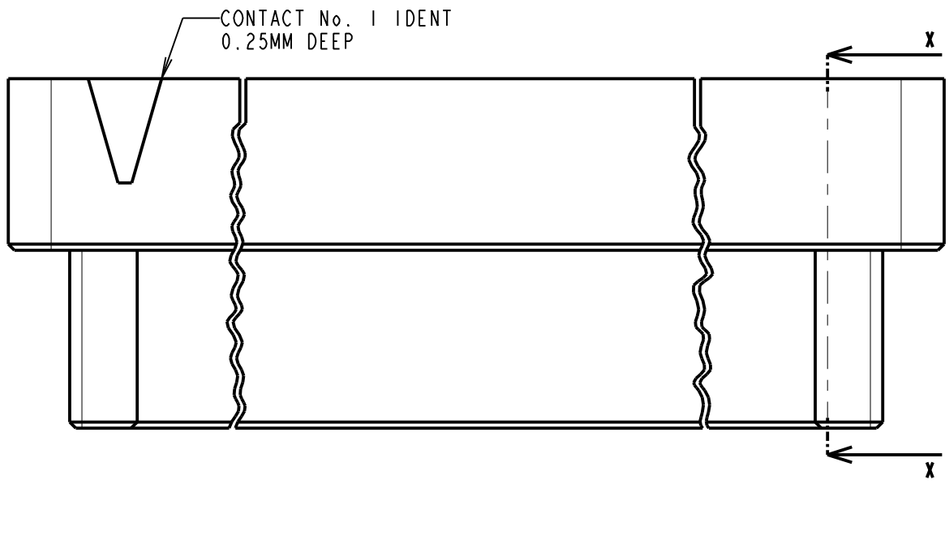
# THE DATASHEET OF

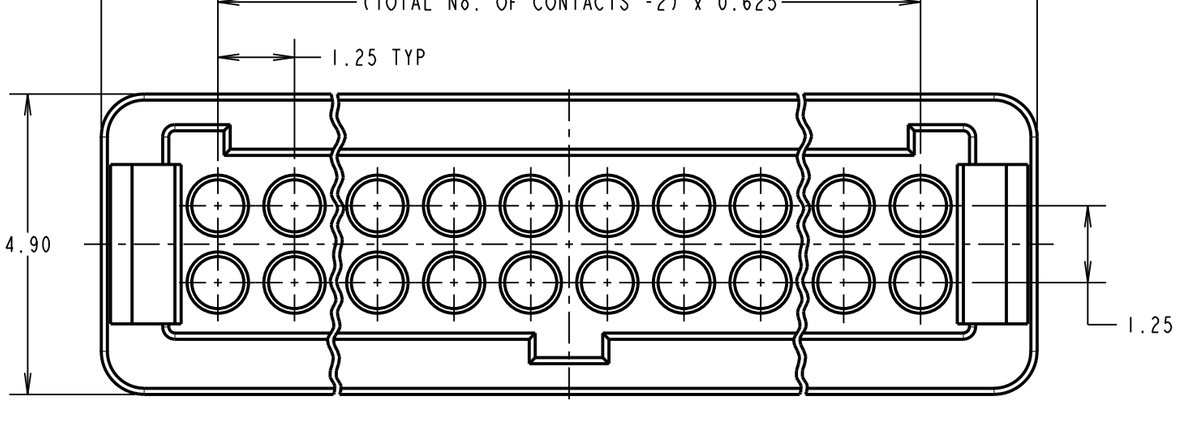
# G125-2041296L0

# Customer Information Shee

| DRAWING No.: G125-204XX96L0 | IF IN DOUBT - ASK | © | NOT TO SCALE |
|---|---|---|---|




SECTION X-X




PAT

NOTES:
1. PACK SIZE: 10 PER BAG.
2. MOULDING TO BE USED WITH G125-001000 CONTACTS.
3. FOR ASSEMBLY INSTRUCTIONS SEE INSTRU

PRODUCT CODE:
G125-204XX96L0
TOTAL No. OF CONTACTS
06, 10, 12, 16, 20, 26, 34, 50.

HARWIN
www.harwin.com
technical@harwin.com



TOLERANCES
X. = ±1mm
X.X = ±0.25mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

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# Customer Information Shee

DRAWING No.: G125-SERIES COMPONENT SPECIFICATION | IF IN DOUBT - ASK | © | NOT TO SCALE

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 2651 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: VIB
10Hz TO 2000Hz, 1.5mm, 198mm/s² (20G). DUR
* EIA-364-28D : 1999: TEST CONDITION IV: VIB
10Hz TO 2000Hz, 1.5mm, 198mm/s² (20G). DUR
* EIA-364-27B : 1996: TEST CONDITION E SHOCK
(100G) FOR 6ms IN Z AXIS, 490mm/s² (50G)
* EIA-364-01A : 2000: ACCELERATION: 490mm/s²
* BUMP SEVERITY: 390mm/s² (40G), 4000±10 BUM
* TESTED WITH LATCHED CONNECTORS

ELECTRICAL:
CURRENT RATING:
SIGNAL CONTACTS:
EIA-364-70A : 1998: INDIVIDUAL CONTACT IN
EIA-364-70A : 1998: ALL CONTACTS SIMULTAN
POWER CONTACTS:
EIA-364-70A : 1998: PER CONTACT, THROUGH
CONTACT RESISTANCE:
EIA-364-06C : 2006: INITIAL CONTACT RESISTA
EIA-364-06C : 2006: CONTACT RESISTANCE AFTE
VOLTAGE PROOF:
EIA-364-20C : 2004: SEA LEVEL (1013mbar) =
EIA-364-20C : 2004: ALTITUDE LEVEL (44mbar,
WORKING VOLTAGE:
AT SEA LEVEL (1006mbar) = 450V DC/AC PEAK
AT ALTITUDE (44mbar, 21,336m/70,000ft) = 25

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

FOR FULL COMPONENT SPECIFICATION SEE C125XX (LA

gecko

PATENTED TECHNOLOGY

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technical@harwin.com



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

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- Harwin Inc. Information

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- Cost Control Management
- Shortage Management
- Alternative Solution
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