



Motorsport & Electric Vehicles – Why Harwin?

When your product is cutting edge technology, either for speed, for future transportation, or both, then you need to specify products that deliver **quality performance now**. Demand a connector that handles vibration & shock severity, high temperature and humidity.




Harwin are certified to EN9100D / AS9100D, driving a culture of continuous improvement to match these innovative technology markets. Whether inside the car or part of the trackside monitoring stations, reliability is still key – and Harwin delivers.

HARWIN



Typical Motorsport and EV Applications

- Electronic management systems and telemetry, HUD (Heads-Up Displays), cockpit systems
- Navigation, GPS tracking, internal and external sensors and cameras
- Trackside monitoring, communications and datacomms
- Energy Recovery Systems (ERS), battery management

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

EMC Shielding		PCB Sockets		Spring Contacts & Pads	
					
<ul style="list-style-type: none"> • SMT Clips and removable Nickel Silver Cans 	<ul style="list-style-type: none"> • Clips available in corner and very low profile 	<ul style="list-style-type: none"> • 2A to 20A options; 2, 3, 4 and 6 beam contacts 	<ul style="list-style-type: none"> • Mating pin sizes Ø0.46mm to Ø2.30mm 	<ul style="list-style-type: none"> • Free heights from 1.23mm to 8.20mm 	<ul style="list-style-type: none"> • High mating durability - 1K to 10K min cycles
<ul style="list-style-type: none"> • 0.15/0.2/0.3mm thick cans ideal for high frequency 	<ul style="list-style-type: none"> • Easy for rework and maintenance 	<ul style="list-style-type: none"> • SMT and Throughboard variations 	<ul style="list-style-type: none"> • Hi-Rel contact design on Two-piece sockets 	<ul style="list-style-type: none"> • Working heights from 0.90mm to 7.10mm 	<ul style="list-style-type: none"> • 1A to 9A max (design dependent)