

Gecko-SL Metal Backshells

Wire-to-Board miniature connector accessories

Connector enhancements for existing and new build RFI solutions

The existing Gecko-SL range combines the miniature yet powerful 1.25mm pitch connector system with the ease and strength of Screw-Lok (SL) jackscrew fixings. The range is enhanced with a metal backshell range to provide EMI / RFI screening and mechanical strength.

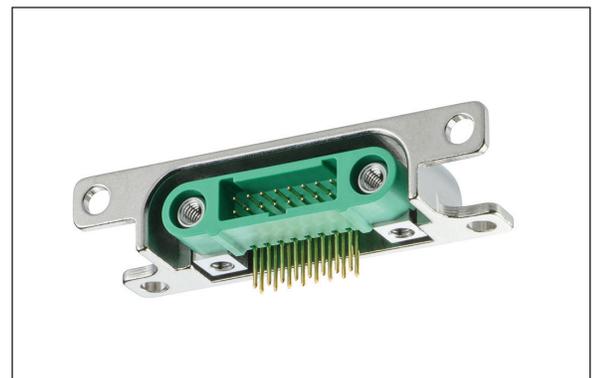
The metal backshells for cable are a 2-part design, which can be easily fitted after the cable assembly construction – even as an additional design improvement after manufacture. The design is compatible with both male and female cable connector housings. The optional long screw-lok fixings provide standard gender fixings for female connectors. or reverse fix for male connectors. Backshells for board-mounted and panel-mounted connectors are available, in horizontal and vertical orientations.

These fully machined metal backshells are made from aluminium alloy with electroless nickel plating. They suit most applications and offer significant cost savings over comparable Micro-D options.



Gecko-SL Cable Assembly with metal backshells and braid

Features and Benefits	
Cable-to-board and panel mount options	Wide range of products to support a broad spectrum of customers and applications
Gecko-SL metal backshells are machined from aluminium alloy billets	This construction ensures reliability, strength and performance
Braid retention feature at cable entrance	Suitable for metallic and non-metallic conductive braids
Overall screen termination by stainless steel micro-band (available separately)	Ensures electrical and mechanical longevity and security
2-piece cable backshell construction	Can be assembled at any time after the manufacture of the cable assembly, including rework
PCB or panel mount backshell	Fully shielded mated connections available for both cable-to-board and cable-to-cable



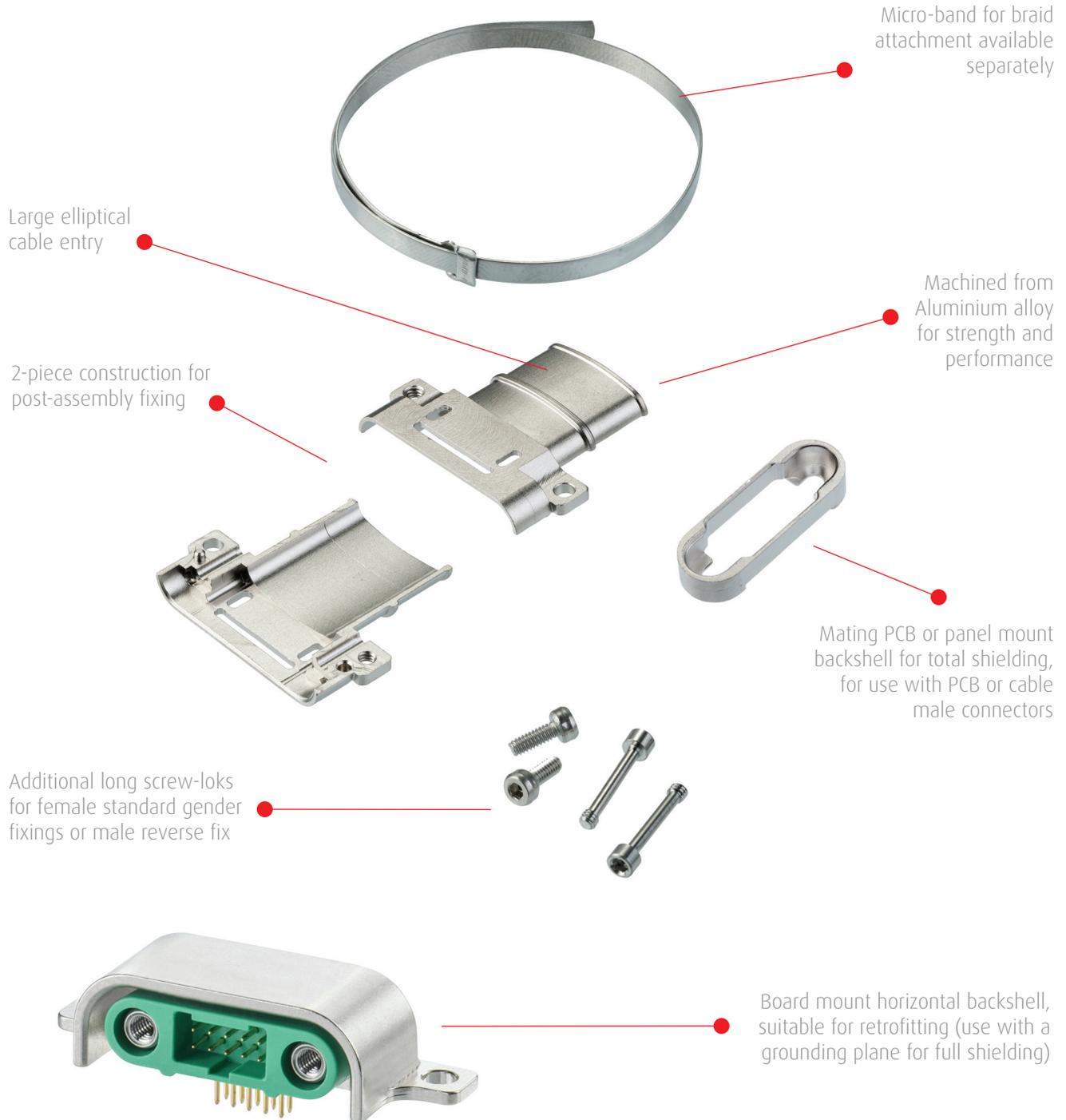
Horizontal metal backshell for PCB mount, with male connector

Key Applications	
Aviation	Avionic controls, guidance systems, UAVs, engine controls, radar and tracking
Motorsport & Transport	Navigation, AI, GPS and tracking equipment, communications and telemetry, ERS controls, E-Vehicle inverters and battery management
Space	Satellites & CubeSats, radar, communications, launch systems
Defense & Security	UAVs, UUV and other ROV, ground communications, handheld portable equipment, rugged vehicle electronics
High-End Industrial	Portable equipment, high vibration and robotics systems



Vertical Metal Backshell for PCB mount, with male connector

Product Features



How to Order

Cable Backshells

No. of contacts	Cable Backshell with additional long screw-loks	Cable Backshell without screw-loks
6	G125-96406F1	G125-9640600
10	G125-96410F1	G125-9641000
12	G125-96412F1	G125-9641200
16	G125-96416F1	G125-9641600
20	G125-96420F1	G125-9642000
26	G125-96426F1	G125-9642600
34	G125-96434F1	G125-9643400
50	G125-96450F1	G125-9645000

- With screw-loks - specify G125-224xx9600 female or G125-324xx9600 male cable housings
- Without screw-loks - specify G125-324xx96M1 male cable housings

PCB / Panel Backshells

No. of contacts	Vertical PCB/Panel Backshell	Horizontal PCB Backshell	Horizontal PCB Backshell with rear panel mount lugs
6	G125-9600602	G125-9700602	G125-9710602
10	G125-9601002	G125-9701002	G125-9711002
12	G125-9601202	G125-9701202	G125-9711202
16	G125-9601602	G125-9701602	G125-9711602
20	G125-9602002	G125-9702002	G125-9712002
26	G125-9602602	G125-9702602	G125-9712602
34	G125-9603402	G125-9703402	G125-9713402
50	G125-9605002	G125-9705002	G125-9715002

- Vertical - specify male or female PCB connectors with board-mount studs
- Horizontal - specify male horizontal connectors with board-mount fixings

Micro-band

Order Code	Length
M80-9470000	206.8mm
M80-9480000	362.0mm

For fixing braid to rear collar.
(requires Tie Dex II A30199 Micro Band tool).



Harwin Europe (Global Headquarters)

Portsmouth, Hampshire, UK

E: mis@harwin.co.uk

T: +44 (0)23 9231 4545

Harwin Inc (Americas)

Salem, New Hampshire, USA

E: mis@harwin.com

T: +1 603 893 5376

Harwin Asia Pte Ltd (Asia, Australasia)

Singapore

E: mis@harwinasia.com

T: +65 6 779 4909