

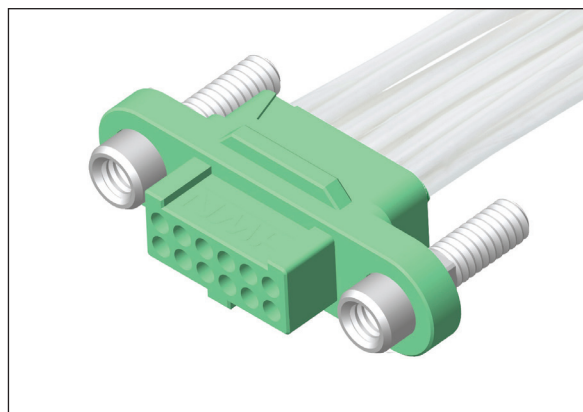
Gecko-SL Reverse Fix 1.25mm pitch Screw-Lok Connectors

Secure & Robust Miniature Connectors with additional fixing flexibility

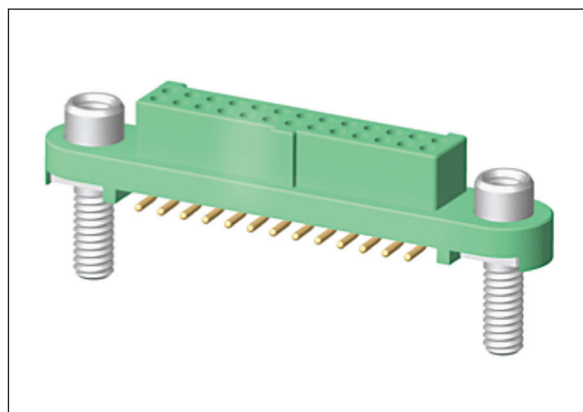
The existing Gecko-SL range combines the miniature yet powerful 1.25mm pitch connector system with the ease and strength of Screw-Lok (SL) jackscrew fixings. These screw-loks are made from stainless steel to ensure a strong and secure connection.

For additional design flexibility, a reverse fix screw-lok design has been added to the range. The new screw-loks work in reverse to the existing design: the screw-loks on the male connectors are the floating fixings, and screw into the female connectors. The female connectors have an option for board or panel-mounting, with a threaded stud on the rear of the screw-lok.

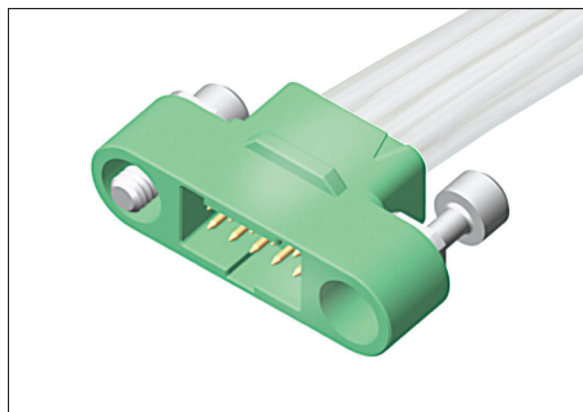
The Reverse Fix screw-lok design is available on male and female cable housings, male and female Surface Mount, and male and female Throughboard. The female connectors can be chosen as basic screw-loks, or with the board-mount stud. Cable contacts and board mount nuts are available for purchase separately.



Female Reverse Fix connector with 12 cabled contacts



Female Reverse Fix with 26 SMT contacts, Board Mount



Male Reverse Fix connector with 10 cabled contacts

Features and Benefits

Female connectors ideal for board or panel-mounting	In safety critical or "hot" unplugged connectors, the fully and individually shrouded female can now be the PCB mounted half, without having to jack the connectors together from the underside of the PCB.
2A per contact (all electrically loaded; 2.8A per individual contact) at 1.25mm pitch	Excellent current capacity for a miniature connector, saving space and weight in critical applications
Compact design – significant space saving over Micro-D	Up to 45% smaller and up to 75% lighter over existing equivalent industry standards, ideal for avionics
Mate before Lock	Faster and easier assembly both in-house and in the field
Robust Design	Maintains electrical contact in extreme shock and vibration conditions
World-class quality from the Original Designers of Datamate	Published test reports, proven track record, high quality requirements through the complete production cycle

Key Applications

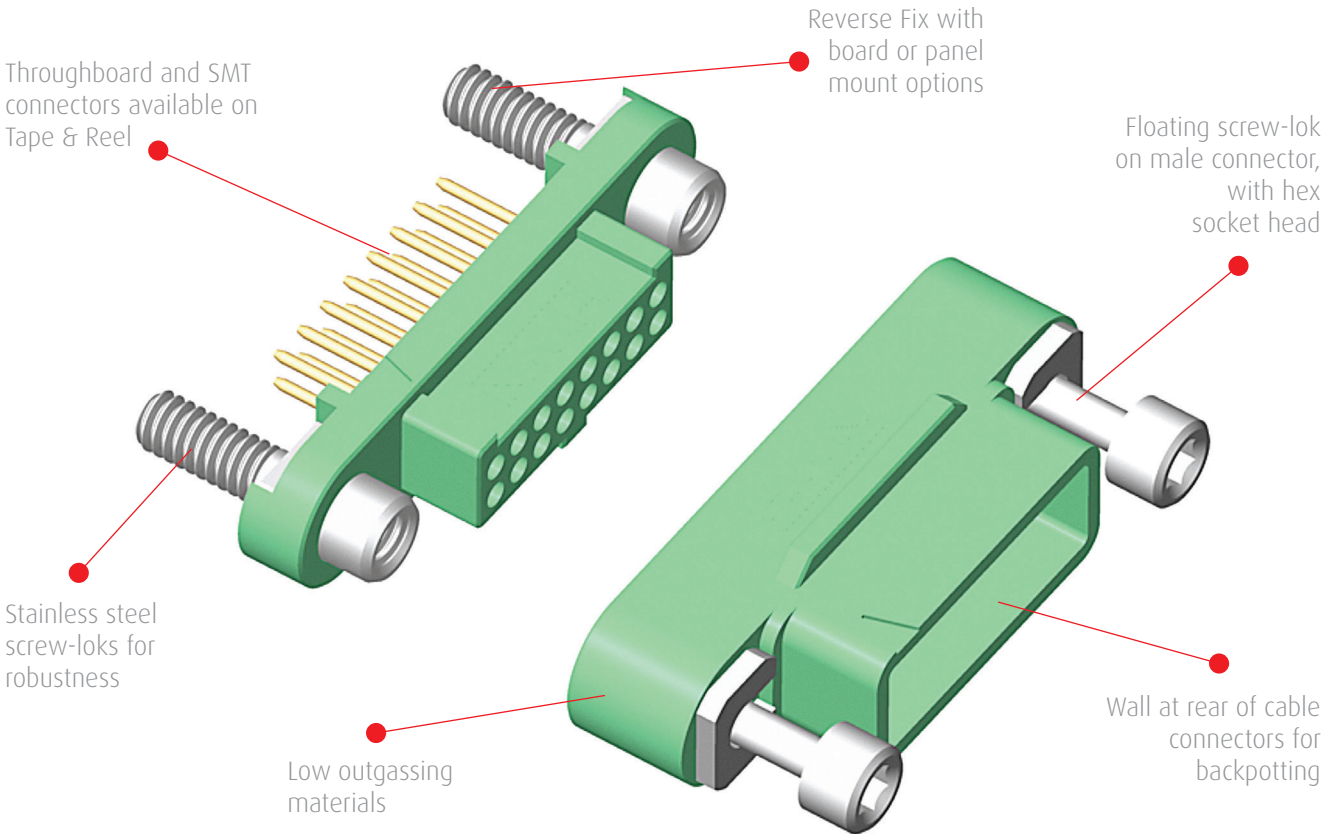
Aviation	Avionic controls, guidance systems, UAVs, engine controls, radar and tracking
Motorsport & transport	Navigation, AI, GPS and tracking equipment, communications and telemetry, ERS controls
Space	Satellites & CubeSats, radar, communications, launch systems
Defense & Security	UAVs, UUV and other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

Gecko-SL Reverse Fix

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Product Features



Specifications

Electrical		Mechanical		Physical	
Current Rating	2A per 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	Insertion Force	2.8N max	Screw-loks	Stainless steel
Contact Resistance	25mΩ max	Withdrawal Force	0.2N min		
Insulation Resistance	1GΩ min	Vibration	20G, 6 hours total		

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How to Order

PCB Connectors

G125 - X XX XX 05 XX X

GENDER	
F	Female
M	Male

TYPE	
V1	3mm Throughboard
S1	Surface Mount

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

PACKAGING	
R	Tape & Reeled
P	Loose

FIXINGS	
F2	Female Reverse Fix, no Board Mount
F3	Female Reverse Fix, 5mm Board Mount
M3	Male Reverse Fix, Hex Socket Floating

Cable Housings

G125 - X24 XX 96 XX

GENDER	
224	Female
324	Male

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

FIXINGS	
F2	Female Reverse Fix, no Board Mount
F3	Female Reverse Fix, 5mm Board Mount
M3	Male Reverse Fix, Hex Socket Floating

Accessories



G125-4500000B
Hex Board Mount Nut



G125-4510000B
Slotted Board Mount Nut



G125-0010005
Female 26AWG Crimp Contact



G125-0020005
Female 28-32AWG Crimp Contact



G125-1010005
Male 26AWG Crimp Contact



G125-1020005
Male 28-32AWG Crimp Contact

Other Products Available:

- Pre-Wired Contacts
- Cable Assembly facility
- Dummy Contacts
- Crimp/insertion tooling