

Customer Information Sheet

DRAWING No.: G125-MHXXX05L7X

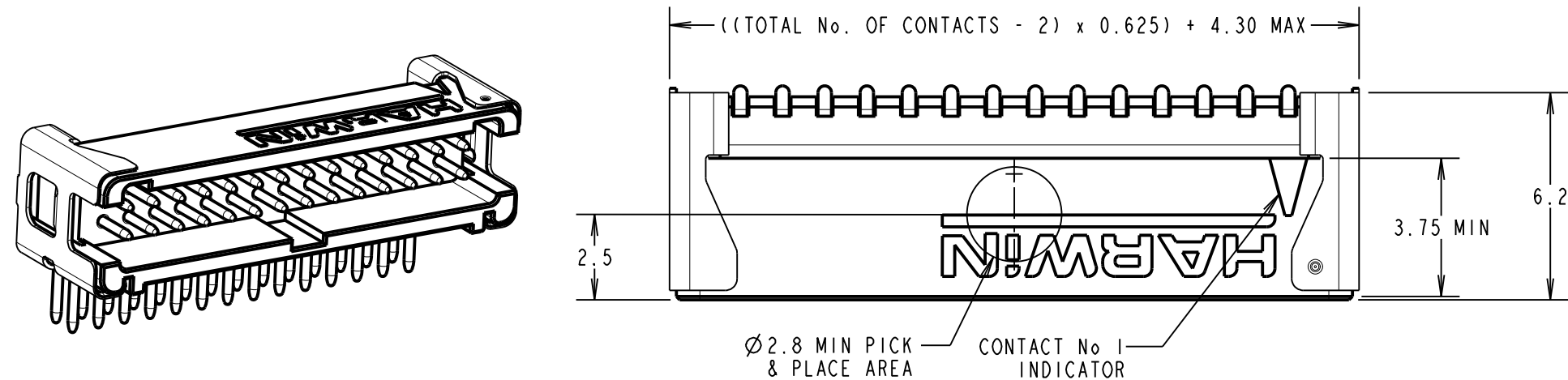
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

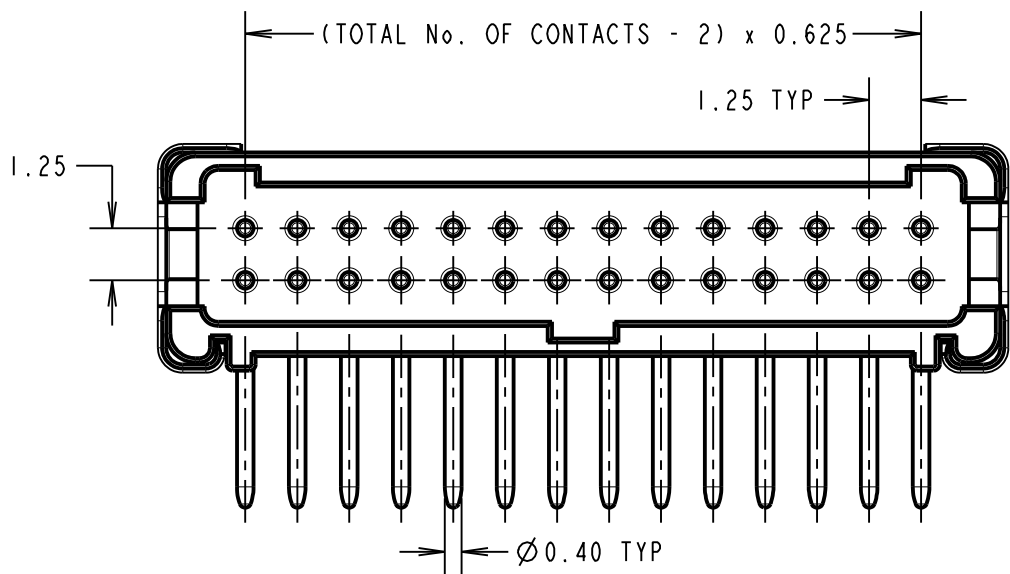
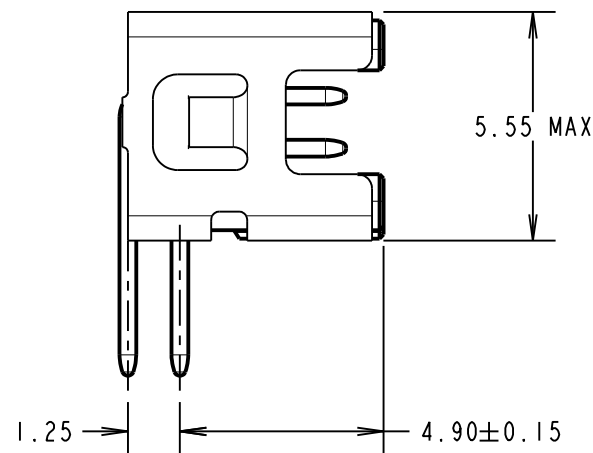


ORDER CODE: **G125-MHXXX05L7X**

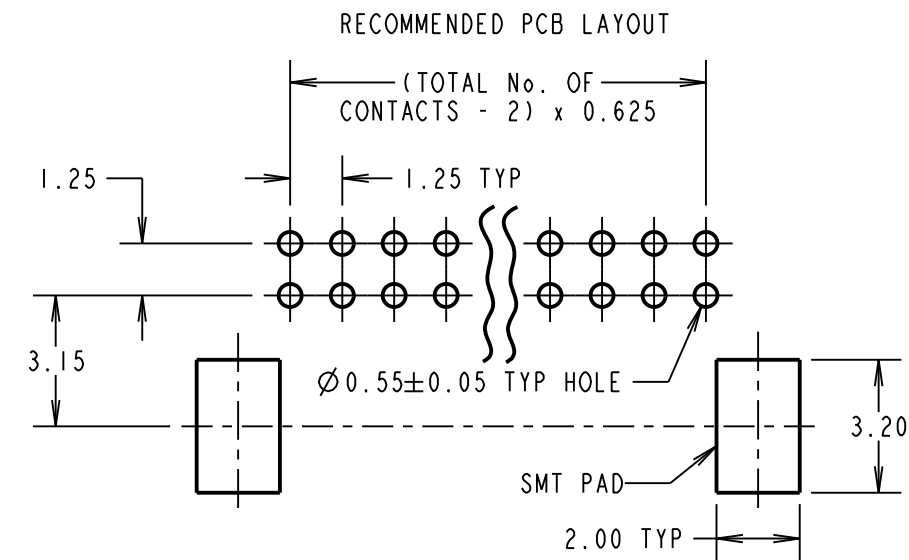
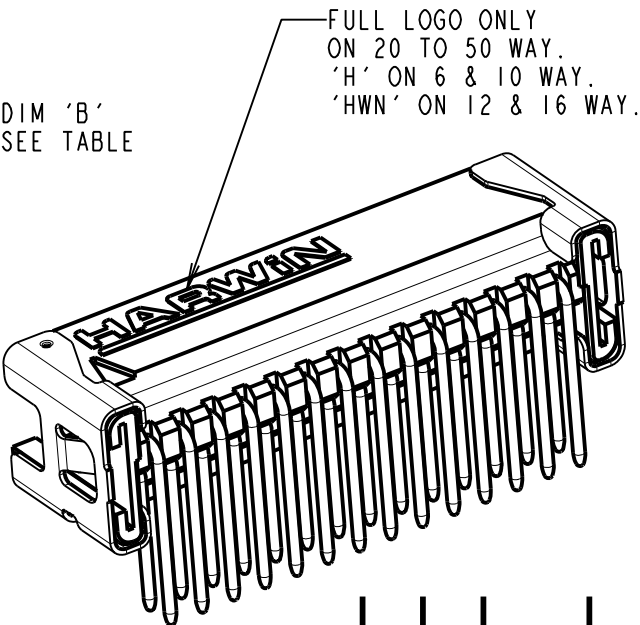
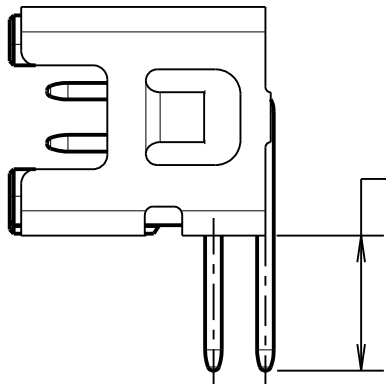
CONTACT STYLE:
3.3mm PC-TAIL = H1
4.8mm PC-TAIL = H2

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

PACK TYPE:
R = 250 PCS IN TAPE AND REEL
P = EACH (CUT TAPE LENGTHS)



CONTACT STYLE	DIM 'B'
H1	3.3±0.15
H2	4.8±0.15



CONNECTOR DETAILS AND PCB LAYOUT ONLY
SEE SHEET 3 FOR TAPE AND REEL DETAILS

- NOTES:
- FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C125XX (LATEST ISSUE). SEE G125-SERIES CONNECTORS SPECIFICATION SHEET FOR MATERIALS, FINISH AND SPECIFICATION SUMMARY.
 - SEE SHEET 3 FOR TAPE & REEL DETAILS OF THIS PRODUCT.

MGP	I	17.02.17	20385
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: MSP			
DRAWN: MARK G PLESTED			
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 NOTE 1

FINISH: SEE NOTE 1

S/AREA:

mm²

TITLE:

G125 MALE HORIZONTAL PC TAIL
SERIES IN TAPE & REEL

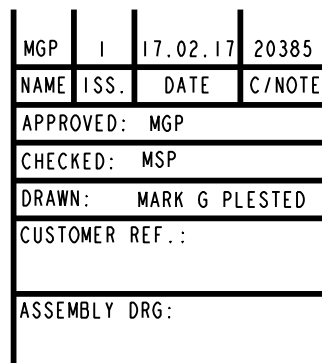
DRAWING NUMBER:

G125-MHXXX05L7X

SHT
2 OF 3

DRAWING No.: G125-MHXXX05L7X	IF IN DOUBT - ASK	(C)	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm
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ALL DIMENSIONS IN mm



- | | | |
|---|--|---------------|
| TITLE:
G125 MALE HORIZONTAL PC TAIL
SERIES IN TAPE & REEL | | SHT
3 OF 3 |
| DRAWING NUMBER:
G125-MHXXX05L7X | | |

Customer Information Sheet

DRAWING No.: G125-SERIES COMPONENT SPECIFICATION

IF IN DOUBT - ASK

(C)

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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

LATCHES:

COPPER NICKEL TIN ALLOY

BACK POTTING COMPOUND (CABLE ASSEMBLIES ONLY):

STYCAST 2651 MM BACK POTTING WITH CATALYST 9

FINISH:

ALL CONTACTS:
0.2-0.3 μ GOLD OVER NICKEL
LATCHES:
3.0 μ 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 11ms IN X&Y AXIS.

* EIA-364-01A : 2000: ACCELERATION: 490 mm/s² (50G)

* BUMP SEVERITY: 390 mm/s² (40G), 4000 $\pm$ 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 = 20m Ω MAX

EIA-364-06C : 2006: CONTACT RESISTANCE AFTER CONDITIONING = 25m Ω MAX

WORKING VOLTAGE:

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

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

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

INSULATION RESISTANCE:

EIA-364-21C : 2000: INSULATION RESISTANCE (INITIAL) = 10 G Ω MIN AT 500V DC

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

FOR FULL COMPONENT SPECIFICATION SEE C125XX (LATEST ISSUE).



PATENT PENDING - UK 1205109.0

SF	21.11.13	12281
NAME	DATE	C/NOTE
APPROVED:	S.FLOWER	
CHECKED:	S.BENNETT	
DRAWN:	S.FLOWER	

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TOLERANCES

X = $\pm$ 1mm
X.X = $\pm$ 0.25mm
X.XX = $\pm$ 0.10mm
X.XXX = $\pm$ 0.01mm
ANGLES = $\pm$ 5°
UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH: SEE ABOVE

TITLE:

G125 SERIES COMPONENT SPECIFICATION

DRAWING NUMBER:

G125-SERIES CONNECTORS

SHT
4 OF 4

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Harwin:

[G125-MH11205L7P](#) [G125-MH11005L7P](#) [G125-MH11605L7P](#) [G125-MH13405L7P](#) [G125-MH10605L7P](#) [G125-MH12605L7P](#) [G125-MH12005L7P](#) [G125-MH15005L7P](#) [G125-MH11605L7R](#) [G125-MH12005L7R](#) [G125-MH15005L7R](#) [G125-MH11205L7R](#) [G125-MH13405L7R](#) [G125-MH10605L7R](#) [G125-MH12605L7R](#) [G125-MH11005L7R](#)