

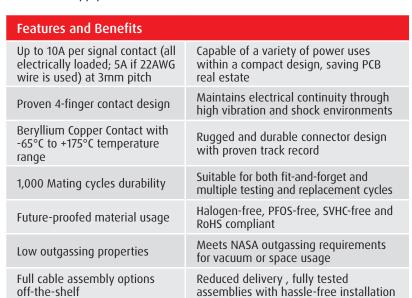
M300 10A Hi-Rel Connectors

Power Connectors with reliable performance in harsh applications

Specify Harwin's M300 range of high reliability and performance connectors for your aerospace, defense, industrial or other harsh environment application.

Achieve a compact power connection with up to 10A per contact, giving you a lightweight robust solution with a proven track record under extreme conditions. Guard against vibration and shock with fitted stainless steel jackscrews.

Future-proof your designs with halogen-free, RoHS compliant materials and low outgassing levels. These 3mm pitch PCB connectors, crimp cable connectors and ready-made cable assemblies are available from stock across the Harwin supply network.



Key Applications	
Aerospace, Defense & Security	Radar, avionics controls, guidance systems, UAVs, engine power management, vehicle electronics
Motorsport & Transport	Navigation, ERS controls, GPS and telemetry system
Space	Satellites & CubeSats, communications, launch systems, radar and communications
Industrial	Robotics, automation, drives & controls
Energy	Oil & Gas, renewable energy equipment



6-contact male vertical throughboard PCB connector



10-contact male cable connector

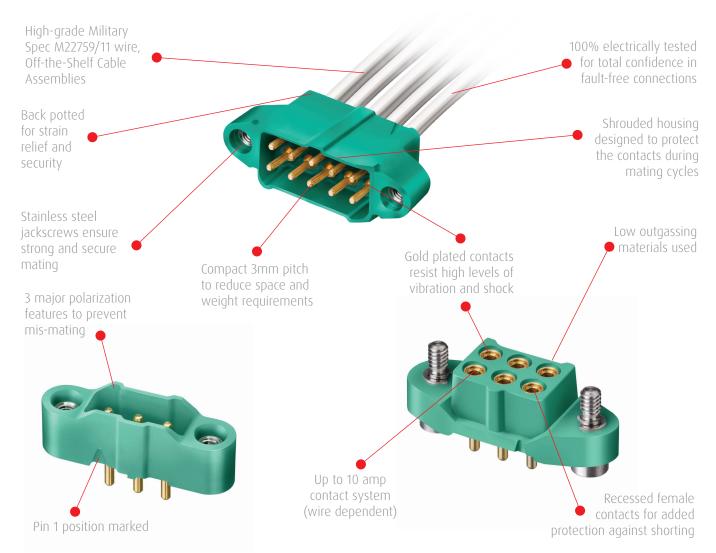


3-contact female vertical throughboard PCB connector with recessed contacts



HARWIN

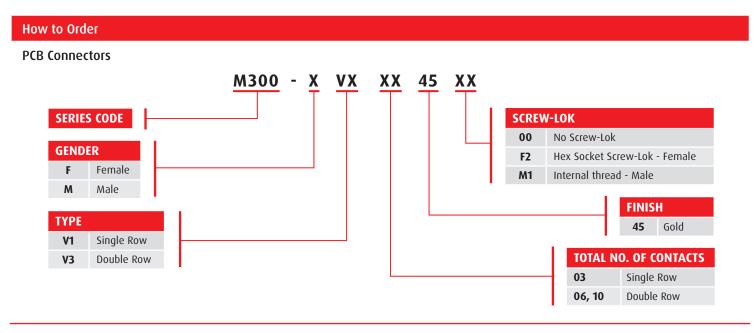
Product Features



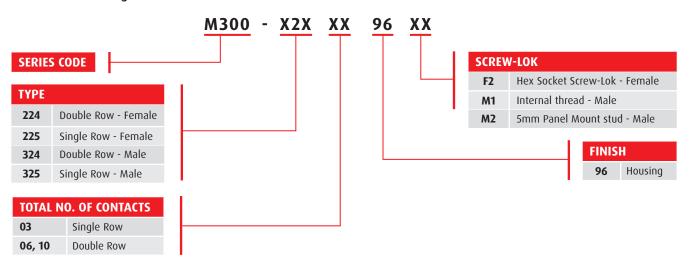
Specifications						
Electrical		Mechanical		Physical		
Current Rating	10A per contact (5A with 22AWG wire)	No. of Operations	1000	Housing	30% GF PA4T	
Working Voltage	600V AC/DC	Insertion Force	9N max per contact	Contacts	Copper alloy, Gold over nickel plated	
Maximum Voltage	1800V AC/DC	Withdrawal Force	1N min per contact	Jackscrews, Circlip	Stainless steel	
Contact Resistance	6mΩ Max	Temperature Range	-65°C to +175°C	Wire	M22759/11 (18, 20, 22 AWG)	
Insulation Resistance	100MΩ min at 100V DC	Vibration	10G for 9 hours			



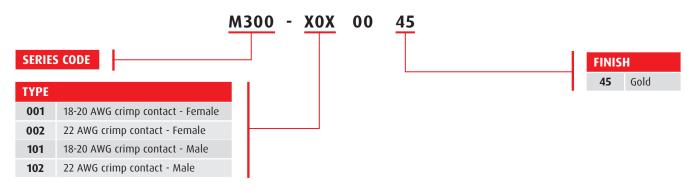




Cable Conductor Housing



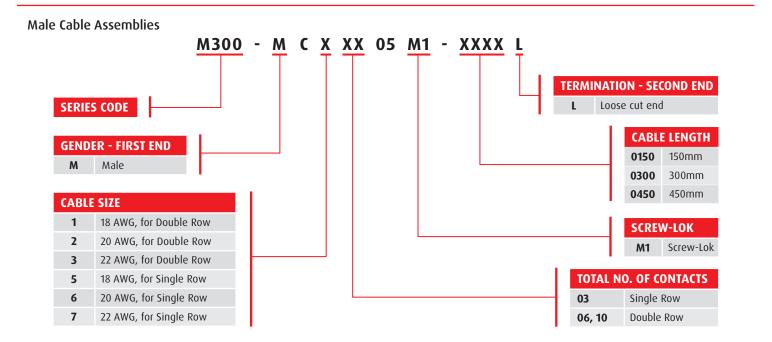
Crimp Contacts







How to Order Female Cable Assemblies M300 - F C X XX 05 F2 - XXXX L TERMINATION - SECOND END Loose cut end **SERIES CODE CABLE LENGTH GENDER - FIRST END** 0150 150mm Female 0300 300mm 0450 450mm **CABLE SIZE** 18 AWG, for Double Row **SCREW-LOK** 2 20 AWG, for Double Row Hex Socket Screw-Lok 22 AWG, for Double Row 3 TOTAL NO. OF CONTACTS 5 18 AWG, for Single Row Single Row 6 20 AWG, for Single Row 03



CONTACT US

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22 AWG, for Single Row

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Double Row

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