Product Summary



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.



6-contact male vertical throughboard PCB connector

Features and Benefits

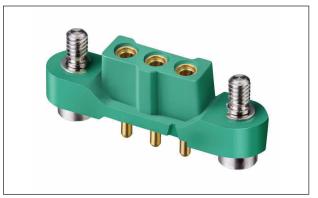
apable of a variety of power uses ithin a compact design, saving PCB al estate
aintains electrical continuity through gh vibration and shock environments
ugged and durable connector design ith proven track record
uitable for both fit-and-forget and ultiple testing and replacement cycles
alogen-free, PFOS-free, SVHC-free and DHS compliant
eets NASA outgassing requirements r vacuum or space usage
educed delivery , fully tested ssemblies with hassle-free installation

Key Applications

ney ripplied tons	
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



10-contact male cable connector



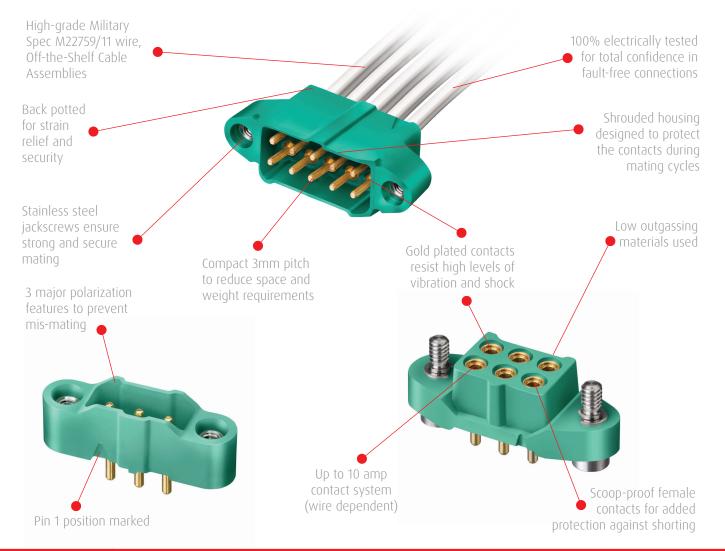
3-contact female vertical throughboard PCB connector with scoop-proof mating face



www.harwin.com/m300



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						

M300

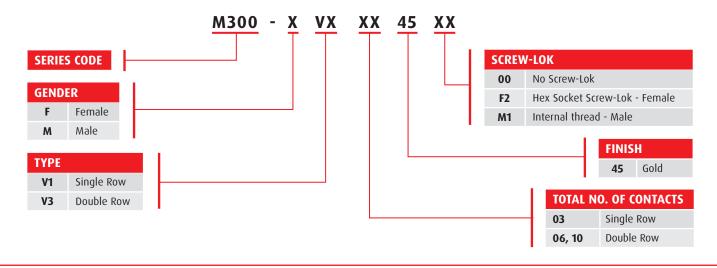
www.harwin.com/m300



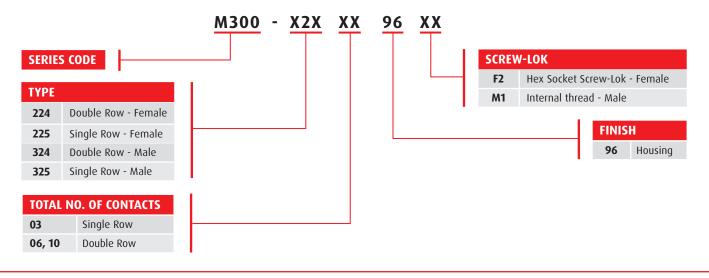
M30C

How to Order

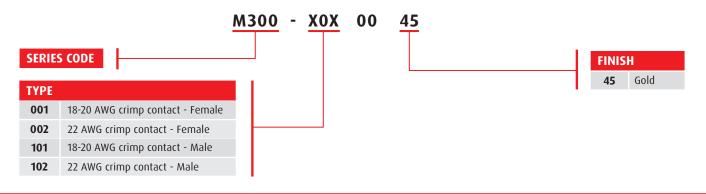
PCB Connectors



Cable Conductor Housing



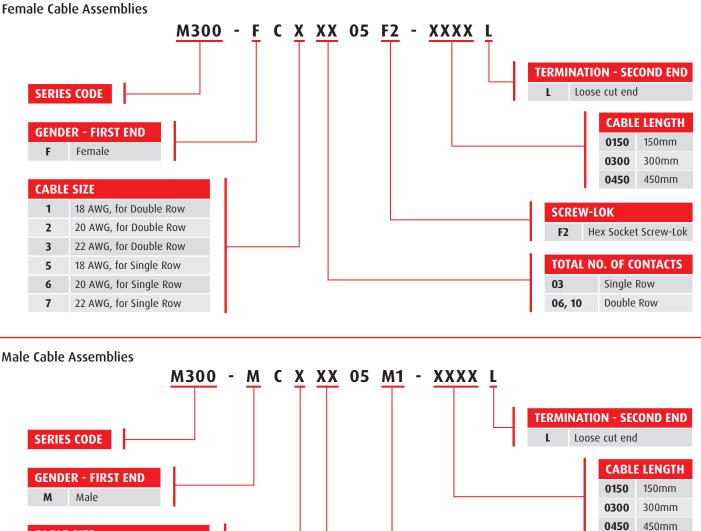
Crimp Contacts



www.harwin.com/m300



How to Order



Μ	Male				
		1			
ABLE	SIZE				
1	18 AWG, for Double R	low			
2	20 AWG, for Double R	Row			
3	22 AWG, for Double R	Row			. 1
5	18 AWG, for Single Ro	0W			TOTAL
6	20 AWG, for Single R	W			03
7	22 AWG, for Single Ro	w			06, 10

CONTACT US

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

REW-LOK Screw-Lok

CONTACTS

www.harwin.com