

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



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: .109" Max					
	16-2RF5	16-2RF9	16-2RF13	16-2RF17	
Max Freq: 65 GHz					

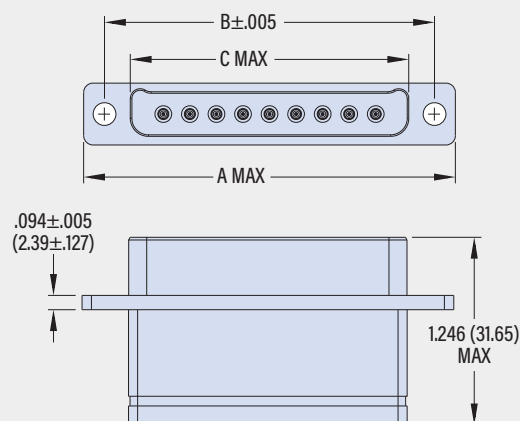
TABLE 2 HARDWARE OPTION

L Socket Head Captive Jackscrew, #8-32 .155 (3.94) MAX	K Extended Captive Jackscrew, #8-32 .925 (23.5) MAX	S Low-Profile Socket Head Captive Screwlock .925 (23.5) MAX	T Extended Captive Screwlock, Knurled Head .925 (23.5) MAX	P Jackpost, Nut and Lock washer, #8-32 .190 (4.83) MAX	N No Jackscrew ø .203/.193 (5.16/4.90) 2 PLCS
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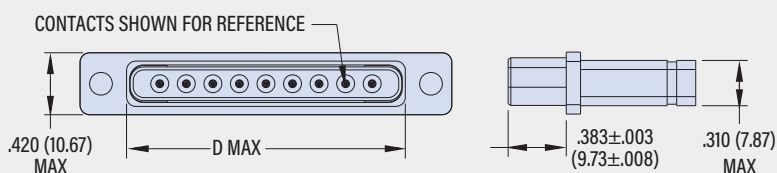
795-009S

Cable Plug, Socket Contacts

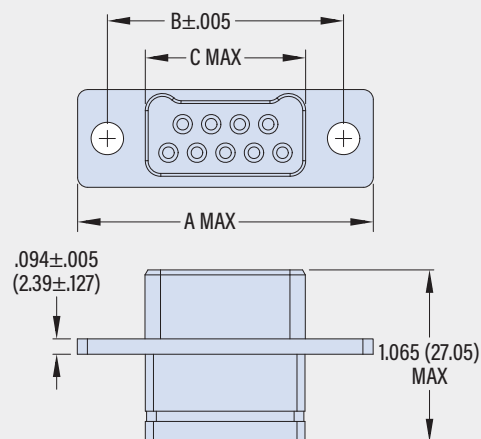
795-009S SINGLE ROW



Arrangement Number	A Max		B		C Max.		D Max.	
			±.005 (0.13)					
	in	mm	in	mm	in	mm	in	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	28.58	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		B		C Max.		D Max.	
			±.005 (0.13)					
	in	mm	in	mm	in	mm	in	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

