



Medical – Why Harwin?

You need confidence in quality in this “must not fail” industry. When one piece of vital electronic equipment can mean the difference between life and death, specifying Harwin connectors and hardware is a smart choice.



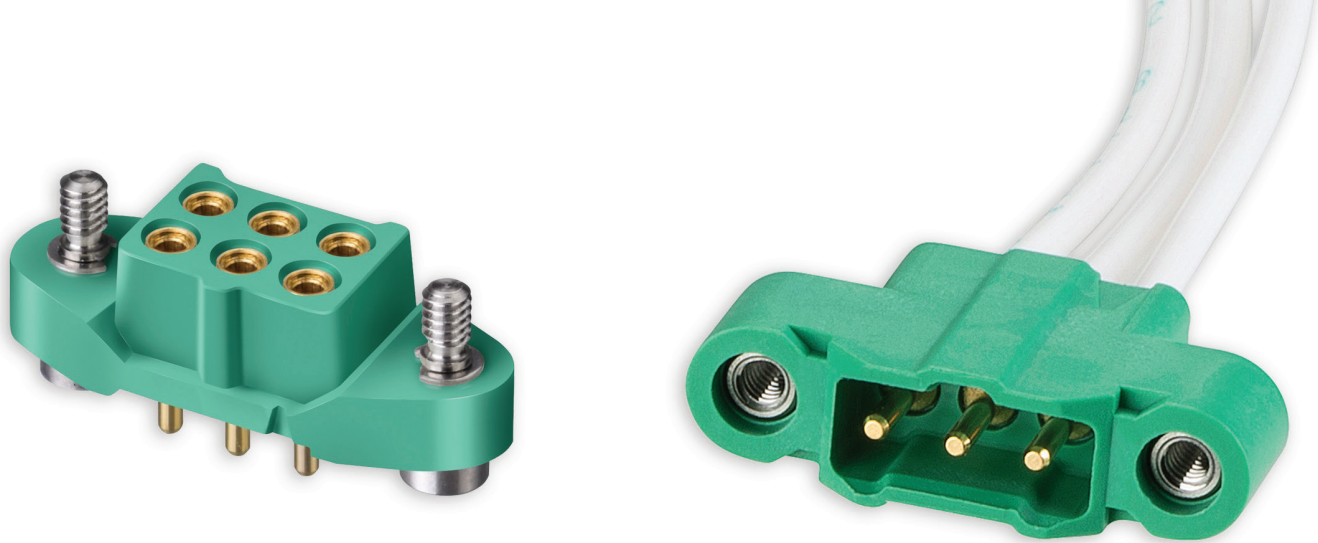
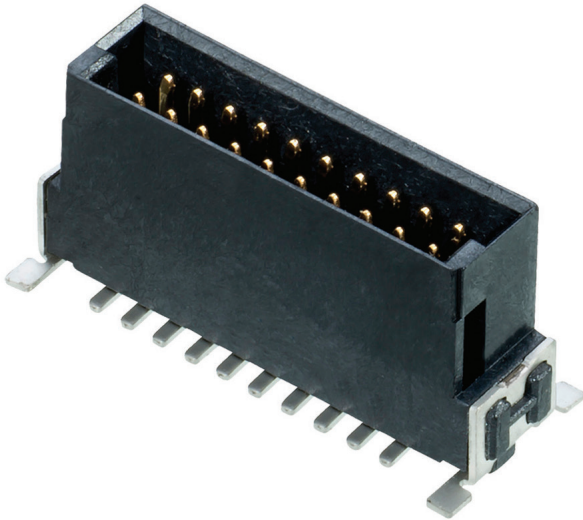
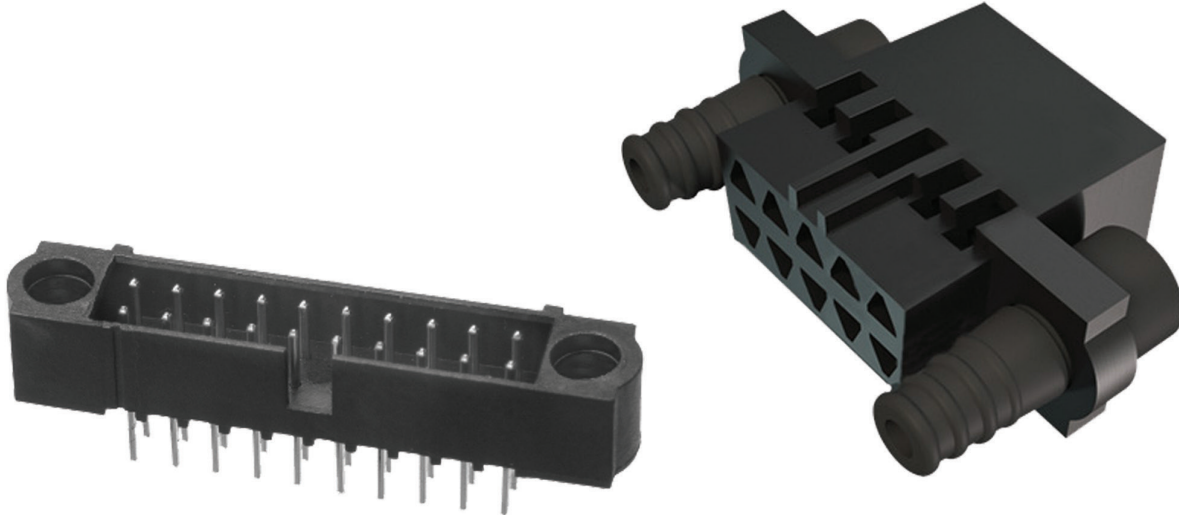
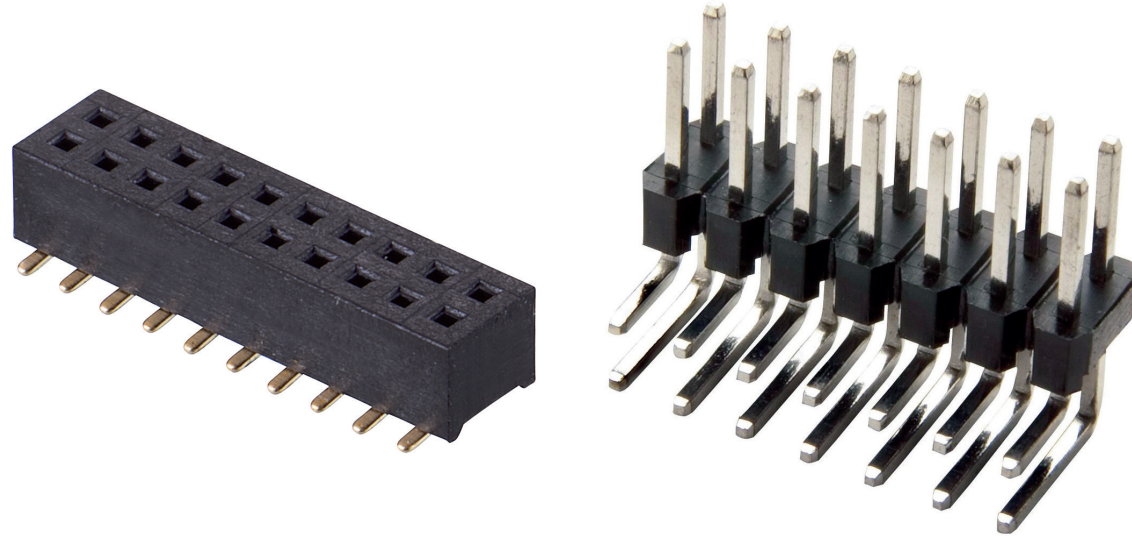
Harwin are certified to EN9100D / AS9100D, and have been supplying to major manufacturers in this sector for many years. The level of product quality and flexible modern manufacturing provides these manufacturers the responsive supply chain so crucial in times of crisis.




Rugged and durable High-Reliability connectors are key components in equipment built for medical aid on the move, whether by paramedics or frontline medics. EMC products provides essential shielding for critical PCB devices, and compact PCB connectors allow for cost-effective equipment required in volume. No compromise required.



Typical Medical Applications

- Patient monitoring equipment, ultrasounds, cardiovascular and EEG units
- System alarm harnesses, displays and handheld monitors
- Ventilators for hospital use and portable, paramedic or ambulance transfer
- Field hospital equipment, laboratory analysis units
- Defibrillators, pacemakers and hearing implants

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