

High-Reliability Gecko Rear Panel Mount

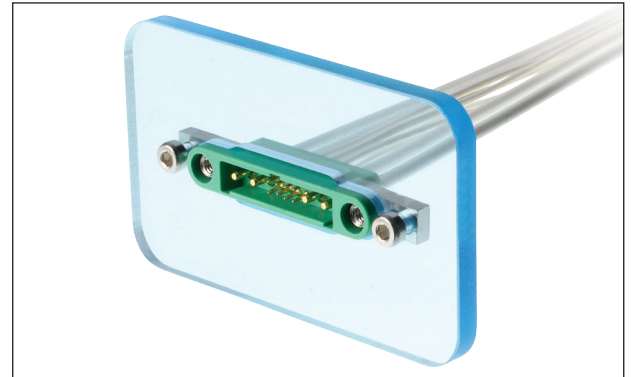
Internally mounted for added protection

Use Gecko-SL and Gecko-MT for cable-to-panel mating. These cable housings have stainless steel screw-loks with extended lugs, which enable mounting on the rear of a panel or enclosure wall. This keeps much of the connector safe from accidental damage within the enclosure, with just the mating face exposed to the outside.

The screw-loks are fully compatible with existing connectors in the Gecko-SL and Gecko-MT ranges. Male connectors are fitted with standard gender fixings, and female with reverse fix – so the mating free cable is always screwed to this panel mount connector.

The rear panel mount design is available on:

- **Gecko-SL** – signal-only housings, 1.25mm pitch, up to 50 contacts
- **Gecko-MT** – mixed power and signal housings, with 8 signal and 2 or 4 power contacts



Gecko-MT male cable assembly with panel



Gecko-SL female cable assembly



Gecko-SL male cable housing, 20 contact

Features and Benefits

Designed for simple panel mounting	Just add M2 bolts to secure to any depth of enclosure panel
Rear mount on inside of enclosure	Added protection from external forces
Compatible for mating with standard gender fixings	No need to re-specify the mating connector
Meets existing Gecko specifications	Ideally suited for high vibration environments and multiple insertions
Stainless Steel Jackscrews	Long-lasting durability and reliability
Signal-only or signal + 10A power versions	Save PCB space by combining signal and power in one miniature connector

Key Applications

Aviation	Avionic Controls, Guidance Systems, Engine Controls, Radar, Tracking
UAVs	Flight and Attitude Controls, Transceivers, GPS, Autopilot
Motorsport & Electric Vehicles	Navigation, AI, GPS and Tracking Equipment, Communications and Telemetry, ERS Controls
Space	Satellites & CubeSats, Radar, Communications, Launch Systems
Defense & Security	WiFi Antennas, Mobile and Radio Communications, Rugged Vehicle Electronics

Product Features

Compatible with standard Gecko-SL and Gecko-MT connectors

Signal or power options for male and female cable connection

Use M2 bolts to secure to any panel or enclosure

Stainless steel jack-screws ensure strong and secure mating

Fully polarized and shrouded for additional protection

Contact number 1 ident on all housings

Rear shroud for backpotting, to provide strain relief

Specifications

Electrical		Mechanical		Physical	
Current Rating	10A per power contact, 2A per signal contact	Number of Mating Cycles	1,000	Housing	Glass filled PA4T, UL94V-0
Voltage Rating	450V AC/DC	Temperature Range	-65°C to +150°C	Contacts	Copper alloy, Gold plating
Maximum Voltage	600V AC/DC	Vibration	20G (EIA-364-28D)	Screw-loks	Stainless steel
Insulation Resistance	1GΩ min	Shock	100G (EIA-364-27B)		

How to Order

Gecko-SL – Housings Only

G125 – X24 XX 96 X5



GENDER	
224	Female
324	Male

TOTAL NO. OF CONTACTS	
06, 10, 12, 16, 20, 26, 34, 50	

SCREW-LOK	
F5	Female Reverse Fix
M5	Male Internal Thread

Gecko-MT – Housings Only

G125 – X24 96 X5 – 0X-08-0X



GENDER	
224	Female
324	Male

SCREW-LOK	
F5	Female Reverse Fix
M5	Male Internal Thread

TOTAL NO. OF CONTACTS	
01-08-01	1+8+1 Configuration
02-08-02	2+8+2 Configuration

Cable Contacts



G125-0010005
Female 26AWG
Crimp Contact



G125-0020005
Female 28-32AWG
Crimp Contact



G125-0500005
Female Power
Contact



G125-1010005
Male 26AWG
Crimp Contact



G125-1020005
Male 28-32AWG
Crimp Contact



G125-1500005
Male Power
Contact

Related Products:

- Cable assembly facility
- Dummy signal contacts
- Crimp & insertion tooling
- Metal backshells
- Slotted Screwdriver and Hex Drivers



Mounting Accessories



G125-452000B
5mm Hex Socket Bolt



Europe, Middle East & Africa

Portsmouth, Hampshire, UK

E: technical@harwin.com

T: +44 (0)23 9231 4545

Americas

Salem, New Hampshire, USA

E: technical-us@harwin.com

T: +1 603 893 5376

Asia Pacific

Singapore

E: technical-asia@harwin.com

T: +65 6 779 4909