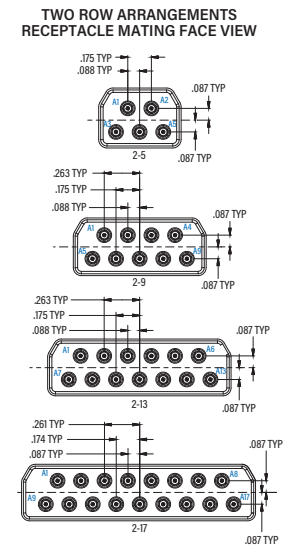
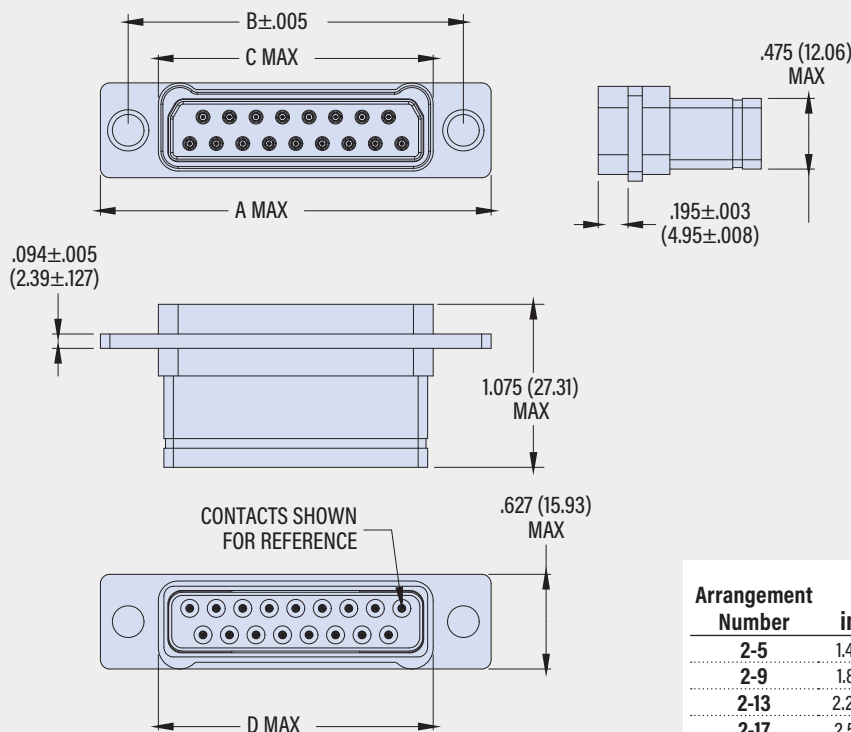
- Size #16 Contacts
- 65 GHz SMPS Coax
- All-Aluminum Body
- Environmental
- Two to Seventeen Ports
- Scoop-Proof

795-010P SINGLE ROW



Arrangement Number	B				C Max. in	C Max. mm	D Max. in	D Max. mm
	A Max in	A Max mm	±.005 (0.13) in	±.005 (0.13) mm				
1-2	1.185	30.01	.900	22.86	.635	16.13	.567	14.40
1-3	1.410	35.81	1.125	25.58	.860	21.84	.792	20.12
1-5	1.710	43.43	1.425	36.20	1.160	29.46	1.092	27.74
1-7	2.085	52.96	1.800	45.72	1.535	38.99	1.467	37.26
1-9	2.460	62.48	2.175	55.25	1.910	48.51	1.842	46.79

795-010P TWO ROW



Arrangement Number	B				C Max. in	C Max. mm	D Max. in	D Max. mm
	A Max in	A Max mm	±.005 (0.13) in	±.005 (0.13) mm				
2-5	1.450	36.83	1.075	27.31	.685	17.40	.610	15.49
2-9	1.825	46.35	1.450	36.83	1.060	26.92	.985	25.02
2-13	2.200	55.88	1.825	46.36	1.435	36.45	1.360	34.54
2-17	2.575	65.41	2.200	55.88	1.810	45.97	1.780	45.21

SERIES 795 MULTI-PIN RF CONNECTORS

795-011S
 Panel-Mount Plug, Socket Contacts

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

SERIES 795 MULTI-PIN RF CONNECTORS

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

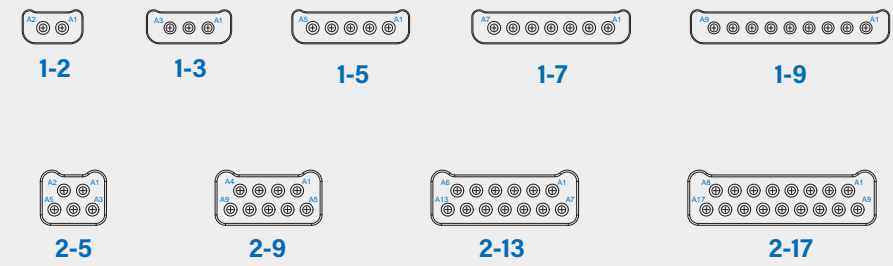


- Part Number **852-159**
- 65 GHz, solder termination
- Accepts .047 semi-rigid or flexible coax cable

PART NUMBER

	795-011S	1-2	M	P	N
Base P/N	795-011S				
Arrangement No.	See Table 1 1-2 2 contacts 1-3 3 contacts 1-5 5 contacts 1-7 7 contacts 1-9 9 contacts 2-5 5 contacts, two row 2-9 9 contacts, two row 2-13 13 contacts, two row 2-17 17 contacts, two row				
Material/ Finish	M Alum/ Electroless Nickel MT Alum/ Nickel-PTFE				
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)				

TABLE 1 ARRANGEMENT NUMBER

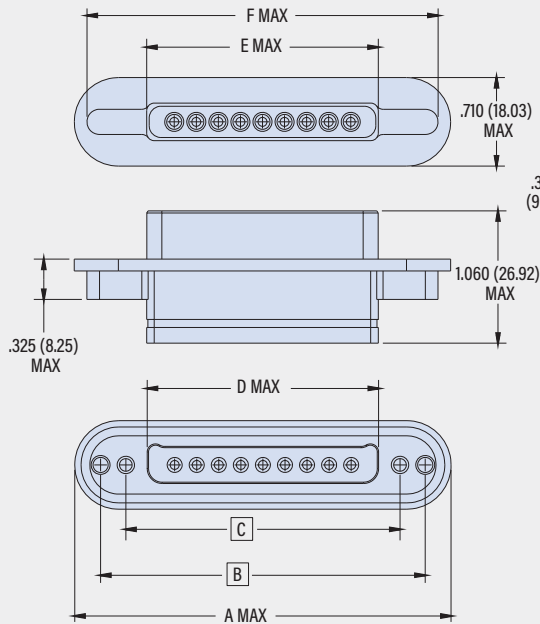


795-011S

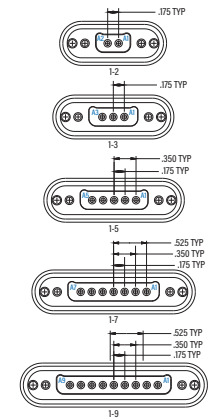
Panel-Mount Plug, Socket Contacts

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

795-011S SINGLE ROW

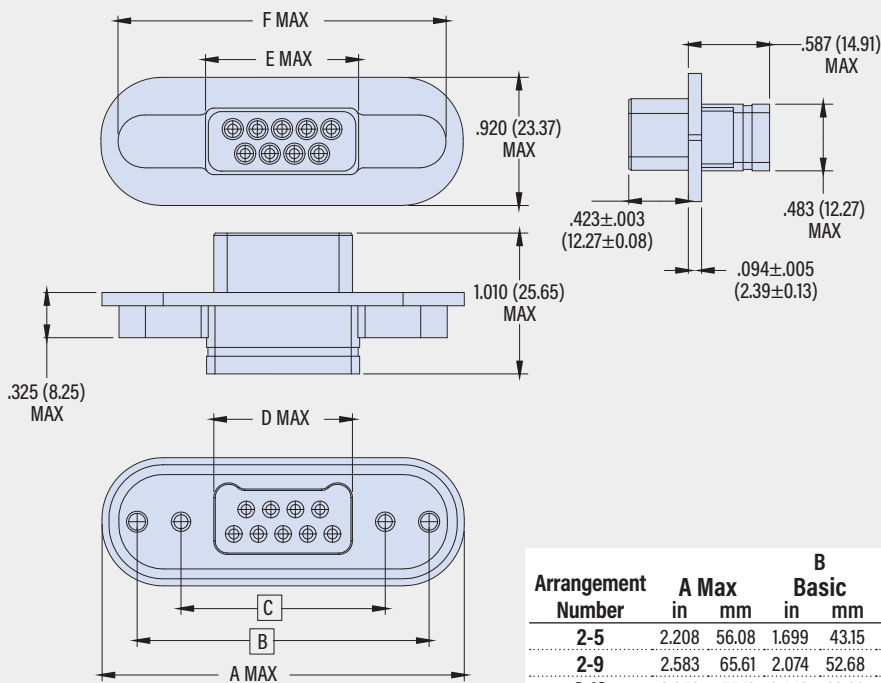


SINGLE ROW ARRANGEMENTS
RECEPTACLE MATING FACE VIEW

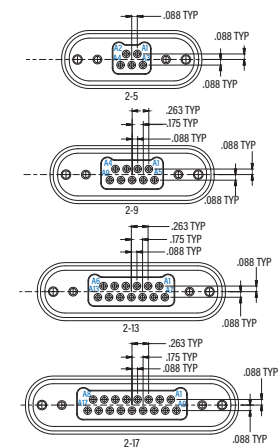


Arrangement Number	A Max		B ±.005 (0.13)		C Max.		D Max.	
	in	mm	in	mm	in	mm	in	mm
1-2	1.185	30.01	.900	22.86	1.045	26.54	.963	24.66
1-3	1.410	35.81	1.125	25.58	1.281	32.54	1.199	30.46
1-5	1.560	39.62	1.085	27.56	1.517	38.53	1.435	36.45
1-7	2.085	52.96	1.800	45.72	1.753	44.56	1.671	42.44
1-9	2.460	62.48	2.175	55.25	1.835	46.61	1.840	46.74

795-011S TWO ROW



TWO ROW ARRANGEMENTS
RECEPTACLE MATING FACE VIEW



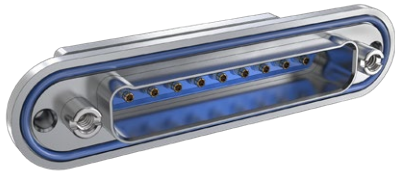
Arrangement Number	A Max		B Basic		C Basic		D Max	E Max		F Max		
	in	mm	in	mm	in	mm		in	mm	in	mm	
2-5	2.208	56.08	1.699	43.15	1.075	27.31	0.614	15.60	0.717	18.21	1.965	49.91
2-9	2.583	65.61	2.074	52.68	1.450	36.83	0.989	25.12	1.092	27.74	2.340	59.44
2-13	2.958	75.13	2.449	62.20	1.825	46.36	1.364	34.65	1.467	37.26	2.715	68.96
2-17	3.350	85.09	2.824	71.73	2.200	55.88	1.739	44.17	1.842	46.79	3.090	78.49

SERIES 795 MULTI-PIN RF CONNECTORS

795-012P
 Panel Mount Receptacle, Pin Contacts

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

SERIES 795 MULTI-PIN RF CONNECTORS



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).

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

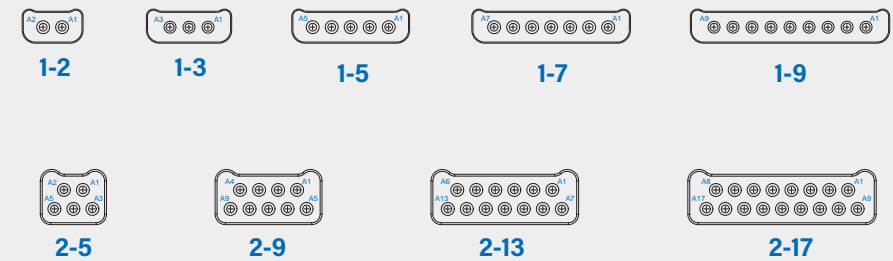


- Part Number **852-133**
- 65 GHz, solder termination
- Accepts .047 semi-rigid or flexible coax cable

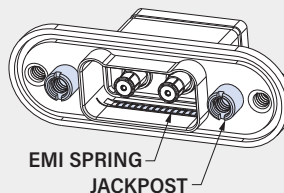
PART NUMBER

	795-012P	1-2	M	P	N
Base P/N	795-012P				
Arrangement No.	See Table 1				
	1-2 2 contacts				
	1-3 3 contacts				
	1-5 5 contacts				
	1-7 7 contacts				
	1-9 9 contacts				
	2-5 5 contacts, two row				
	2-9 9 contacts, two row				
	2-13 13 contacts, two row				
	2-17 17 contacts, two row				
Material/ Finish	M Alum/ Electroless Nickel				
	MT Alum/ Nickel-PTFE				
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)				

TABLE 1 ARRANGEMENT NUMBER



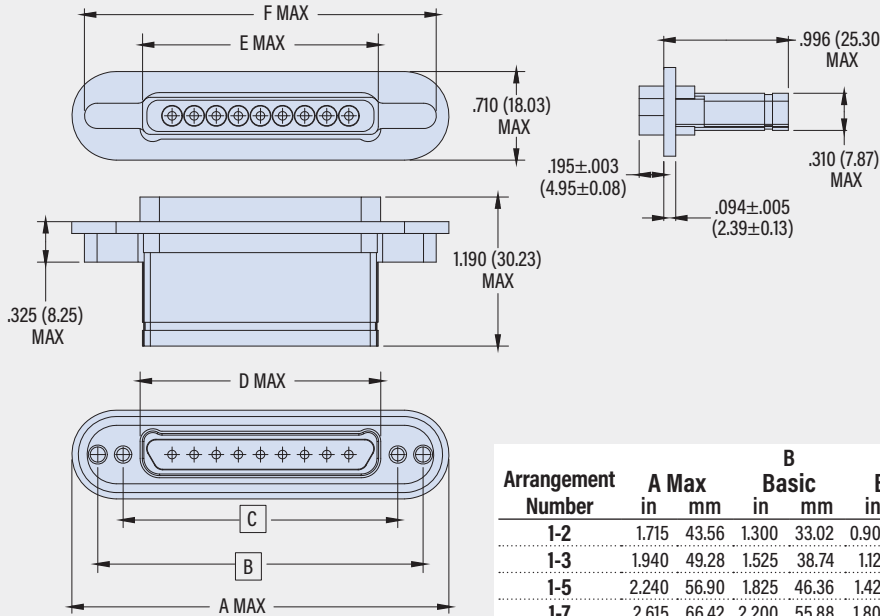
JACKPOST AND EMI SPRING



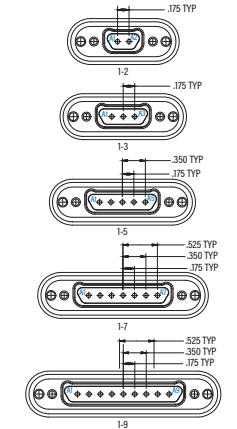
795-012P
 Panel Mount Receptacle, Pin Contacts

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

795-012P SINGLE ROW

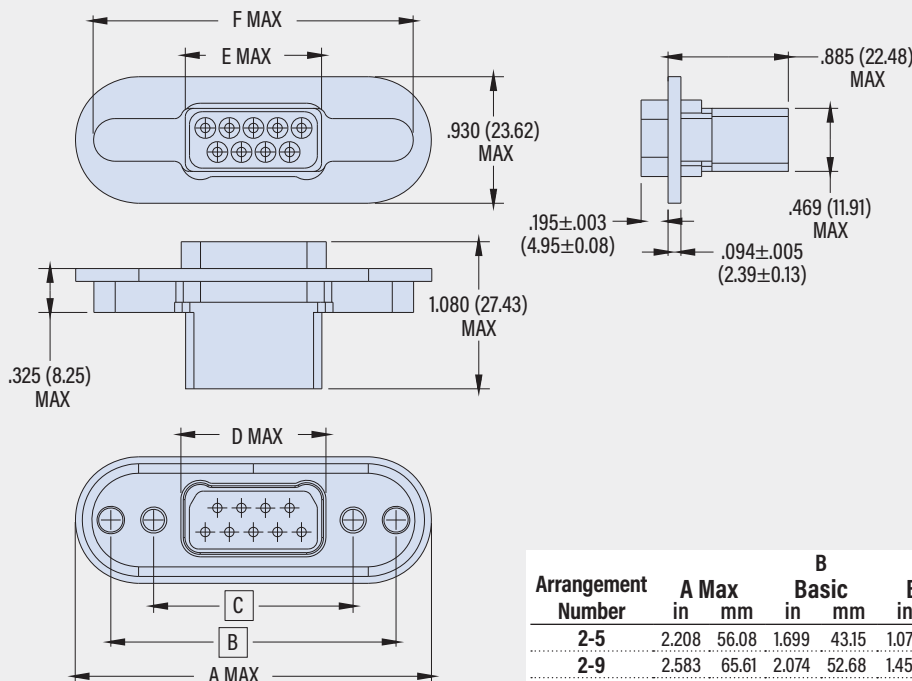


SINGLE ROW ARRANGEMENTS
 RECEPTACLE MATING FACE VIEW

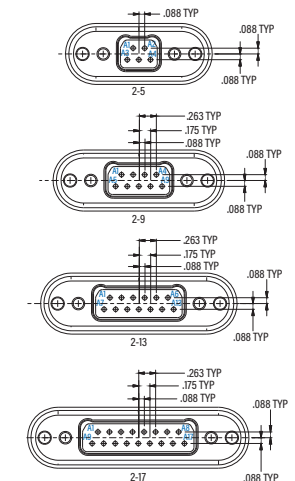


Arrangement Number	A Max		B Basic		C Basic		D Max		E Max		F Max	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
1-2	1.715	43.56	1.300	33.02	0.900	22.86	0.565	14.35	0.635	16.13	0.560	14.22
1-3	1.940	49.28	1.525	38.74	1.125	28.58	0.790	20.07	0.860	21.84	0.810	20.57
1-5	2.240	56.90	1.825	46.36	1.425	36.20	1.090	27.69	1.160	29.46	1.110	28.19
1-7	2.615	66.42	2.200	55.88	1.800	45.72	1.465	37.21	1.535	38.99	1.462	37.13
1-9	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 TWO ROW



SINGLE ROW ARRANGEMENTS
 RECEPTACLE MATING FACE VIEW



Arrangement Number	A Max		B Basic		C Basic		D Max		E Max		F Max	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
2-5	2.208	56.08	1.699	43.15	1.075	27.31	.684	17.37	.620	15.75	1.965	49.91
2-9	2.583	65.61	2.074	52.68	1.450	36.83	1.059	26.90	.995	25.27	2.340	59.44
2-13	2.958	75.13	2.449	62.20	1.825	46.36	1.434	36.42	1.370	34.80	2.715	68.96
2-17	3.350	85.09	2.824	71.73	2.200	55.88	1.809	45.95	1.745	44.32	3.090	78.49

SERIES 795 MULTI-PIN RF CONNECTORS

Panel Cutouts

SUPERNINE MULTI-PIN RF CONNECTORS

Recommended cutouts for Series 795 panel mount plug and receptacle connectors

