

Metal Backshells with Built-In Shielding Ensure Ongoing Electrical & Mechanical Integrity



Datamate Connector Aluminium Backshells;

Designed to complement its widely-used Datamate wire-to-board connector offering, Harwin now supplies a comprehensive range of backshells with a rugged aluminium alloy construction and electroless nickel plating.

Through these accessories, which can be applied to new installations or alternatively for carrying out mid production modifications, engineers are able to add increased levels of mechanical robustness, as well as providing the necessary EMI/RFI protection. As a result, prolonged operational lifespans can be benefited from even in the most uncompromising of application conditions.

Incorporated into the female cable versions is a highly convenient attachment feature via which braid screening can be achieved with maximum effectiveness. There is a large elliptical entry hole for braid placement, along with a choice of slotted or hexagonal jackscrews on either side for securing the connection (as well as providing strain relief).

The male backshell is designed for panel mount applications and is compatible with both cable or vertical PCB connector styles. Full 360 degree EMI/RFI shielding is delivered once the male/female mating process has been completed. A working temperature range spanning from -55°C to +125°C is supported.

Compatible with:

The new Harwin backshells can be used in conjunction with both the company's J-Tek and its Mix-Tek Datamate connector product lines - with signal, power and coax cabling all being accommodated. The combined Datamate/backshell assemblies are significantly lower in overall cost than equivalent Micro-D/backshell arrangements.

Made to order, only low minimum volumes are required and there are very short turnaround times involved. Among the key areas where these items will be employed are aerospace, motorsport, industrial drives & controls, military communication, satellite systems, robotics and renewable energy infrastructure.

