

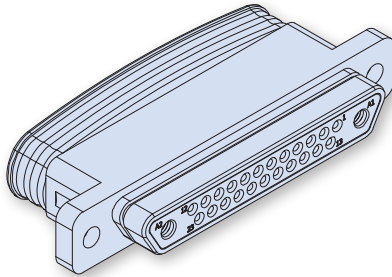
790-046S
Crimp Terminated Cable Plug Connector with
Integrated Banding Porch, Socket Contacts
How To Order



Series 79
Cable
Connectors

790-046S Cable Plugs

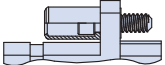
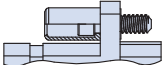
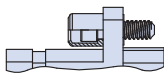
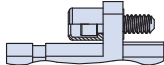
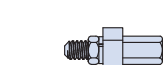
CRIMP SOCKET CONTACTS, INTEGRATED BANDING PORCH



Rugged, lightweight 790-046S connectors feature machined aluminum shells, fluorosilicone face seals and wire grommets for environmental protection. Contacts are rear-release snap-in crimp. Connectors are supplied with crimp contacts packaged separately. Size #23 signal pins accept up to #22 AWG wire. Size #16 contacts accept #16-18 AWG wire. Size #12 contacts accept #12-14 AWG wire. Size 12 and 16 cavities also accept coaxial contacts purchased separately. Connector shell features an integrated banding porch for attachment of EMI shielding.

HOW TO ORDER

Sample Part Number

790-046S	H-10P4	E	M	B
Base Part Number	Shell Size - Insert Arrangements	Ground Spring Option	Shell Finish	Mounting Hardware
790-046S Cable Plug with Crimp Socket Contacts and Integrated Banding Porch	See Table 1 for Available Insert Arrangements. To order a connector without size #16 or #12 power pins, substitute "W" instead of "P" in the insert arrangement. Example: 36P2 is supplied with 2 power pins. 36W2 is supplied less the power pins. See Section B for coaxial contacts purchased separately.	E EMI Ground Spring Supplied N Not Supplied	M Electroless Nickel <i>general purpose applications</i> MT Nickel-PTFE 1000 Hour Grey™ <i>maximum corrosion protection and durability (non-reflective grey)</i> ZNU Zinc-Nickel with Black Chromate <i>tactical applications (non-reflective black)</i> Additional shell finishes are listed on page C-9.	 B Thru-Hole, No Hardware  MF Low-profile captivated jackscrew, hex socket, floating  SF Low-profile captivated Jackscrew, slotted, floating  M Low-profile captivated jackscrew, hex socket, jacking  S Low-profile captivated Jackscrew, slotted, jacking  P Jackpost, female, with nut and split washer

SPECIFICATIONS

Current Rating	#23 5 AMPS, #16 13 A., #12 23 A.
Dielectric Withstanding Voltage	#23 750 VAC RMS, #12 and #16 1800 VAC RMS
Insulation Resistance	5000 megohms minimum
Operating Temperature	-65° C. to +150° C.
Shock	300 g.
Vibration	20 g.

MATERIALS AND FINISHES

Shell	Aluminum alloy
Contacts	Copper alloy, 50 microinches gold plated
Insulators	Liquid crystal polymer (LCP)
Retention Clips	Beryllium copper alloy
Interfacial Seal, Grommet	Fluorosilicone rubber
Hardware	300 series stainless steel

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

790-046S

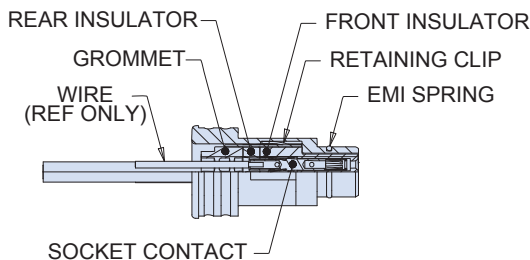
Crimp Terminated Cable Plug Connector with Integrated Banding Porch, Socket Contacts

Dimensions

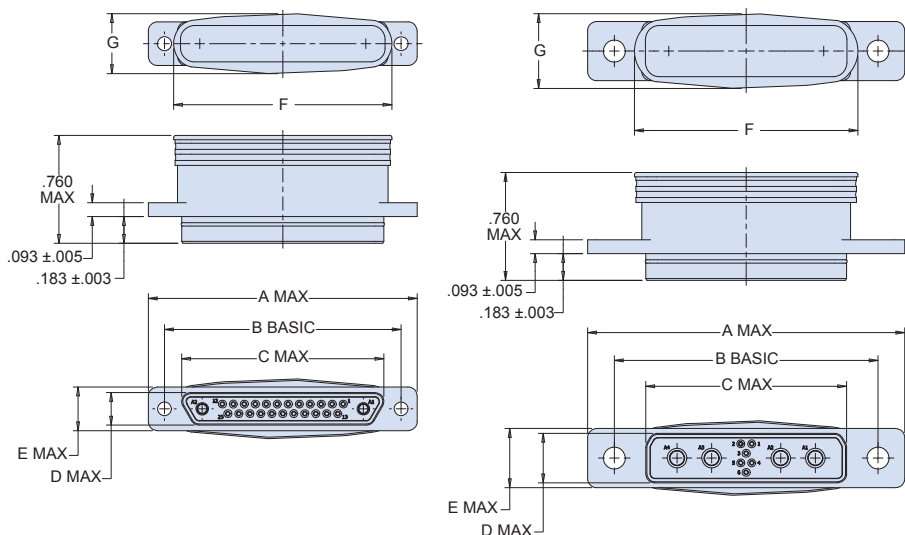
Table I Contact Arrangements

Layout	Contact Quantity		Face View
#23#16#12			
A-5	5		
B-2P2	2		
B-9	9		
C-13	13		
D-15	15		
D-3P3	3		
D-7P2	5	2	
E-11P2	9	2	
E-19	19		
E-7P3	4	3	
F-15P2	13	2	
F-23	23		
F-5P5	5		
G-33	33		
H-10P4	6	4	
H-29P7	22	7	
H-36P2	34	2	
H-54P2	52	2	
H-5P5		5	
H-66	66		
J-17P4	13	4	
J-25P2	23	2	
J-33	33		
J-7P7	7		
K-27P4	23	4	
K-35P2	33	2	
K-43	43		
K-9P9	9		
L-6P6		6	
L-78	78		
M-102	102		

CROSS-SECTIONAL VIEW OF 790-046S



790-046S Dimensions

SHELL SIZES A, B, C, D,
E, F, G, J, K

SHELL SIZES H, L, M

790-046S DIMENSIONS

Shell Size	A Max.		B Basic		C Max.		D Max.		E Max.		F Max.		G Max.	
	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
A	.785	19.94	.565	14.35	.335	8.51	.233	5.92	.308	7.82	.440	11.18	.360	9.14
B	.935	23.75	.715	18.16	.485	12.32	.233	5.92	.308	7.82	.590	14.99	.370	9.40
C	1.085	27.56	.865	21.97	.635	16.13	.233	5.92	.308	7.82	.740	18.80	.390	9.91
D	1.185	30.10	.965	24.51	.735	18.67	.233	5.92	.308	7.82	.840	21.34	.400	10.16
E	1.335	33.91	1.115	28.32	.885	22.48	.233	5.92	.308	7.82	.990	25.15	.400	10.16
F	1.485	37.72	1.265	32.13	1.035	26.29	.233	5.92	.308	7.82	1.140	28.96	.410	10.41
G	1.435	36.45	1.215	30.86	1.010	25.65	.320	8.13	.395	10.03	1.130	28.70	.490	12.45
H	2.175	55.25	1.800	45.72	1.385	35.18	.349	8.86	.410	10.41	1.525	38.74	.510	12.95
J	1.845	46.86	1.615	41.02	1.390	35.31	.233	5.92	.308	7.82	1.490	37.85	.410	10.41
K	2.240	56.90	2.015	51.18	1.795	45.59	.233	5.92	.308	7.82	1.890	48.01	.430	10.92
L	2.420	61.47	2.036	51.71	1.623	41.22	.349	8.86	.410	10.41	1.760	44.70	.520	13.21
M	2.575	65.41	2.200	55.88	1.675	42.55	.407	10.34	.470	11.94	1.825	46.36	.590	14.99

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

Mouser Electronics

Authorized Distributor

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