



Energy, Oil & Gas – Why Harwin?

Whether your energy industry is in the traditional Oil and Gas sector, or the newer sustainable energy market, Harwin has connector products and PCB hardware suitable for all energy creation and distribution equipment.




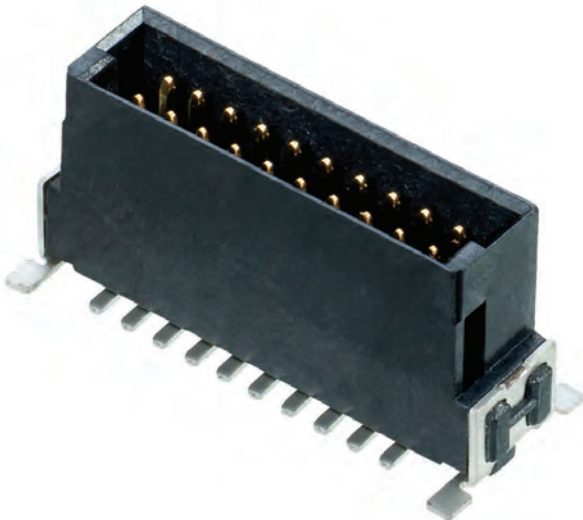
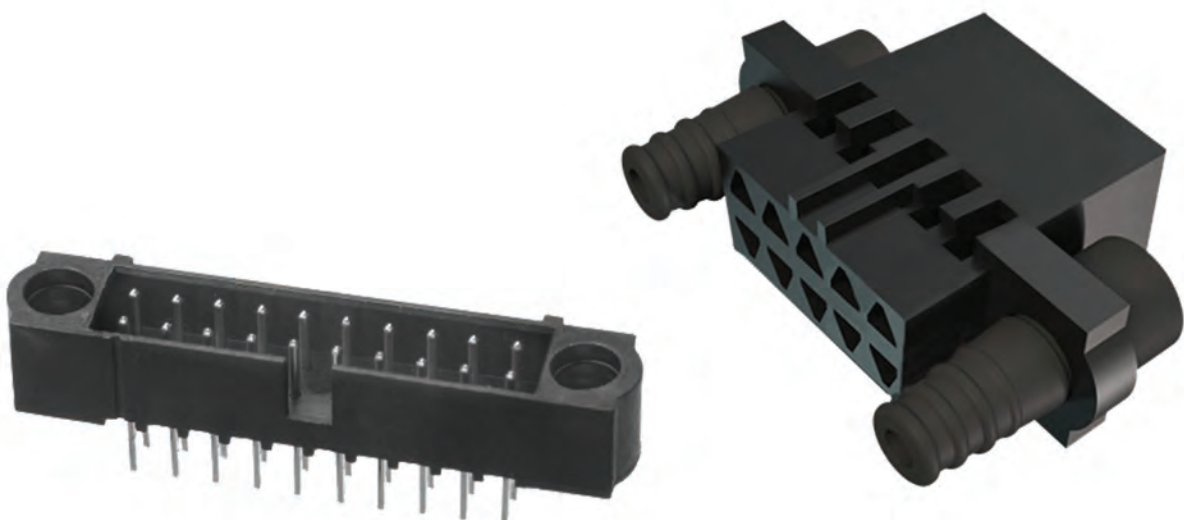
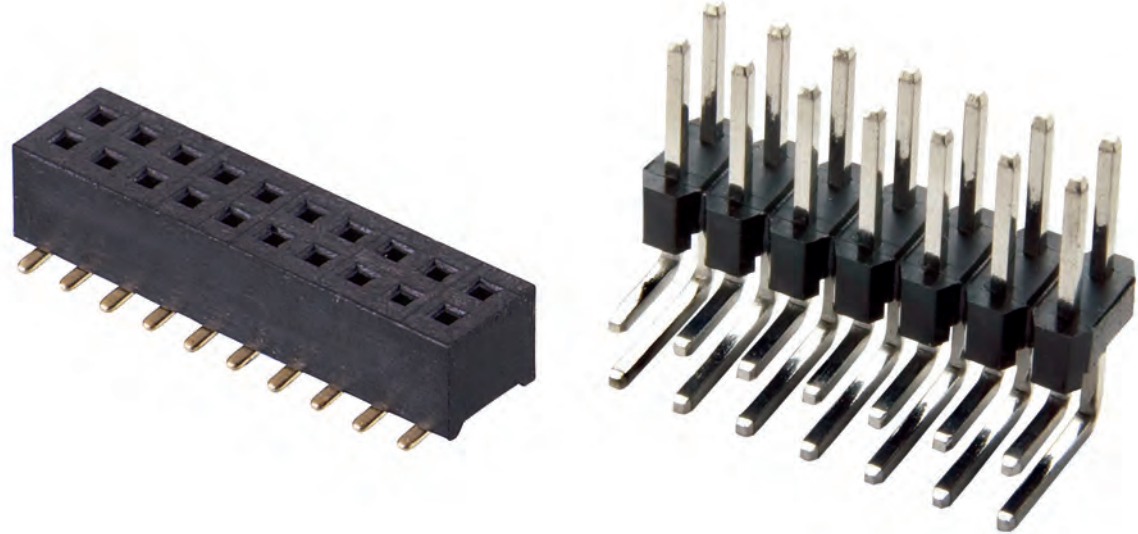
Harwin are certified to EN9100D / AS9100D, which means continuous improvement in all our quality and systems management, and continuous monitoring of the high quality level maintained across the company and products. This perfectly aligns with the needs of one of the most in-demand industries on our planet.




Rugged products from Harwin can provide connector solutions when the environment is a factor: vibration & shock severity, high temperature and humidity.



Typical Energy Applications

- Monitoring stations, battery management
- Down-hole and in-well, seismic evaluations and drilling
- Drives and controls, motion control, sensors
- Wireless modules, smart meters, remote telemetry
- Power supply communications and datacomms

High Reliability Connectors					
					
Gecko-SL, Gecko-MT, Gecko Latch		Datamate J-Tek, Mix-Tek, Power, Coax, L-Tek		M300	
<ul style="list-style-type: none"> • 2A signal, 10A power 	<ul style="list-style-type: none"> • Outgassing levels meet NASA / ESA requirements 	<ul style="list-style-type: none"> • 3A signal, up to 40A power, 50Ω coax 	<ul style="list-style-type: none"> • Outgassing levels meet NASA / ESA requirements 	<ul style="list-style-type: none"> • Up to 10A power 	<ul style="list-style-type: none"> • Outgassing levels meet NASA / ESA requirements
<ul style="list-style-type: none"> • -65°C to +150°C; 20g Vibration, 100g Shock 	<ul style="list-style-type: none"> • Components to full cable assemblies available 	<ul style="list-style-type: none"> • -55°C to +125°C; 10g Vibration, 100g Shock 	<ul style="list-style-type: none"> • Components to full cable assemblies available 	<ul style="list-style-type: none"> • -65°C to +175°C; 20g Vibration, 100g Shock 	<ul style="list-style-type: none"> • Components to full cable assemblies available
Durable Industrial Connectors			PCB Connectors		
					
Archer Kontrol		M225		Archer, M20, M22, M30, M40	
<ul style="list-style-type: none"> • 1.2A per contact 	<ul style="list-style-type: none"> • Polarized and shrouded; ready-made cables 	<ul style="list-style-type: none"> • 3A per contact 	<ul style="list-style-type: none"> • -55°C to +125°C; 10g Vibration, 100g Shock 	<ul style="list-style-type: none"> • 1mm to 2.54mm pitch 	<ul style="list-style-type: none"> • 0.5A to 3A per contact (pitch dependent)
<ul style="list-style-type: none"> • Board-to-board variable height from 8-20mm 	<ul style="list-style-type: none"> • 3Gbits/s data rate 	<ul style="list-style-type: none"> • Fast action mate-before-lock system 	<ul style="list-style-type: none"> • Cable-to-board at 2mm pitch 	<ul style="list-style-type: none"> • Board-to-board and board-to-cable variations 	<ul style="list-style-type: none"> • Cost-effective solutions stocked in depth

EMC Shielding		Spring Contacts & Pads		PCB Hardware	
					
<ul style="list-style-type: none">• SMT Clips and removable Nickel Silver Cans• 0.15/0.2/0.3mm thick cans ideal for high frequency	<ul style="list-style-type: none">• Clips available in corner and very low profile• Easy for rework and maintenance	<ul style="list-style-type: none">• Free heights from 1.23mm to 8.20mm• Working heights from 0.90mm to 7.10mm	<ul style="list-style-type: none">• High mating durability - 1K to 10K min cycles• 1A to 9A max (design dependent)	<ul style="list-style-type: none">• SMT Test Points & Cable management clips• Coin Cell Holders	<ul style="list-style-type: none">• Fixed & Removable Jumper links• Terminals & Spacers/Pillars/Standoffs