

# Customer Information Sheet

DRAWING No.: G125-224XX96F1

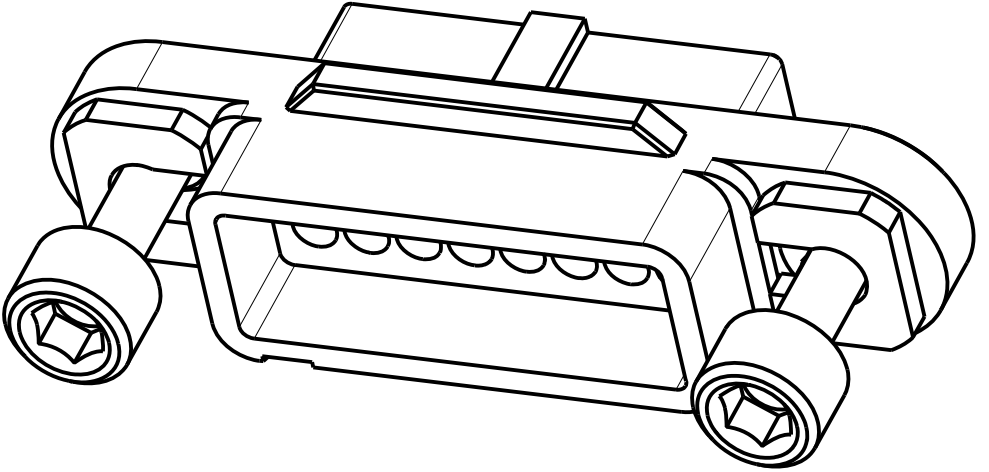
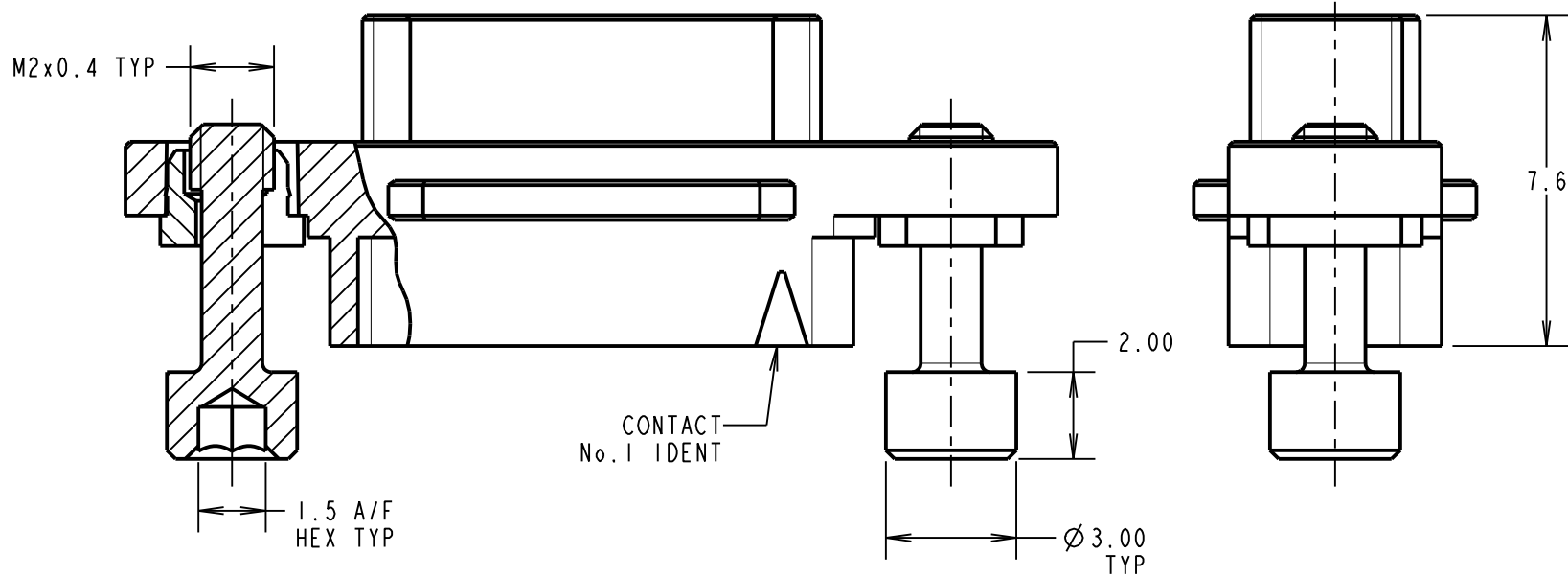
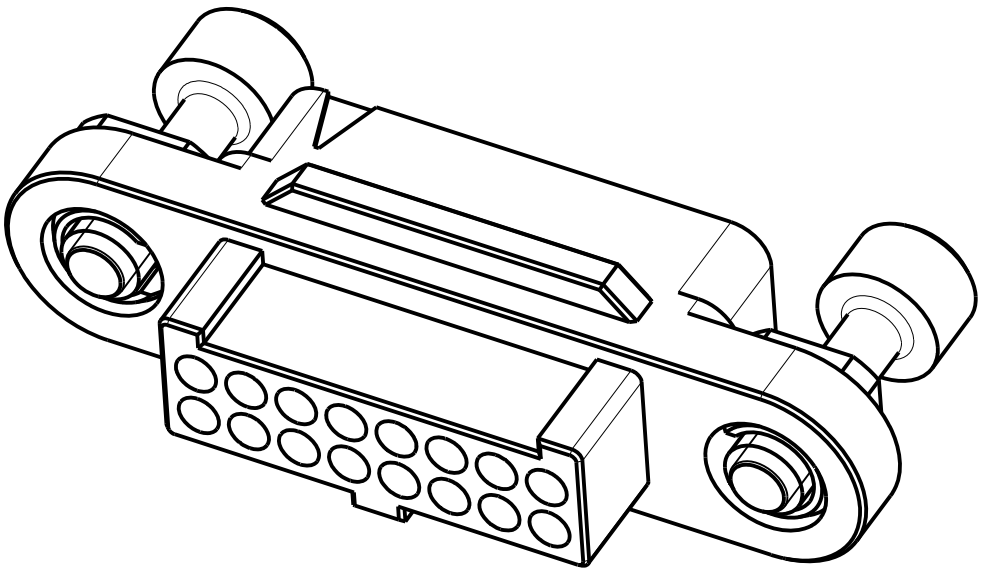
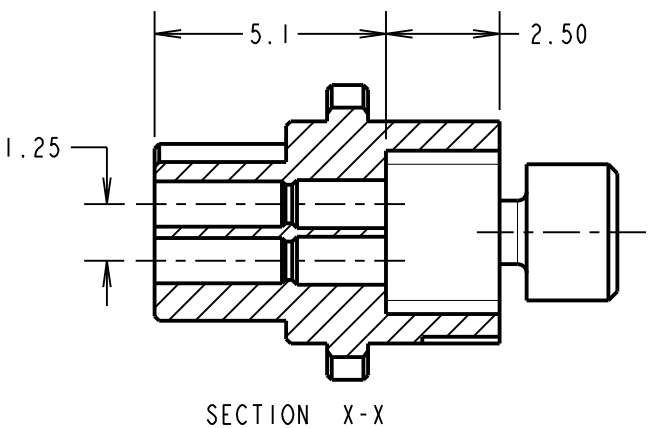
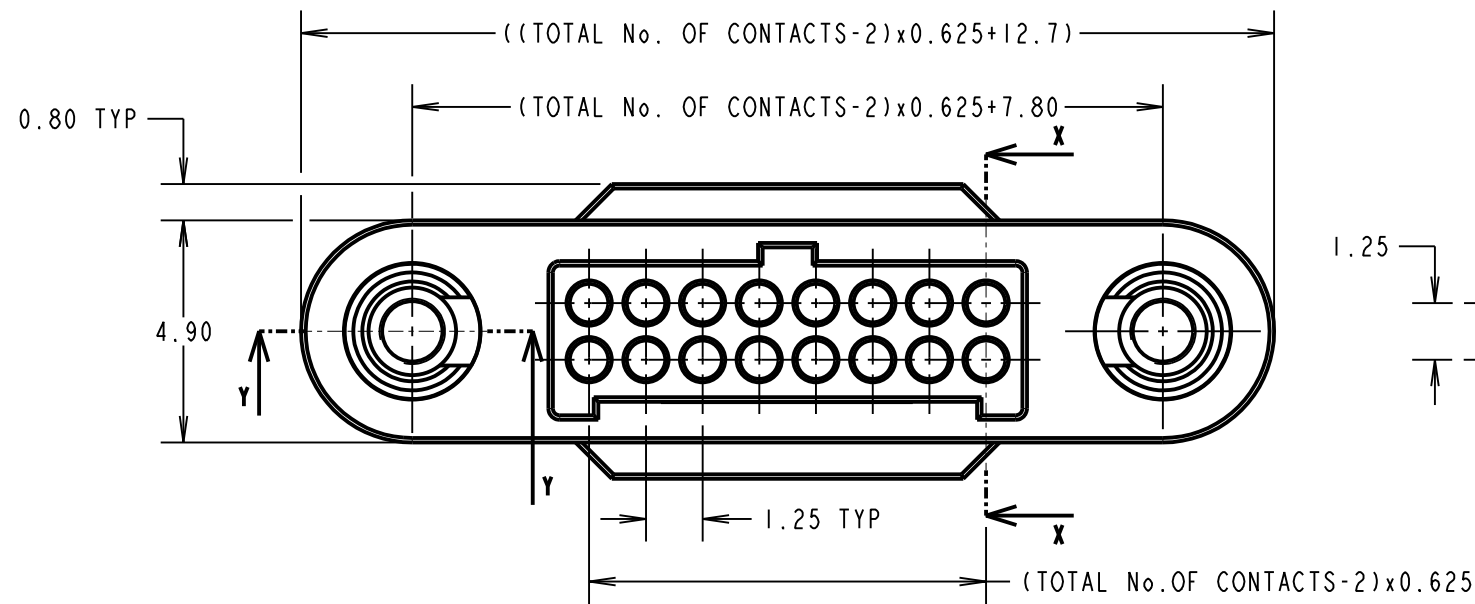
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



ORDER CODE:  
**G125-224XX96F1**

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

- NOTES:
1. PACK SIZE: 10 PER BAG.
  2. MOULDING TO BE USED WITH G125-0010005 AND G125-0020005 FEMALE CRIMP CONTACTS, OR G125-0200005 BLANKING PLUG.
  3. FOR ASSEMBLY INSTRUCTIONS SEE INSTRUCTION SHEET IS-38.
  4. FOR MATERIALS, FINISH AND SPECIFICATIONS SEE GECKO SERIES SPECIFICATION SUMMARY SHEET OR COMPONENT SPECIFICATION C125XX (LATEST ISSUE) FOR FULL SPECIFICATION.
  5. DRAWING SHOWS HOUSING WITH 16 CONTACT POSITIONS.

RTP	I	06.01.20	22197
NAME	ISS.	DATE	C/NOTE
APPROVED: R.PORTLOCK			
CHECKED: S.BENNETT			
DRAWN: M.PLESTED			
CUSTOMER REF.:			
ASSEMBLY DRG:			

<div>HARWIN</div> <div>www.harwin.com</div> <div>technical@harwin.com</div>	<div>THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER SET OUT HEREON ARE CONFIDENTIAL AND COPYRIGHT PROPERTY OF THE HARWIN GROUP AND MUST NOT BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING, TENDERING OR FOR ANY OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION.</div>	<div>TOLERANCES</div> <div>X. = <math>\pm 1mm</math></div> <div>X.X = <math>\pm 0.50mm</math></div> <div>X.XX = <math>\pm 0.20mm</math></div> <div>X.XXX = <math>\pm 0.01mm</math></div> <div>ANGLES = <math>\pm 5^\circ</math></div> <div>UNLESS STATED</div>	<div>MATERIAL:</div> <div>SEE ABOVE</div>	<div>TITLE:</div> <div>GECKO SL SERIES</div> <div>FEMALE CABLE HOUSING</div> <div>WITH SCREW LOK</div>
		<div>FINISH:</div> <div>SEE ABOVE</div>	<div>DRAWING NUMBER:</div> <div>G125-224XX96F1</div>	<div>SHT</div> <div>2 OF 2</div>
		<div>S/AREA:</div> <div>mm<sup>2</sup></div>		

Customer Information Sheet

DRAWING No.: G125-SERIES COMPONENT SPECIFICATION	IF IN DOUBT - ASK	©	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm
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SPECIFICATIONS:

MATERIALS:

MOULDING, PICK & PLACE CAP:  
POLYAMIDE, PA4T-GF30 FR(40) UL94V-0,  
HALOGEN FREE, FREE OF RED PHOSPHORUS

CONTACTS:

SIGNAL CONTACTS:  
MALE PC-TAIL/SMT = PHOSPHOR BRONZE  
MALE CRIMP = BRASS  
ALL FEMALE CONTACTS = BERYLLIUM COPPER  
POWER CONTACTS:  
ALL CONTACTS = BERYLLIUM COPPER

LOCKING HARDWARE:

LATCHES: COPPER NICKEL TIN ALLOY  
SCREW LOCK: STAINLESS STEEL

BACK POTTING COMPOUND (CABLE ASSEMBLIES ONLY):  
STYCAST 265I MM BACK POTTING WITH CATALYST 9

FINISH:

ALL SIGNAL CONTACTS:  
0.2-0.3µm GOLD OVER NICKEL  
ALL POWER CONTACTS:  
0.76-1.00µm GOLD OVER 1.50-2.50µm NICKEL  
AND COPPER FLASH  
LATCHES:  
3.0µm 100% TIN OVER NICKEL

MECHANICAL:

DURABILITY = 1000 OPERATIONS  
RETENTION IN HOUSING (ALL CONTACTS) = 6.0N MIN  
SIGNAL CONTACTS:  
INSERTION FORCE = 2.8N MAX  
WITHDRAWAL FORCE = 0.2N MIN  
POWER CONTACTS:  
INSERTION FORCE = 7.0N MAX  
WITHDRAWAL FORCE = 0.2N MIN  
SCREW-LOK:  
RETENTION IN HOUSING = 20.0N MIN  
LATCHES:  
RETENTION IN HOUSING = 4.0N MIN

ENVIRONMENTAL:

CLASSIFICATION: 65/150/56 DAYS AT 93% RH

TEMPERATURE RANGE:

\* EIA-364-32 : 2000 TEST CONDITION IV, DWELL  
30mins, 5 CYCLES -65°C TO +150°C

MECHANICAL:

VIBRATION AND SHOCK:

\* EIA-364-28D : 1999: TEST CONDITION IV: VIBRATION SEVERITY:  
10Hz TO 2000Hz, 1.5mm, 198mm/s<sup>2</sup> (20G). DURATION 2Hr  
\* EIA-364-28D : 1999: TEST CONDITION IV: VIBRATION SEVERITY:  
10Hz TO 2000Hz, 1.5mm, 198mm/s<sup>2</sup> (20G). DURATION 2Hr  
\* EIA-364-27B : 1996: TEST CONDITION E SHOCK SEVERITY: 981mm/s<sup>2</sup>  
(100G) FOR 6ms IN Z AXIS, 490mm/s<sup>2</sup> (50G) FOR 11m/s IN X & Y AXIS.  
\* EIA-364-01A : 2000: ACCELERATION: 490mm/s<sup>2</sup> (50G)  
\* BUMP SEVERITY: 390mm/s<sup>2</sup> (40G), 4000±10 BUMPS  
\* TESTED WITH LATCHED CONNECTORS

ELECTRICAL:

CURRENT RATING:

SIGNAL CONTACTS:  
EIA-364-70A : 1998: INDIVIDUAL CONTACT IN ISOLATION AT 25°C = 2.8A MAX  
EIA-364-70A : 1998: ALL CONTACTS SIMULTANEOUSLY AT 25°C = 2.0A MAX  
POWER CONTACTS:  
EIA-364-70A : 1998: PER CONTACT, THROUGH ALL CONTACTS = 10A MAX

CONTACT RESISTANCE:

EIA-364-06C : 2006: INITIAL CONTACT RESISTANCE = 20mΩ MAX  
EIA-364-06C : 2006: CONTACT RESISTANCE AFTER CONDITIONING = 25mΩ MAX

VOLTAGE PROOF:

EIA-364-20C : 2004: SEA LEVEL (1013mbar) = 600V DC/AC PEAK  
EIA-364-20C : 2004: ALTITUDE LEVEL (44mbar, 21,336m/70,000ft) = 350V DC/AC PEAK

WORKING VOLTAGE:

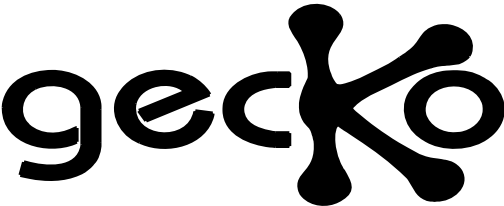
AT SEA LEVEL (1006mbar) = 450V DC/AC PEAK  
AT ALTITUDE (44mbar, 21,336m/70,000ft) = 250V DC/AC PEAK

INSULATION RESISTANCE:

EIA-364-21C : 2000: INSULATION RESISTANCE (INITIAL)  
= 10GΩ MIN AT 500V DC  
EIA-364-21C : 2000: INSULATION RESISTANCE (AFTER CONDITIONING)  
= >1GΩ MIN AT 500V DC

FOR FULL COMPONENT SPECIFICATION SEE C125XX (LATEST ISSUE).

RTP	5	04.10.19	22083
NAME	ISS.	DATE	C/NOTE
APPROVED: R.PORTLOCK			
CHECKED: S.BENNETT			
DRAWN: S.FLOWER			
CUSTOMER REF.:			
ASSEMBLY DRG:			



PATENTED TECHNOLOGY

HARWIN

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TOLERANCES

X. = ±1mm  
X.X = ±0.50mm  
X.XX = ±0.20mm  
X.XXX = ±0.01mm  
ANGLES = ±5°  
UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH:

SEE ABOVE

S/AREA:

mm<sup>2</sup>

TITLE:

G125 SERIES COMPONENT SPECIFICATION

DRAWING NUMBER:

G125-SERIES CONNECTORS

SHT

1 OF 1