



Aviation – Why Harwin?

You can rest easy with the confidence in quality needed for this “must not fail” industry.

Whether your product is flying the skies with hundreds of passengers, or delivering essential goods to remote villages, 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 demands of this important industry have been key to the growth of our high-reliability connector ranges: Datamate, Gecko and M300.




When SWaP-C* optimization is a must, the extensive range of rugged product from Harwin can provide a solution. Connectors in these ranges come with proven high reliability under the most extreme environmental conditions of use: vibration & shock severity, high temperature and humidity.

* SWaP-C = Size, Weight and Power, Cost



Typical Aviation Applications

- Avionics, flight controls and telemetry, HUD (Heads-Up Displays), FADEC units
- Aircraft interiors and entertainment systems
- GNSS receivers, altitude and inertial measurement units
- Radar systems, weather and collision avoidance
- Communications, data transmission, air traffic control

| High Reliability Connectors | | | | | |
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|  | |  | |  | |
| 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 | | PCB Hardware | |
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| <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"> • SMT Test Points & Cable management clips | <ul style="list-style-type: none"> • Fixed & Removable Jumper links |
| <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"> • Coin Cell Holders | <ul style="list-style-type: none"> • Terminals & Spacers/Pillars/Standoffs |