

# Customer Information Sheet

DRAWING No.: G125-304XX96L4

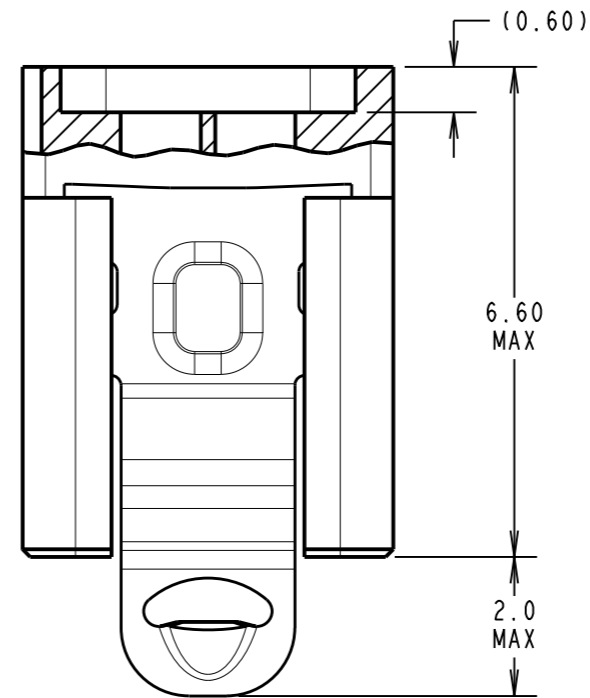
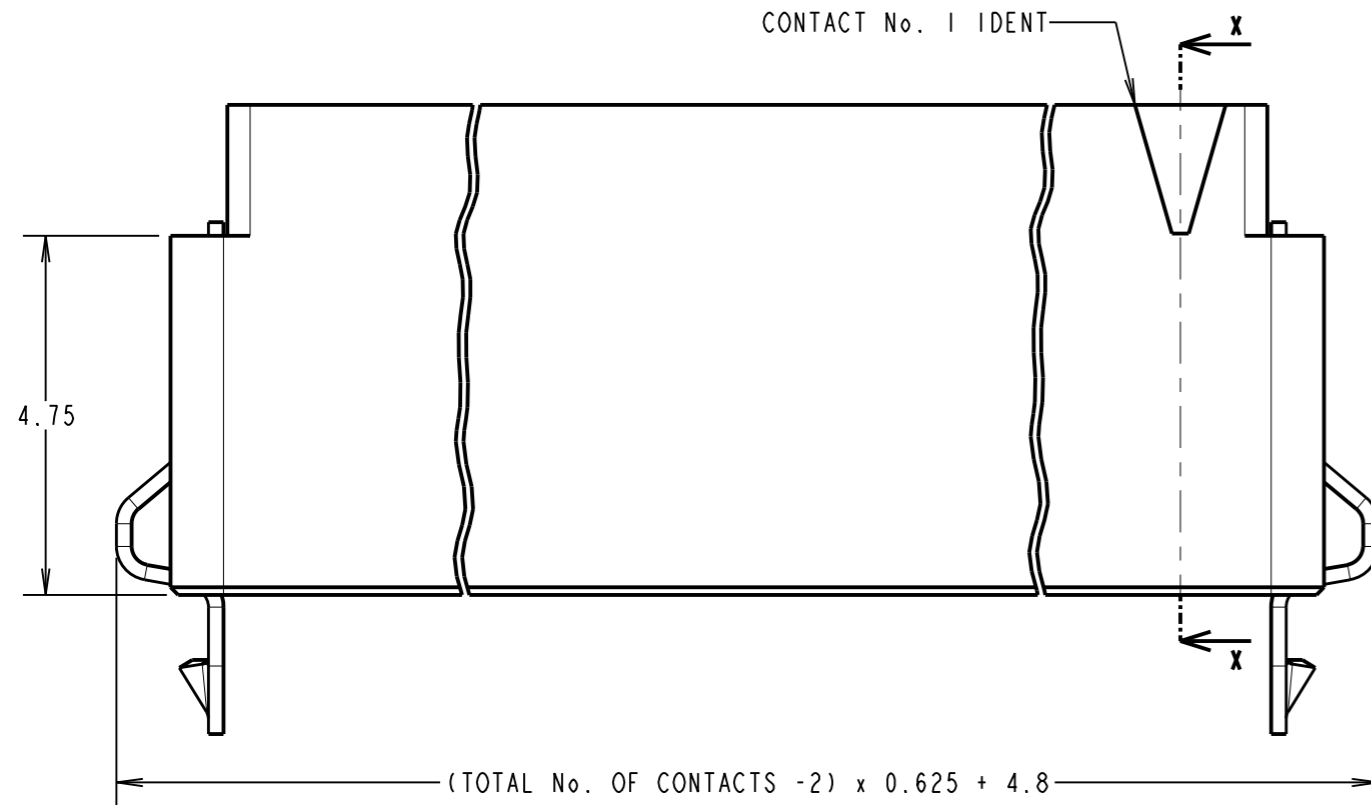
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

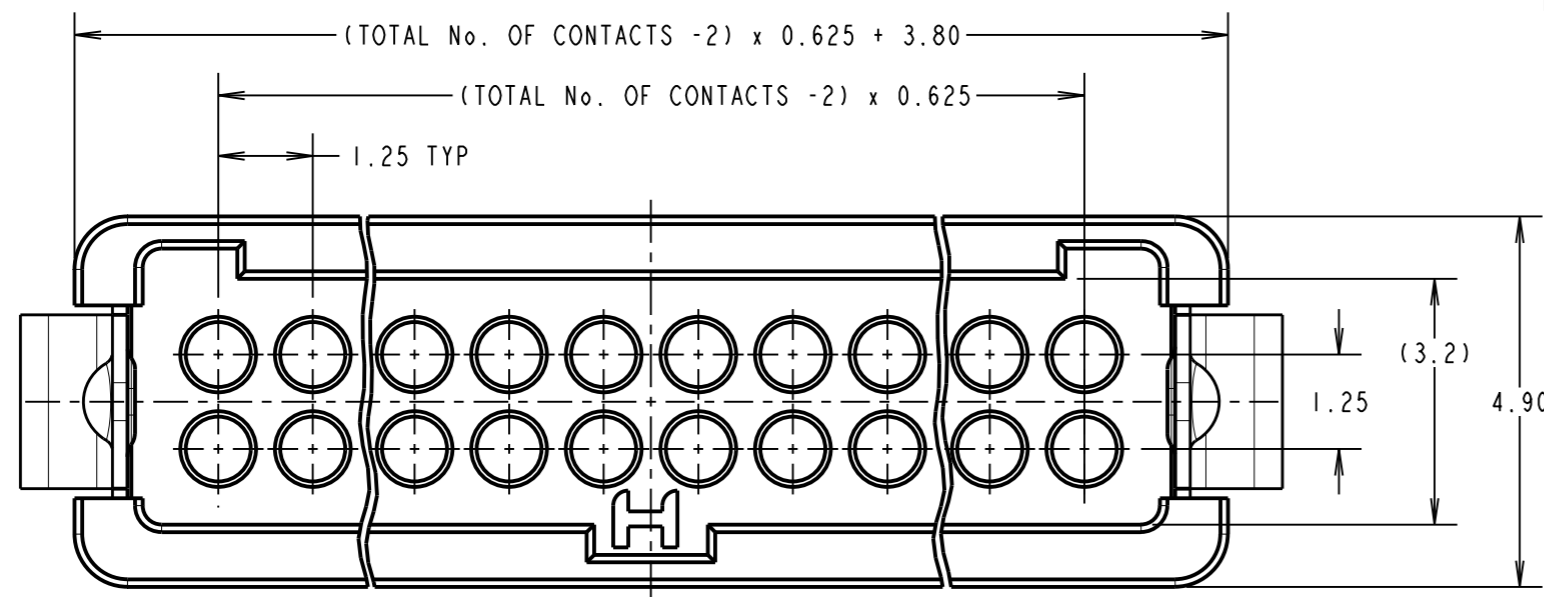
ALL DIMENSIONS IN mm



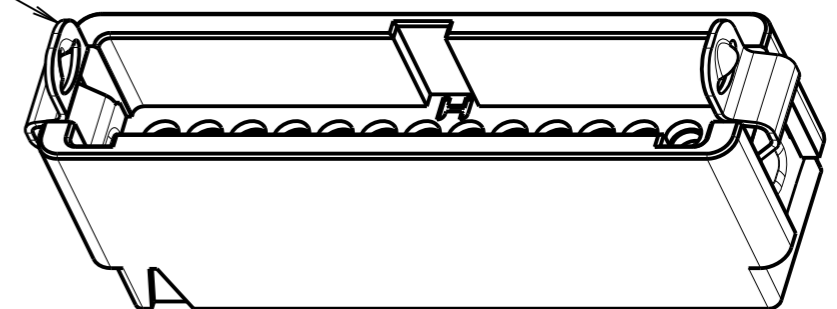
SECTION X-X



PATENT PENDING - UK 1205109.0



LATCHES (2-OFF)



**Clarke & Severn Electronics**  
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[www.cseonline.com.au](http://www.cseonline.com.au)

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.

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		FINISH: SEE SHEET 3 S/AREA: mm <sup>2</sup>	DRAWING NUMBER: <b>G125-304XX96L4</b>	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  
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