



Series 79 Micro-Crimp Connectors



Cable Plug

Crimp Receptacle

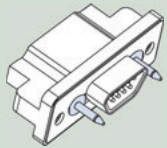
MICRO-CRIMP™

- Crimp, PCB, fiber optic, coax, power, and pitot combo layouts
- Precision machined aluminum shells sealed to IP67
- High-density #23 contact contact arrangements set on .076 centers
- Blind mating for rack and panel applications
- Over 30 tooled contact arrangements
- Integrated ground spring for improved EMI shielding

Circular versions of the Micro-Crimp (Series 80 Mighty Mouse) are also available, see page B-2

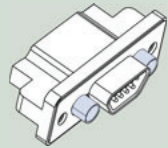
The high-performance rectangular with advanced EMC and environmental performance

Blind Mate Guide Pins and Sockets



Guide Pins

Connector may be supplied with stainless steel non-removable guide pins.



Guide Sockets

Connector may be supplied with stainless steel non-removable bushings.

Selected Contact Types



Standard Signal

Power

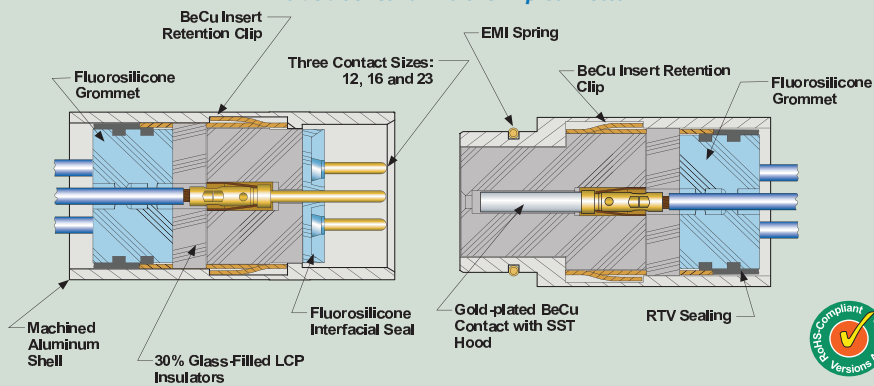
Coaxial

Differential Twinax

Fiber Optic

Pitot Tube

Inside a Series 79 Micro-Crimp Connector



Series 79 Micro-Crimp Connectors

Materials and Finishes

Size #23 signal contacts	Copper alloy, plated gold over nickel
Size #16 and #12 signal/power contacts	Copper alloy, plated gold over nickel
Fiber optic contacts	Ferrule: Zirconia ceramic; Terminus assembly/spring: Stainless steel
Pitot tube contacts	Body and cap: Stainless steel; O-Ring: Fluorosilicone; Washers: PTFE
Insulators	Liquid crystal polymer, 30% glass-reinforced
Shell	Aluminum alloy
Interfacial seal and grommet	Fluorosilicone
Contact and insert retention clips	Beryllium copper, heat-treated, unplated
Jackposts and guide pins	Stainless steel, passivated
EMI Shroud for right angle PCB	Aluminum alloy
Trays for right angle PCB	Thermoplastic
Spring, EMI (plug)	Stainless steel or beryllium copper alloy, gold plated

Basic Specifications

Current rating	Contact size #23 5 Amps, size #16 13 Amps, size #12 23 Amps maximum
Voltage rating (DWV)	Contact size #23 500 VAC rms, size #16 and #12 1800 VAC rms. Sea level.
Insulation resistance	5000 megohms minimum
Operating temperature	-65° C. to +150° C.
Contact resistance	5 milliohms maximum
Water ingress protection	IP67
Shielding effectiveness	>75 dB attenuation from 100 MHz to 1000MHz, >60dB 1GHz to 4GHz, >40dB 4GHz to 10GHz.

Shell Size	Contact Arrangement	Contact Quantity		
		#23	#16	#12
A	A-5	5	—	—
	B-2P2	—	2	—
B	B-9	9	—	—
	C-13	13	—	—
D	D-15	15	—	—
	D-3P3	—	3	—
	D-7P2	5	2	—
E	E-11P2	9	2	—
	E-19	19	—	—
	E-7P3	4	3	—

Shell Size	Contact Arrangement	Contact Quantity		
		#23	#16	#12
F	F-15P2	13	2	—
	F-23	23	—	—
	F-5P5	—	5	—
G	G-33	33	—	—
H	H-10P4	6	—	4
	H-29P7	22	7	—
	H-36P2	34	—	2
	H-54P2	52	2	—
I	I-5P5	—	—	5
	I-66	66	—	—

Shell Size	Contact Arrangement	Contact Quantity		
		#23	#16	#12
J	J-17P4	13	4	—
	J-25P2	23	2	—
	J-33	33	—	—
K	J-7P7	—	7	—
	K-27P4	23	4	—
	K-35P2	33	2	—
	K-43	43	—	—
L	K-9P9	—	9	—
	L-6P6	—	—	6
M	L-78	78	—	—
	M-102	102	—	—

Series 79 Micro-Crimp Product Selection Guide

