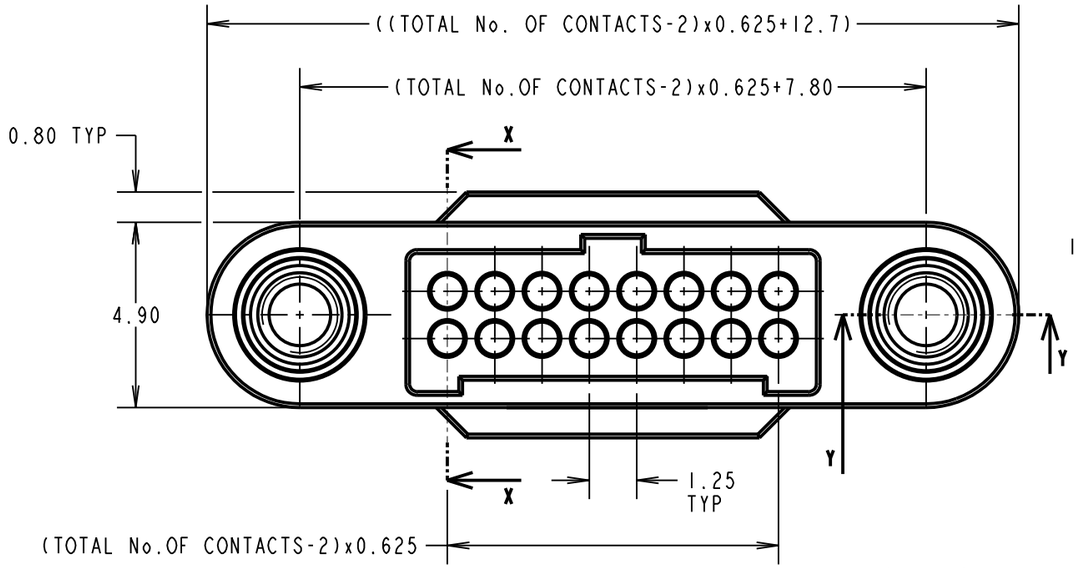
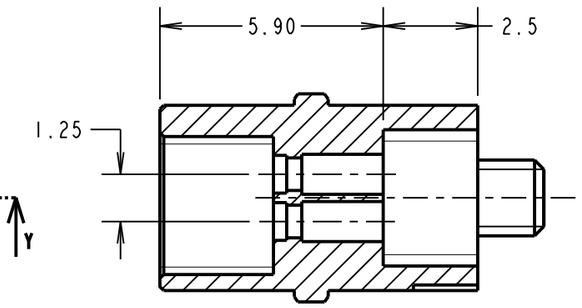
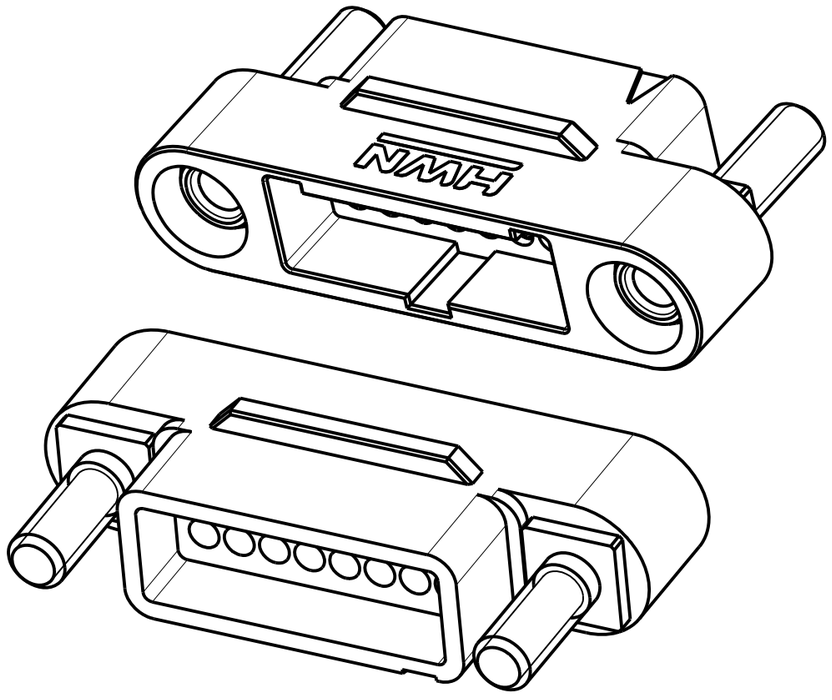
Customer Information Sheet

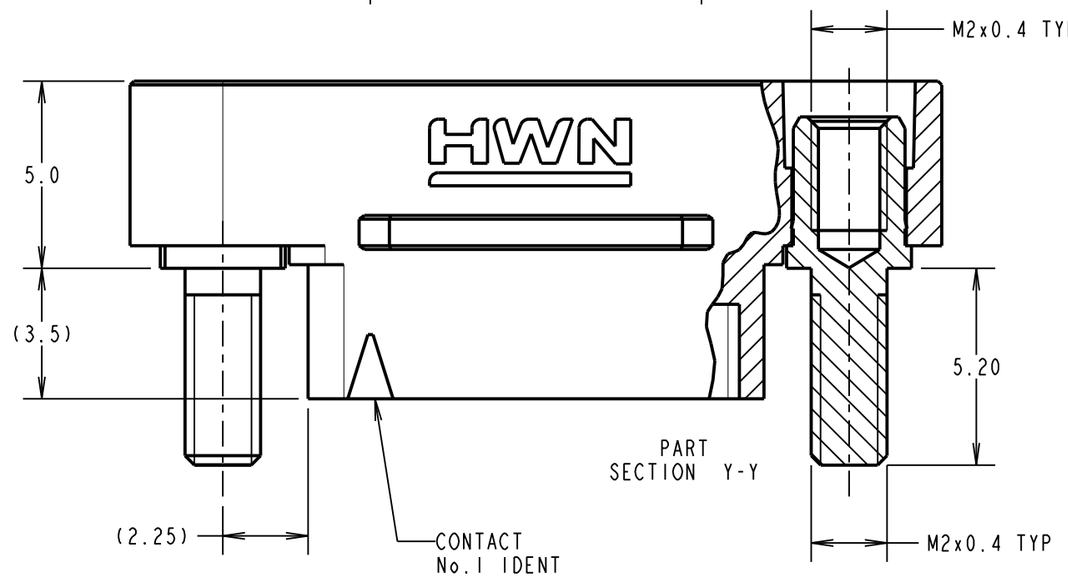
DRAWING No.: G125-324XX96M2	IF IN DOUBT - ASK	©	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm



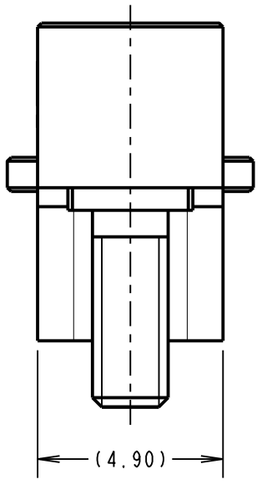


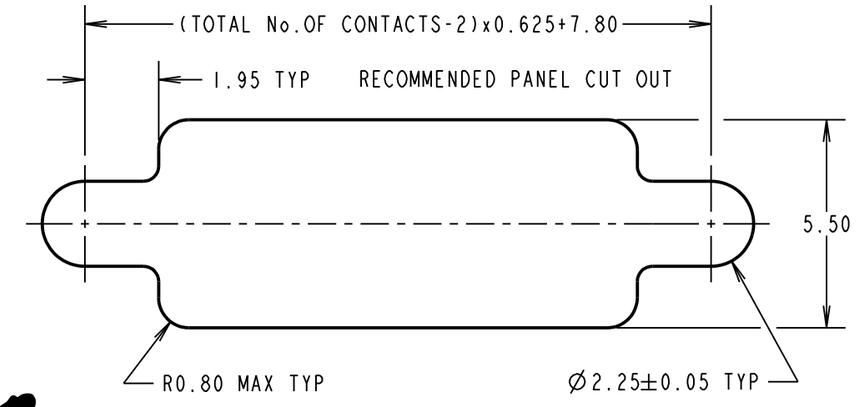
SECTION X-X





PART
SECTION Y-Y





NOTES:
1. PACK SIZE: 10 PER BAG.
2. MOULDING TO BE USED WITH G125-1010005 AND G125-1020005 MALE 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.
6. FOR PANEL MOUNT NUTS ORDER SEPARATELY PART NUMBER:
   G125-4510000B ROUND SLOTTED NUT -BAG OF 12.
   (G125-4500000B HEXAGONAL THIN NUT, IS NOT SUITABLE).
7. METAL HOODS ARE AVAILABLE FOR THIS RANGE.
   SEE WWW.HARWIN.COM FOR DETAILS.

ORDER CODE:
G125-324XX96M2
TOTAL No. OF CONTACTS
06, 10, 12, 16, 20, 26, 34 & 50.

gecko
PATENTED TECHNOLOGY

MR	1	23.10.18	21562
NAME	ISS.	DATE	C/NOTE
APPROVED: M.RUDKIN			
CHECKED: S.BENNETT			
DRAWN: MARK G PLESTED			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN
www.harwin.com
technical@harwin.com

TOLERANCES
X. = ±1mm
X.X = ±0.50mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

MATERIAL: SEE ABOVE
FINISH: SEE ABOVE
S/AREA: mm²

TITLE: GECKO-SL SERIES
MALE CABLE HOUSING
WITH PANEL MOUNT

DRAWING NUMBER: G125-324XX96M2

SHT 2 OF 2

Customer Information Sheet

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

SPECIFICATIONS:

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

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

LOCKING HARDWARE:
LATCHES: COPPER NICKEL TIN ALLOY
SCREW LOCK: STAINLESS STEEL

BACK POTTING COMPOUND (CABLE ASSEMBLIES ONLY):
STYCAST 2651 MM BACK POTTING WITH CATALYST 9

FINISH:
ALL CONTACTS:
0.2-0.3µ GOLD OVER NICKEL
LATCHES:
3.0µ 100% TIN OVER NICKEL

MECHANICAL:
DURABILITY = 1000 OPERATIONS
INSERTION FORCE = 2.8N MAX
WITHDRAWAL FORCE = 0.2N 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

* EIA-364-28D : 1999: TEST CONDITION IV: VIBRATION SEVERITY:
10Hz TO 2000Hz, 1.5MM, 198 mm/s² (20G). DURATION 2Hr

* EIA-364-27B : 1996: TEST CONDITION E SHOCK SEVERITY: 981 mm/s²
(100G) FOR 6ms IN Z AXIS, 490 mm/s² (50G) FOR 11m/s IN X & Y AXIS.

* EIA-364-01A : 2000: ACCELERATION: 490 mm/s² (50G)
* BUMP SEVERITY: 390 mm/s² (40G), 4000± 10 BUMPS
* TESTED WITH LATCHED CONNECTORS

ELECTRICAL:
CURRENT RATING:
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

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

WORKING VOLTAGE:
EIA-364-20C : 2004: SEA LEVEL (1006mbar) = 450V DC/AC PEAK
EIA-364-20C : 2004: ALTITUDE LEVEL (44mbar) = 250V DC/AC PEAK

VOLTAGE PROOF AT SEA LEVEL (1013mbar) = 600V DC/AC PEAK

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

FOR FULL COMPONENT SPECIFICATION SEE C125XX (LATEST ISSUE).

PATENT PENDING
UK 1205109.0

MGP	4	22.06.17	20668
NAME	ISS.	DATE	C/NOTE

APPROVED: MGP
CHECKED: SB
DRAWN: S.FLOWER
CUSTOMER REF.:
ASSEMBLY DRG:

HARWIN
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TOLERANCES
X. = ±1mm
X.X = ±0.50mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

MATERIAL: SEE ABOVE
FINISH: SEE ABOVE
S/AREA: mm²

TITLE: G125 SERIES COMPONENT SPECIFICATION
DRAWING NUMBER: G125-SERIES CONNECTORS
SHT 1 OF 1