

Customer Information Sheet

DRAWING No.: G125-MV1XX05MIR

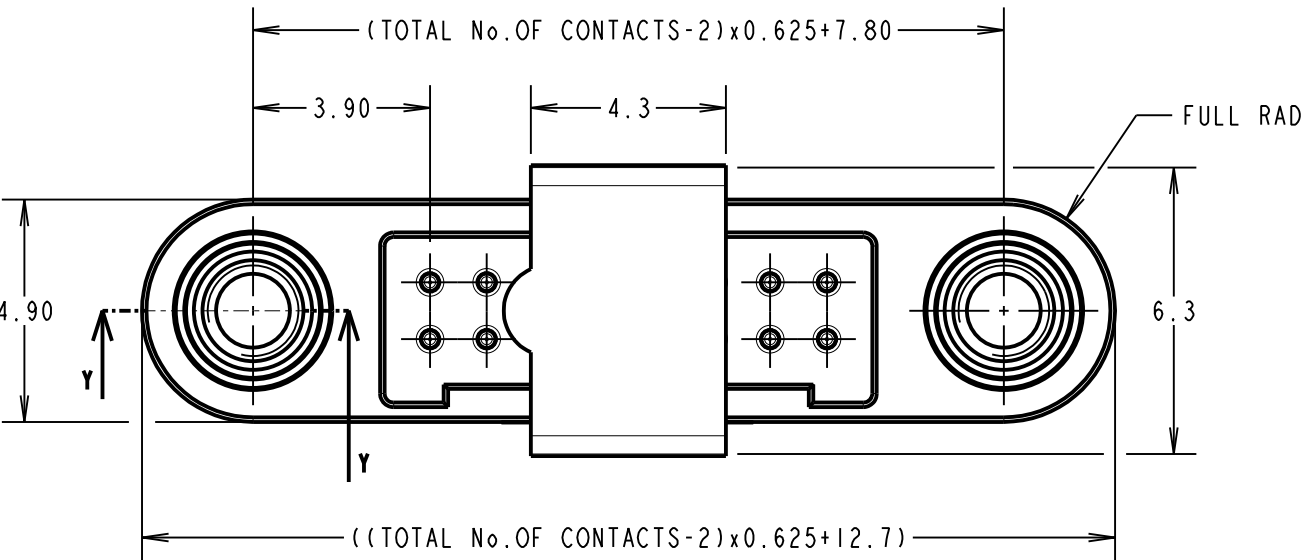
IF IN DOUBT - ASK

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NOT TO SCALE

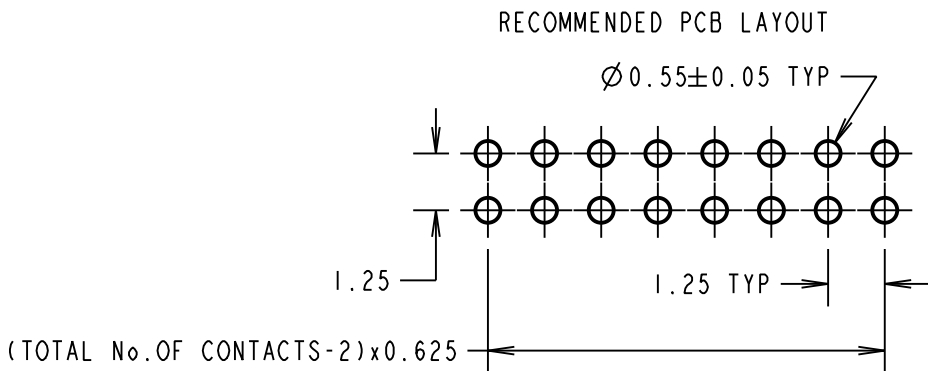
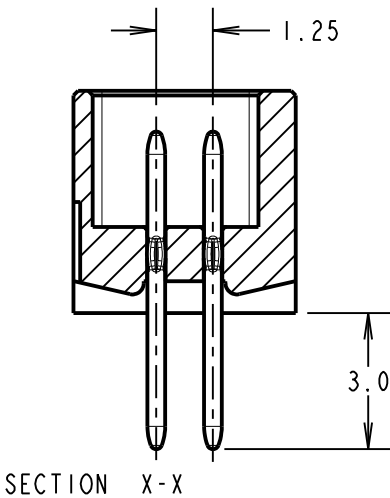
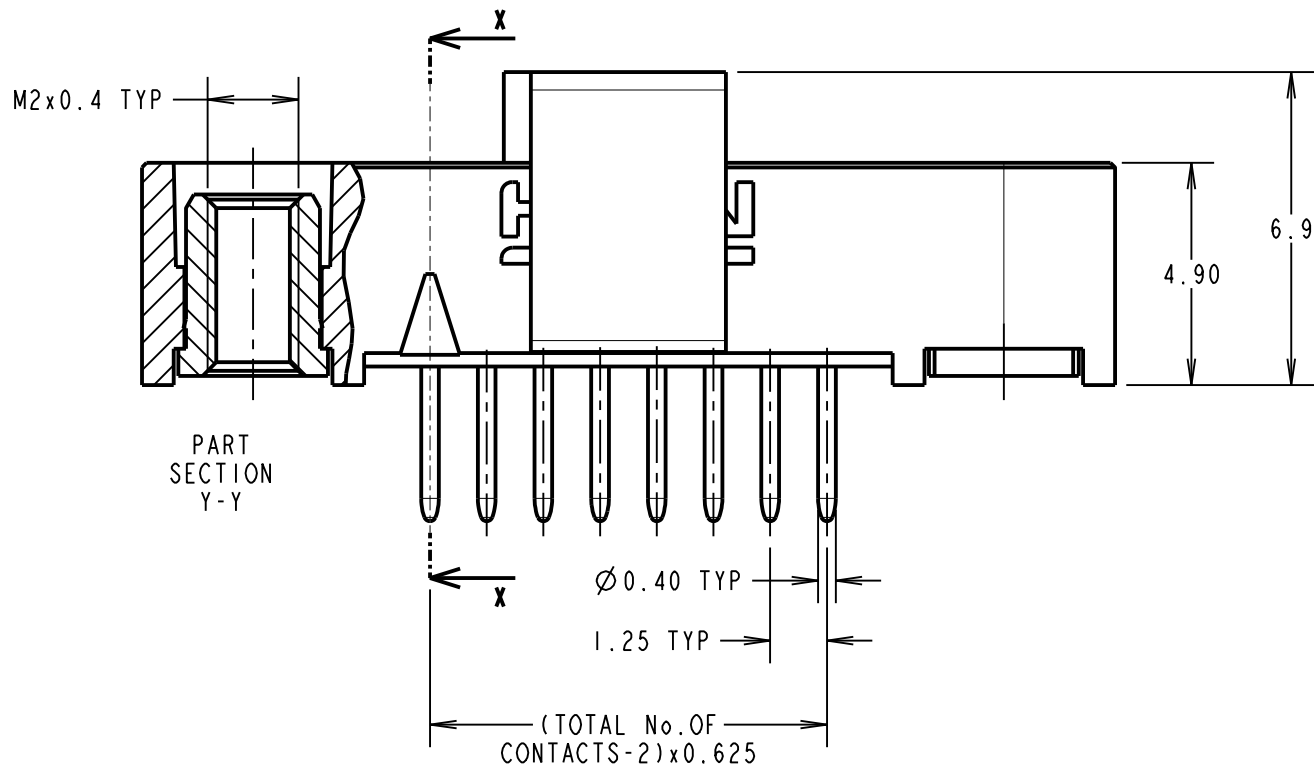
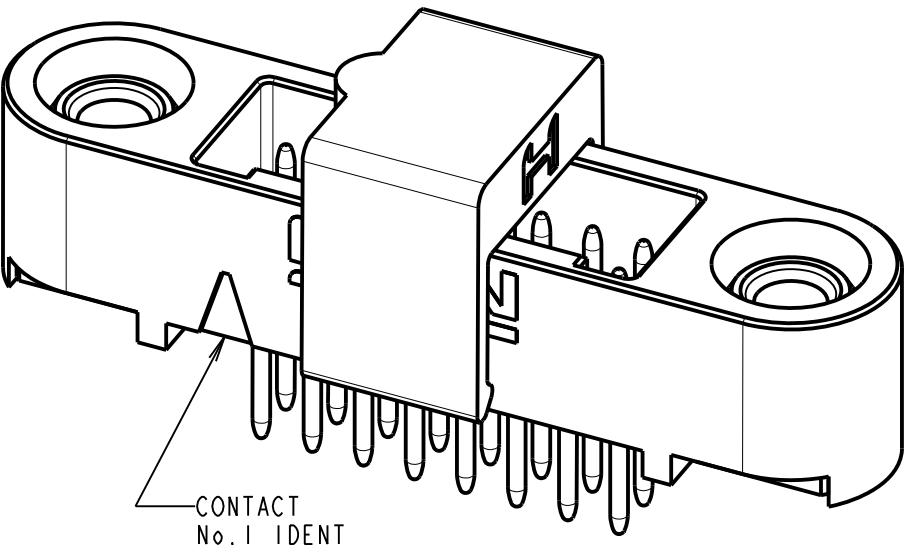
THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



ORDER CODE: **G125-MV1XX05MIR**

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



CONNECTOR AND PCB LAYOUT DETAILS ONLY
SEE SHEET 5 FOR TAPE AND REEL DETAILS

- NOTES:
- FOR MATERIALS, FINISH AND SPECIFICATIONS SEE GECKO SERIES SPECIFICATION SUMMARY SHEET OR COMPONENT SPECIFICATION C125XX (LATEST ISSUE) FOR FULL SPECIFICATION.
 - SEE SHEET 5 FOR TAPE & REEL DETAILS OF THIS PRODUCT.
 - DRAWING SHOWS CONNECTOR WITH 16 CONTACTS.



MR	I	24.10.18	21562
NAME	ISS.	DATE	C/NOTE
APPROVED:		M. RUDKIN	
CHECKED:		S. BENNETT	
DRAWN:		MARK G PLESTED	
CUSTOMER REF.:			
ASSEMBLY DRG:			

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www.harwin.com
technical@harwin.com

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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: GECKO SL SERIES MALE VERTICAL PCT CONNECTOR IN T&R
DRAWING NUMBER: G125-MV1XX05MIR
SHT 4 OF 5

Customer Information Sheet

DRAWING No.: G125-MVIXX05MIR

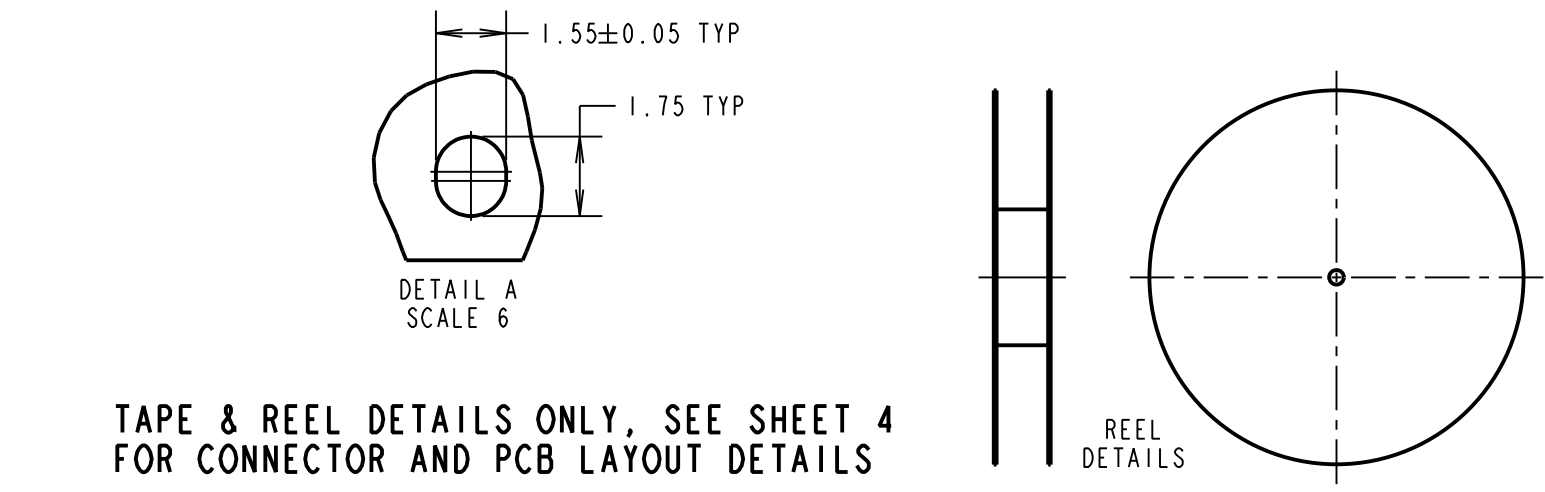
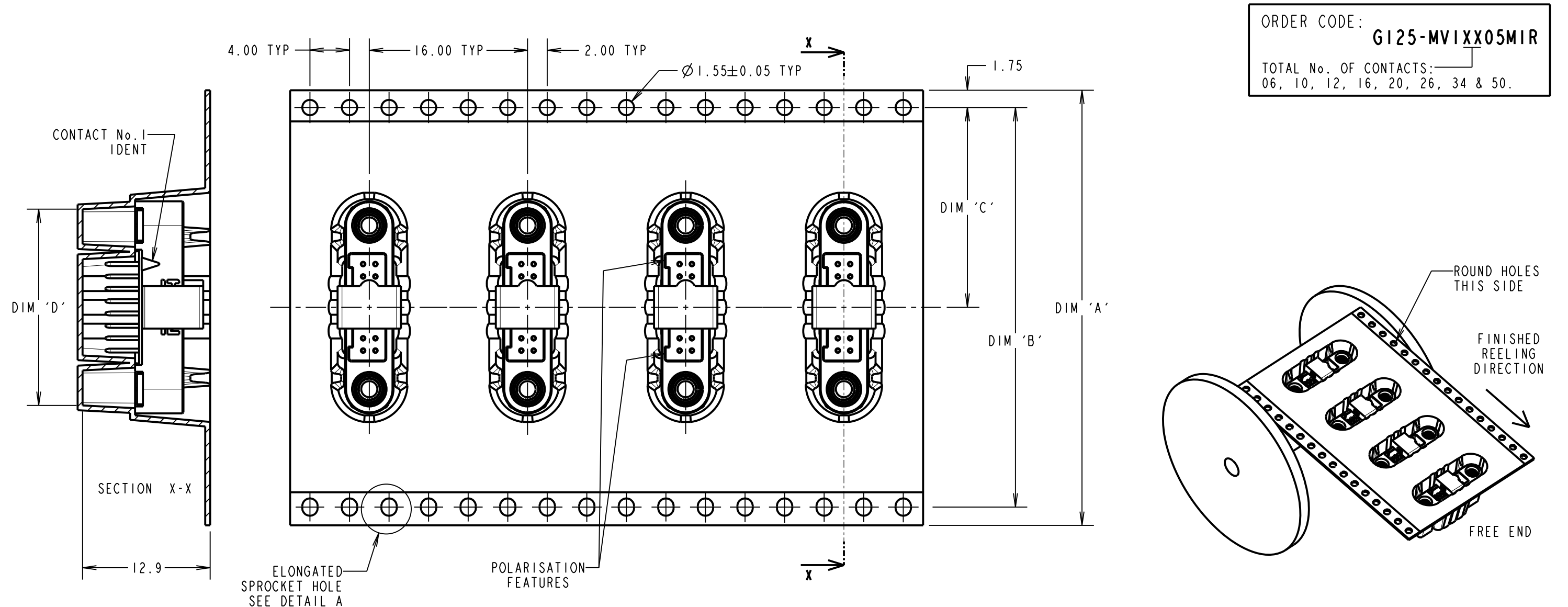
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THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



PART No.	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'
G125-MVI0605MIR	32.0±0.3	28.40	14.20	13.60
G125-MVII005MIR				16.10
G125-MVII205MIR				17.35
G125-MVII605MIR	44.0±0.3	40.40	20.20±0.15	19.85
G125-MVI2005MIR				22.20±0.15
G125-MVI2605MIR				26.00±0.15
G125-MVI3405MIR	56.0±0.3	52.40	26.20±0.15	30.90±0.15
G125-MVI5005MIR				41.00±0.15

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CHECKED: S.BENNETT			
DRAWN: MARK G PLESTED			
CUSTOMER REF.:			
ASSEMBLY DRG:			

TAPE & REEL DETAILS ONLY, SEE SHEET 4 FOR CONNECTOR AND PCB LAYOUT DETAILS

- NOTES CONT.:
- THIS PRODUCT IS TAPE AND REELED IN GENERAL ACCORDANCE WITH EIA-481 (ELECTRONICS INDUSTRIES ASSOCIATION).
 - COMPONENTS ARE ORIENTED IN TAPE POCKETS AS SHOWN.
 - COMPONENTS ARE SUPPLIED IN REELS OF 250 CONNECTORS.
 - SEE DRAWING G125-MVIXX05MIP OTHER QUANTITIES.

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X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

MATERIAL:
SEE SHEET 4
FINISH: SEE SHEET 4
S/AREA: mm²

TITLE:
GECKO SL SERIES MALE VERTICAL PCT CONNECTOR IN T&R
DRAWING NUMBER:
G125-MVIXX05MIR
SHT 5 OF 5

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:

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:
0.2-0.3 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-364-27B : 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 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 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).

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

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:			

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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

Mouser Electronics

Authorized Distributor

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

Harwin:

[G125-MV10605M1R](#) [G125-MV11005M1R](#) [G125-MV11205M1R](#) [G125-MV11605M1R](#) [G125-MV12005M1R](#) [G125-MV12605M1R](#) [G125-MV13405M1R](#) [G125-MV15005M1R](#)