

Datamate J-Tek Hi-Rel Connectors

Secure & Robust 2mm Pitch Connectors for demanding applications

Achieve high-reliability performance in extreme conditions with the Datamate J-Tek miniature connector range. Ensure continuous signal integrity under vibration and shock conditions, with robust stainless steel jackscrews providing secure connection and maximum strain relief.

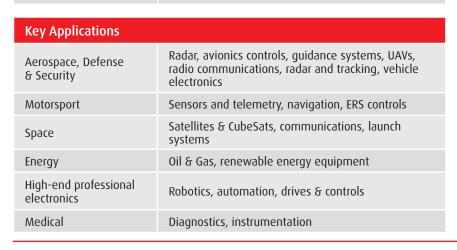
Specify your choice of Throughboard, Surface Mount or Crimp termination for all variations of board-to-board, cable-to-board or cable-to-cable. The double row design is available in sizes up to 50 contacts and gives you a low-profile connection suitable for many demanding applications.

With quick delivery from stock for popular styles, take advantage of this in-depth range for all your high performance needs.



101Lok vertical 12 contact female throughboard connector: M80-4T11242FD

Features and Benefits					
3A per signal contact (all electrically loaded; 3.3A per individual contact) at 2mm pitch	Capable of signal and low power within a compact design, saving PCB real estate				
Proven 4-finger female contact design	Maintains electrical continuity through high vibration and shock environments				
Beryllium Copper Contact with -55°C to +125°C temperature range	Rugged and durable connector design for demanding applications				
500 Mating cycles durability	Suitable for both fit-and-forget and multiple testing & replacement cycles				
World-class quality from the Original Designers of Datamate	Published test reports, proven track record, high quality requirements through the complete production cycle				
Many popular products available from stock	20-day leadtimes on extended ranges, stock availability visible online				





Female 10 contact cable connector with floating hex socket jackscrews: M80-4601005

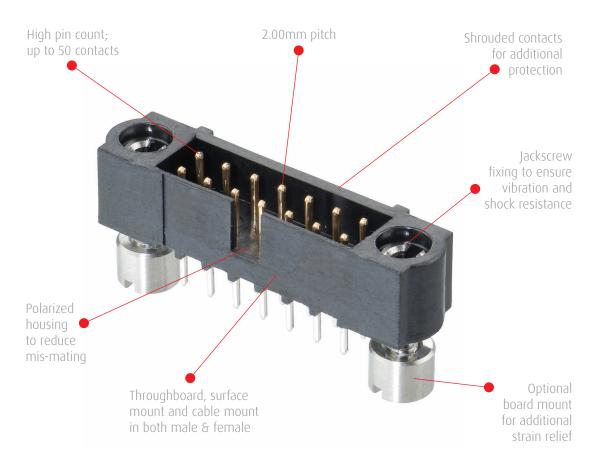


10 pin male horizontal throughboard connector with board mount: M80-5401042



HARWIN

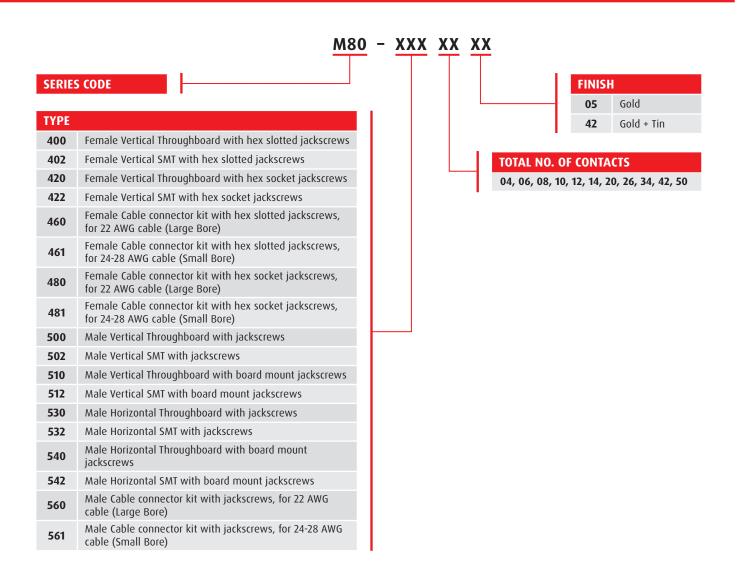
Product Features



Specifications						
Electrical		Mechanical		Physical		
Current Rating	3A per contact	Number of Mating Cycles	500	Housing	Glass filled PPS, UL94V-0	
Working Voltage	800V AC/DC	Temperature Range	-55°C to +125°C	Contacts	Copper alloy, Gold or selective gold/tin plating	
Maximum Voltage	1200V AC/DC	Insertion force	2.0N max	Jackscrews	Stainless steel	
Contact Resistance	25 mΩ max	Withdrawal force	0.2N min			
Insulation Resistance	100MΩ min	Vibration	10G, 6 hours total			



How to Order



Other Options Available:

- Extra Small Bore contacts suitable for 28-32AWG cable
- 3 Rows up to 96 contacts
- T-Contact up to 8.5A power per contact in the same 2mm pitch housing
- Metal Backshells additional shielding for complete EMC solutions
- 101Lok fixings quarter-turn fast assembly bayonet fixings
- Guide pin female jackscrews for blind-mating operations

- Reverse Fix jackscrews typically used for mating female PCB connectors to male cable connectors
- Extended Wall housings for the application of backpotting epoxy resin at the cable exit
- Plastic Backshells/Hoods to aid with manual assembly and external applications
- Trio-Tek open crimp design suitable for automated crimping
- Longer termination throughboard, for PCB thicknesses up to 3.2mm





Harwin Europe (Global Headquarters)
Portsmouth, Hampshire, UK
E: mis@harwin.co.uk
T: +44 (0)23 9231 4545

Harwin Inc (Americas)

New Albany, Indiana, USA E: mis@harwin.com T: +1 603 893 5376

Harwin Asia Pte Ltd (Asia, Australasia)

Singapore

E: mis@harwinasia.com T: +65 6 779 4909