

Datamate Metal Backshells

Wire-to-Board connector accessories

Connector enhancement and new build solutions

Datamate Metal Backshells are designed to provide EMI / RFI screening. The female cable versions include attachment features for screening braid, providing strain relief and mechanical protection for additional performance improvements.

These fully machined metal backshells are made from aluminium alloy with electroless nickel plating. They suit most applications, and offer significant cost savings over comparable Micro-D options.

Features and Benefits	
Cable-to-board and panel mount options	Wide range of products to support a broad spectrum of customers and applications
Datamate Metal backshells are machined from aluminium alloy billets	This construction ensures reliability, strength and performance
Can be used with J-Tek or Mix-Tek Datamate Connectors	Sold as accessories to further enhance connector performance levels
Made-to-order	Low MOQ's and fast turnaround
Single large elliptical straight cable entry port for cable connectors	Accepts signal, coax and power cable for varied requirements
Braid retention feature at cable entrance	Suitable for metallic and non-metallic conductive braids
Overall screen termination by stainless steel micro-band	Ensures electrical and mechanical longevity and security

Key Applications	
Aviation	Avionics, Aircraft Infotainment, Radar
Motorsport and Transport	Navigation, GPS, Tracking
Energy	Oil, Gas and Renewable Sources
Industrial	Drives and Controls, Robotics
Space	Satellites, CubeSat, Launch Systems, Radar and Communications
Defence and Security	Wi-Fi Antennas, Routers, Radio Communications and Radar



Metal Backshell applied to J-Tek female crimp connector

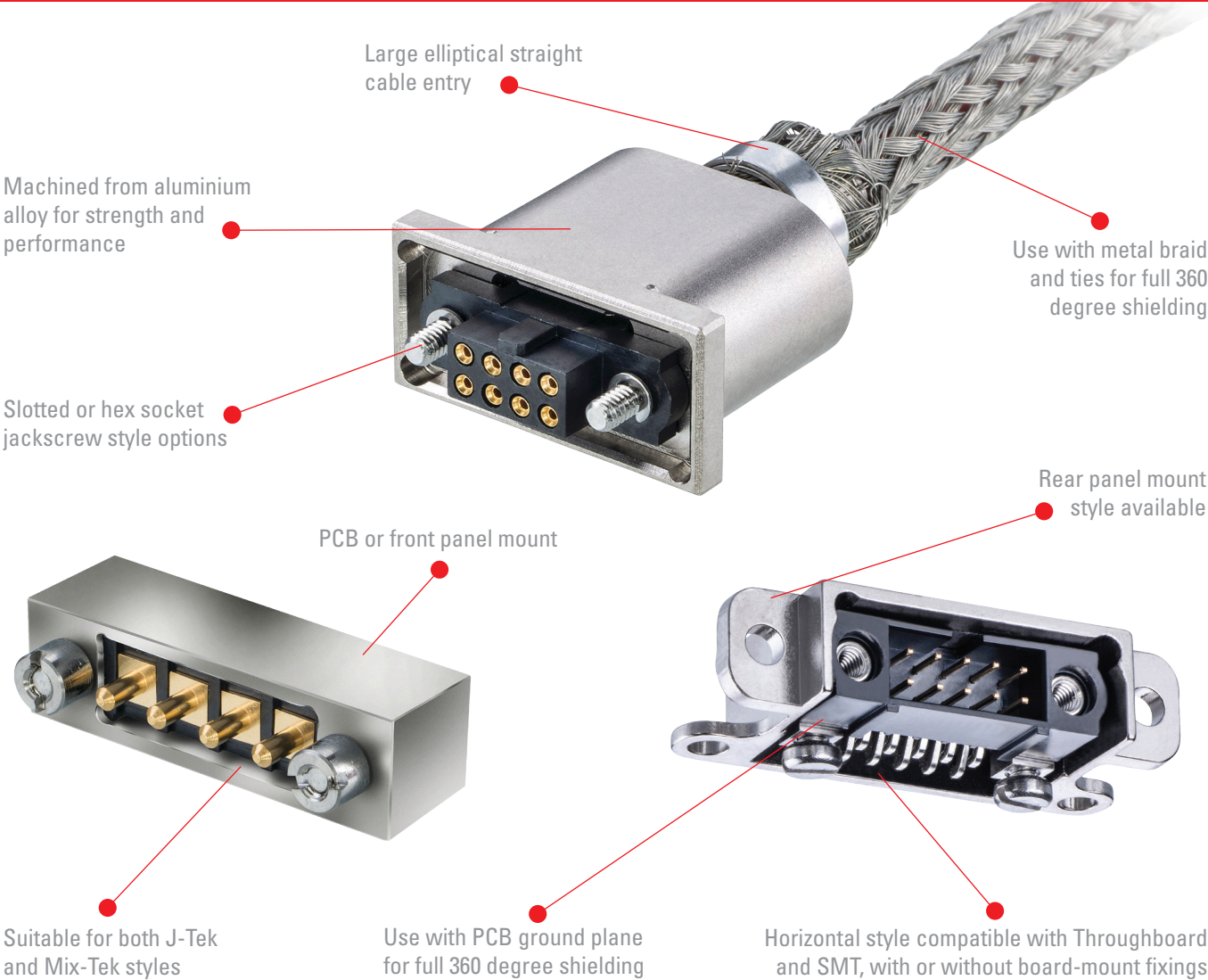


J-Tek Male panel mount crimp connector



J-Tek Male horizontal PCB mount connector

Product Features



Specifications		
Electrical	Mechanical	
RF Attenuation = 100kHz to 400MHz averages 30dBs in general accordance with MIL STD 1377 (1971). Test performed on mated connectors - see HT079xx for full details	Temperature Range	-55°C to +125°C
	Backshells	Aluminium Alloy, Nickel plated
	Jackscrews	Stainless steel
	Circlips	Stainless steel
Refer to partnered connector for other electrical specifications	Micro-Band	Stainless steel, sold separately

Cable backshells are suitable for wires 12AWG and smaller, due to size of cable entry

How to Order

Female Cable Backshells

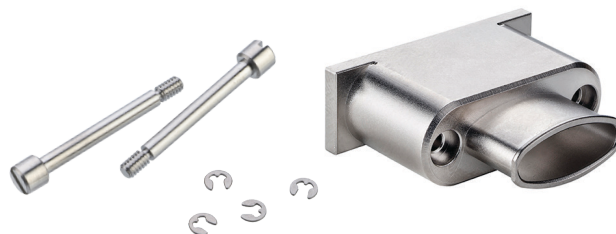
M80 - 94 X XX 02

JACKSCREW HEAD STYLE

5	Slotted head
6	Hex Socket head

SIZE

See Table Below

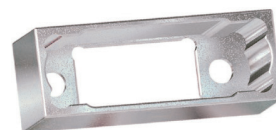


Male Vertical/Panel Mount Backshells

M80 - 906 XX 02

SIZE

See Table Below



Male Horizontal Backshells

M80 - 90 X XX 02

STYLE

4	Without rear panel mount
5	With rear panel mount

SIZE

See Table Below



Micro-Band (for securing cable braid)

M80 - 94 X 0000

LENGTH

7	206.8mm
8	362.0mm



Size Table (see Order Codes above)

Size	Total No. of Signal contacts (J-Tek)	No. of Power or Coax contacts (Mix-Tek)
04	4	
06	6	
08	8	2
10	10	
12	12	3
14	14	
16	16	4
18	18	
20	20	5
22	22	
24	24	6
26	26	

Size	Total No. of Signal contacts (J-Tek)	No. of Power or Coax contacts (Mix-Tek)
28	28	7
30	30	
32	32	8
34	34	
36	36	9
38	38	
40	40	10
42	42	
44	44	11
46	46	
48	48	12
50	50	

Check www.harwin.com for availability in all styles

Mounting Accessories



M80-2430000B
Hex Nut



M80-2130000B
Slotted Nut



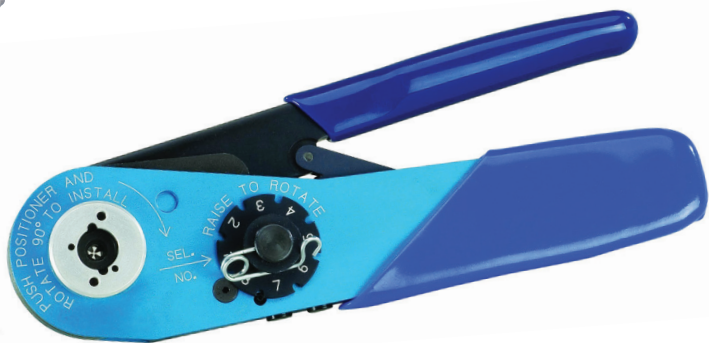
M80-2320000B
5mm Hex Socket Bolt



M80-2270000B
5mm Slotted Bolt

Related Products:

- Cable assembly facility
- Dummy signal contacts
- Crimp & insertion tooling
- Metal backshells
- Slotted Screwdriver and Hex Drivers



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