

Gecko-SL Horizontal Connectors - 1.25mm pitch Screw-Lok Male 90 Degree Orientation

Secure & Robust Miniature Connectors for demanding applications

For applications that must not fail, Gecko-SL brings high-reliability connection at a miniature 1.25mm pitch. Fitted with easy-to-use, fast, secure and strong screw-loks – fully mate the connectors then screw in the fixings (Mate-Before-Lock). An ideal choice for SWaP-C optimization (Size, Weight, Power and Cost).

This range expansion brings the additional option of a male throughboard connector at right angles to the PCB, known as horizontal. Save space above the PCB by routing the mating cables sideways, or join the PCBs together with a 90 degree connection (ideal for motherboard-to-daughterboard). Available in pin counts up to 50, and fully compatible with the rest of the Gecko-SL range.

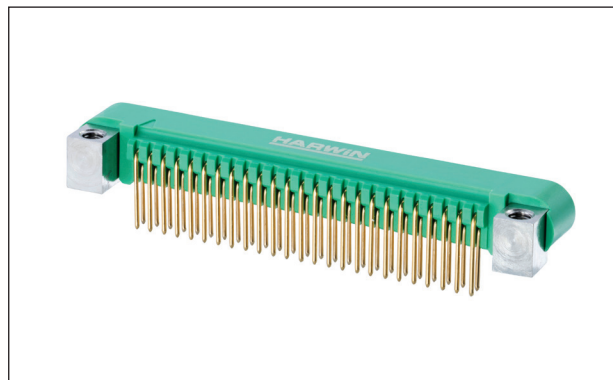
The stainless steel screw-loks are supplied in two styles: standard for male PCB to female cable; or reverse gender fixings (reverse fix) for female motherboard to male daughterboard.

Features and Benefits

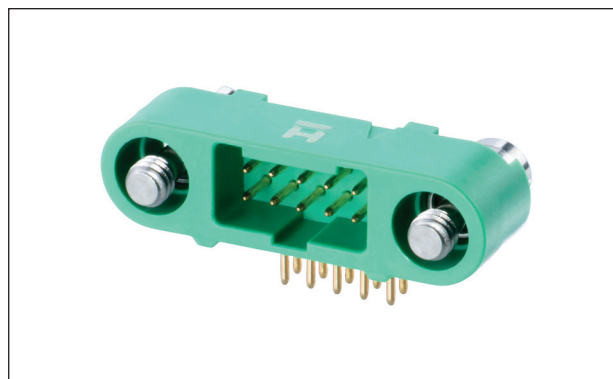
2A per contact (all electrically loaded; 2.8A per individual contact) at 1.25mm pitch	Excellent current capacity for a miniature connector, saving PCB real estate
Compact design – significant space saving over Micro-D	Up to 45% smaller and up to 75% lighter over existing equivalent industry standards, ideal for avionics
Horizontal throughboard contacts	Ideal for board edge to cable connection, with reduced total mated height
Compatible with existing Gecko-SL connectors	Use with ready-made cable assemblies for robust, convenient cable-to-board connection
Mate-Before-Lock in both standard and reverse fix screw	Quick and easy mating process
Board Mount fixings on standard screws	Added strain relief for terminations when used with compatible board mount bolts
Low outgassing materials	Meets NASA and ESA requirements

Key Applications

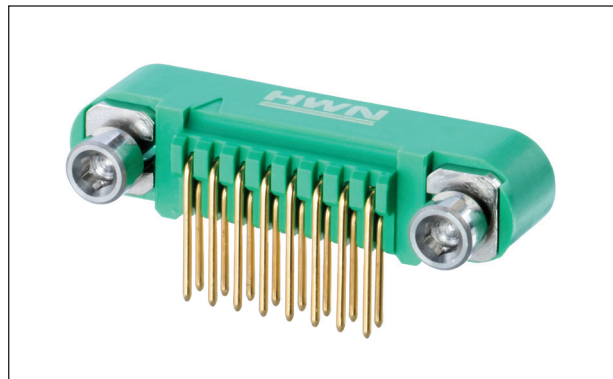
Aviation	Avionics, guidance systems, engine controls, radar, tracking
Communications & Telemetry	Navigation, AI, GPS and tracking equipment, datacoms & system feedback, ERS controls
Space	Satellites & CubeSats, radar, communications, launch systems
Defense & Security	Unmanned vehicles, communications, portable equipment, vehicle electronics



50 contact, board mount: G125-MH15005M4P



10 contact, reverse fix: G125-MH11005M3P

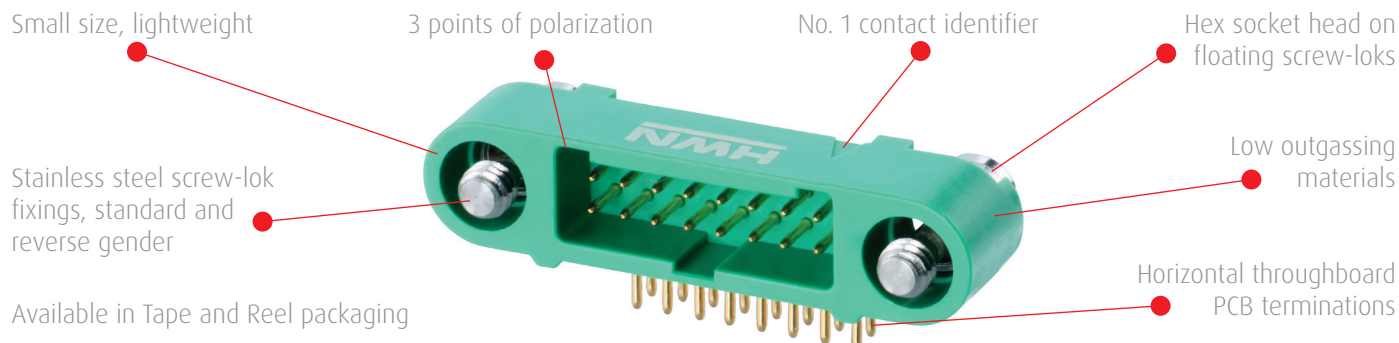


16 contact, reverse fix: G125-MH11605M3P

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Product Features



How to Order

G125 - MH1 XX XX XX X

GENDER/ TYPE

MH1 Male 3mm Throughboard Horizontal

TOTAL NO. OF CONTACTS

06, 10, 12, 16, 20, 26, 34, 50

FINISH

05 Gold Finish

PACKAGING

P Tape & Reel strips
R Tape & Reel

FIXINGS

M3 Reverse Fix, Hex Socket Floating
M4 Standard, Horizontal Board Mount

Specifications

Electrical		Mechanical & Environmental		Physical	
Current Rating	2A per contact	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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