



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# Customer Information Sheet

DRAWING No.: G125-304XX96L4

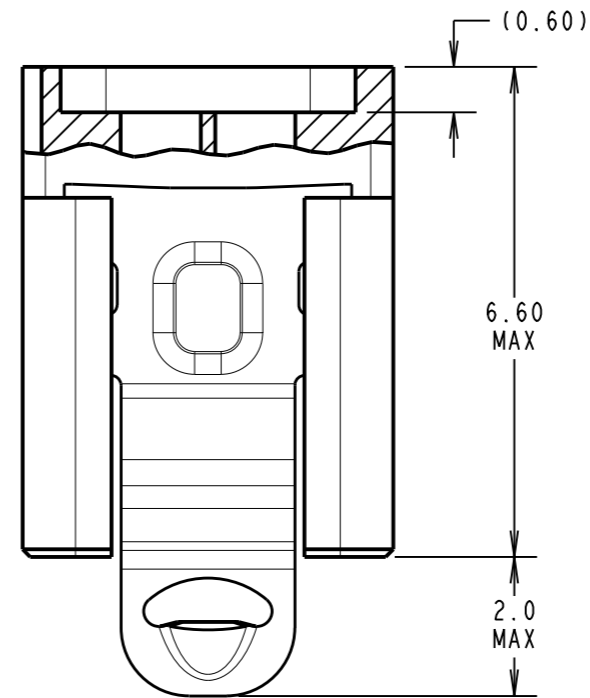
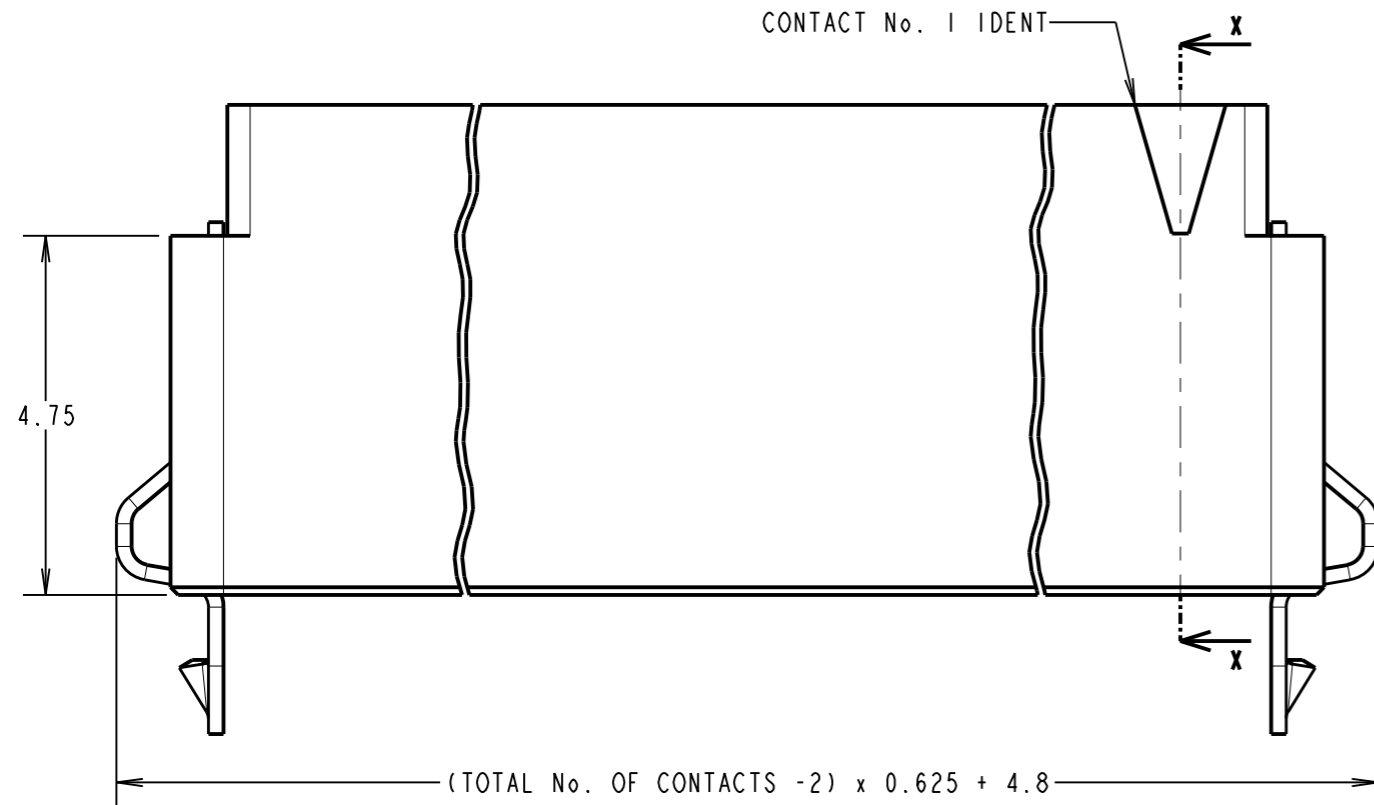
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

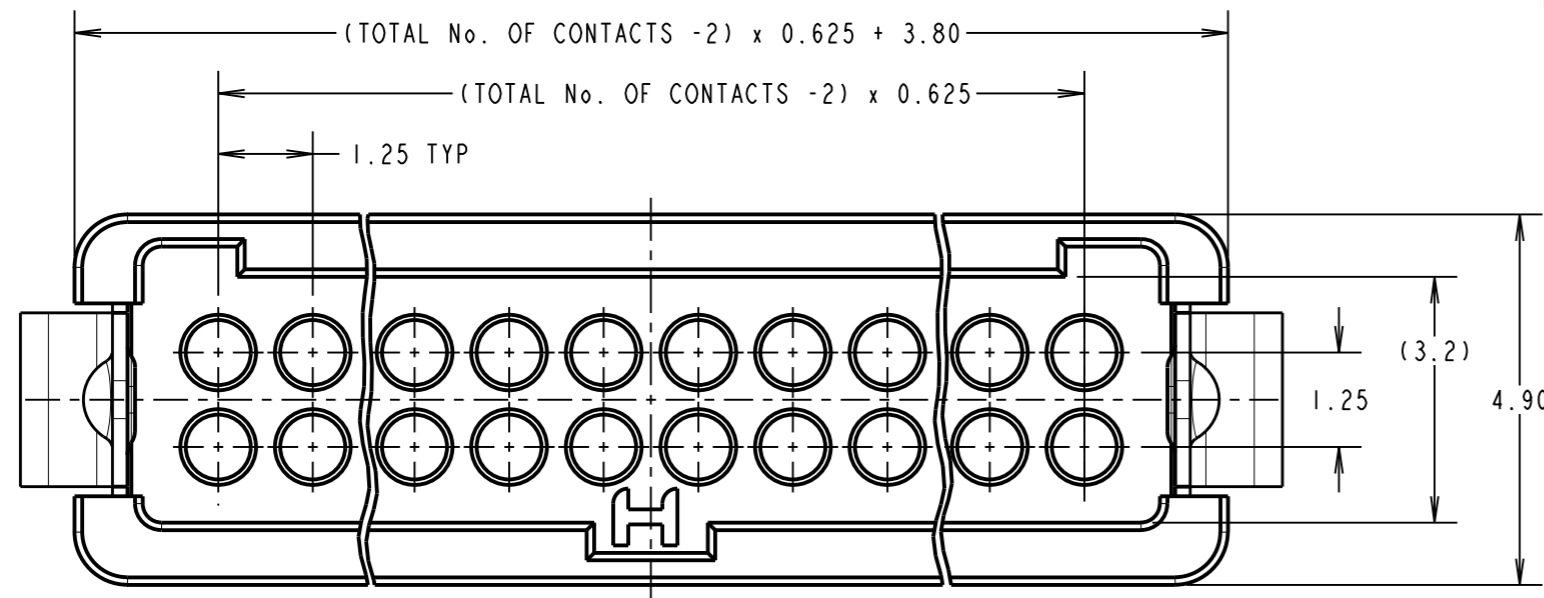
ALL DIMENSIONS IN mm



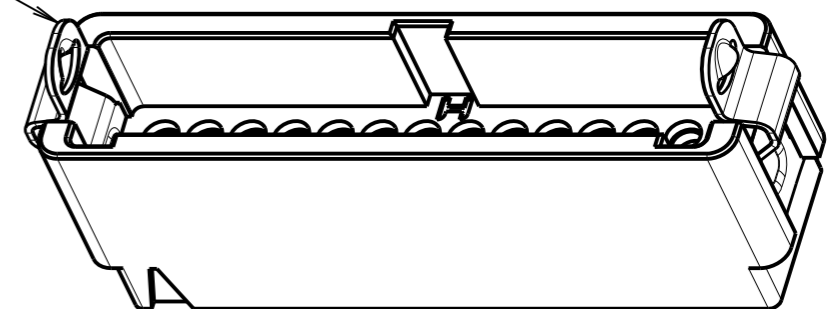
SECTION X-X



PATENT PENDING - UK 1205109.0



LATCHES (2-OFF)



ORDER CODE:

**G125-304XX96L4**

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

SF	D	21.02.13	11945
NAME	ISS.	DATE	C/NOTE
APPROVED:		S.FLOWER	
CHECKED:		M.PLESTED	
DRAWN:		S.BENNETT	
CUSTOMER REF.:			
ASSEMBLY DRG:			

NOTES:

1. PACK SIZE: 10 PER BAG.
2. MOULDING TO BE USED WITH G125-1010005 AND G125-1020005 MALE CRIMP CONTACTS.
3. FOR ASSEMBLY INSTRUCTIONS SEE INSTRUCTION SHEET IS-38.

**HARWIN**

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TOLERANCES

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

MATERIAL:

SEE SHEET 3

FINISH:

SEE SHEET 3

S/AREA:

mm<sup>2</sup>

TITLE: G125 SERIES MALE CRIMP MOULDING WITH POTTING WALL AND LATCHES ASSEMBLY

DRAWING NUMBER:

**G125-304XX96L4**

SHT  
2 OF 3

# Customer Information Sheet

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

**SPECIFICATIONS:**

- \* EIA-364-01A : 2000: ACCELERATION: 490 mm/s<sup>2</sup> (50G)
- \* BUMP SEVERITY: 390 mm/s<sup>2</sup> (40G), 4000± 10 BUMPS
- \* TESTED WITH LATCHED CONNECTORS

**MATERIALS:**

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

**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

**CONTACTS:**

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

**CONTACT RESISTANCE:**

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

**LATCHES:**

COPPER NICKEL TIN ALLOY

**BACK POTTING COMPOUND (CABLE ASSEMBLIES ONLY):**

STYCAST 2651 MM BACK POTTING WITH CATALYST 9

**WORKING VOLTAGE:**

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

**FINISH:**

ALL CONTACTS:  
 0.2-0.3µ GOLD OVER NICKEL

LATCHES:  
 3.0µ 100% TIN OVER NICKEL

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

**MECHANICAL:**

DURABILITY = 1000 OPERATIONS  
 INSERTION FORCE = 2.8N MAX  
 WITHDRAWAL FORCE = 0.2N MIN

FOR FULL COMPONENT SPECIFICATION SEE C125XX (LATEST ISSUE).

**ENVIRONMENTAL:**

CLASSIFICATION: 65/150/96 HOURS AT 95% 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/s<sup>2</sup> (20G). DURATION 2Hr

\* EIA-364-27B : 1996: TEST CONDITION E SHOCK SEVERITY: 981 mm/s<sup>2</sup>  
 (100G) FOR 6ms IN Z AXIS, 490 mm/s<sup>2</sup> (50G) FOR 11ms IN X&Y AXIS.



PATENT PENDING - UK 1205109.0

SF	11.01.13	11910
NAME	DATE	C/NOTE
APPROVED:	S.FLOWER	
CHECKED:	S.BENNETT	
DRAWN:	S.FLOWER	

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

**MATERIAL:**

SEE ABOVE

**FINISH:**

SEE ABOVE

**TITLE:**

G125 SERIES COMPONENT SPECIFICATION

**DRAWING NUMBER:**

**G125-SERIES CONNECTORS**

SHT  
 3 OF 3