

Customer Information Sheet

DRAWING No.: G125-MV1XX05M3R

IF IN DOUBT - ASK

©

NOT TO SCALE

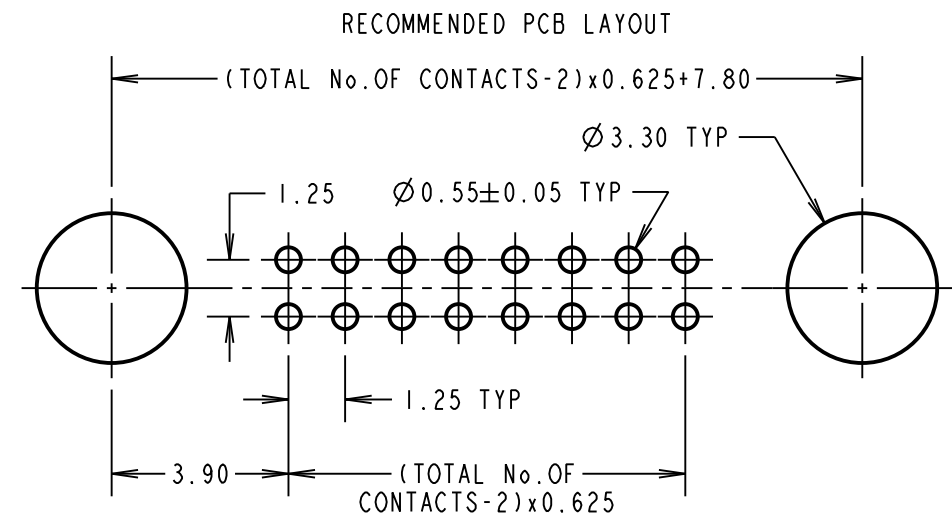
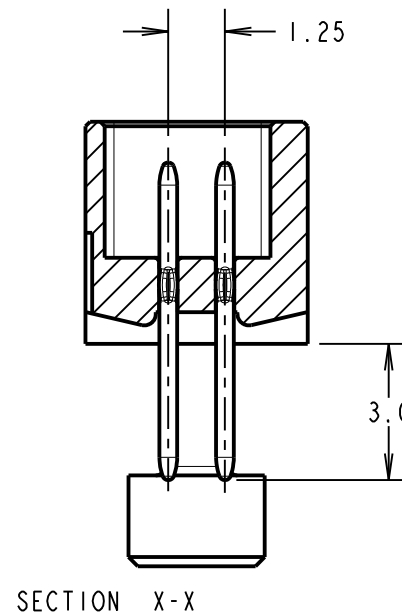
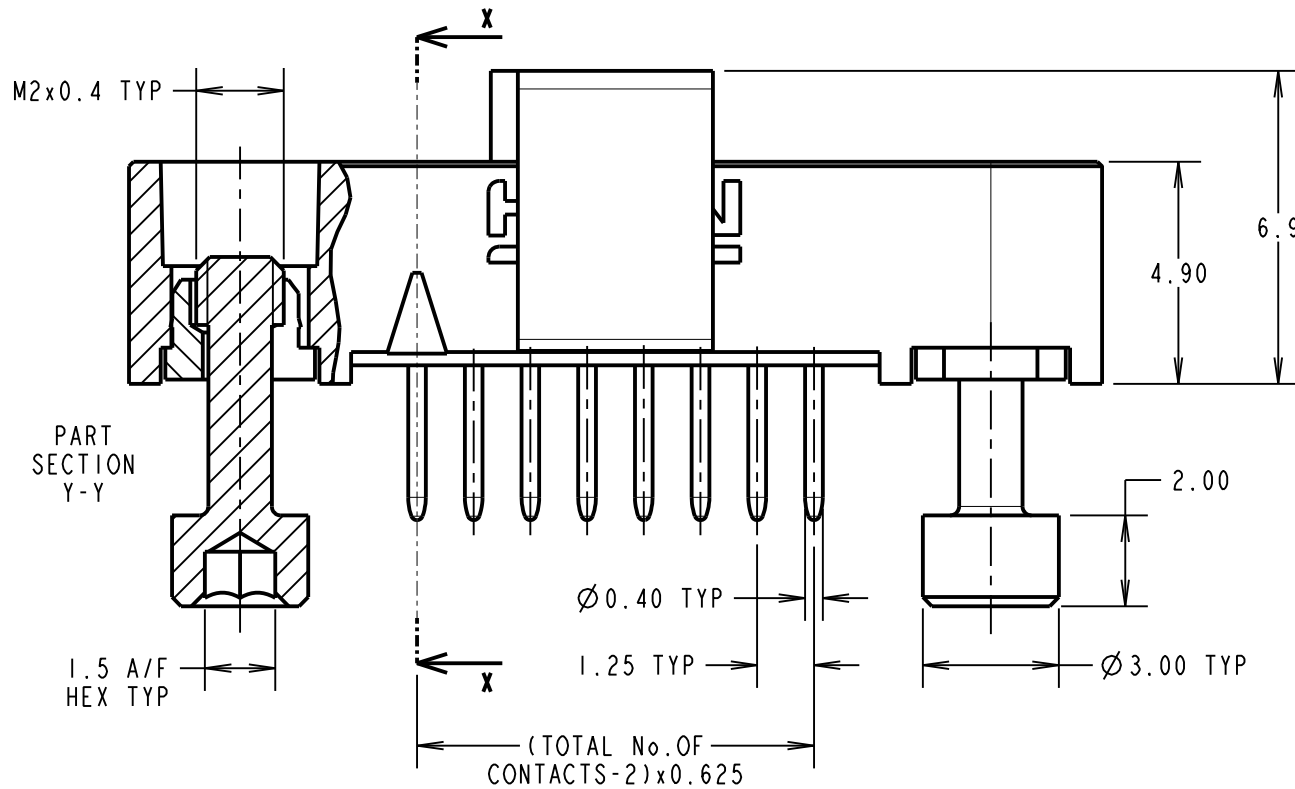
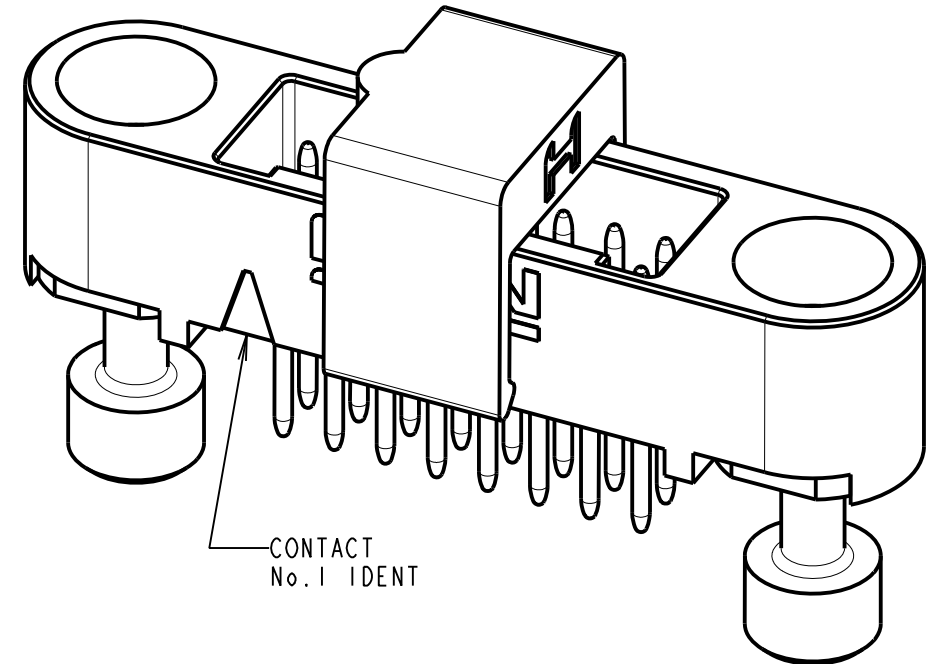
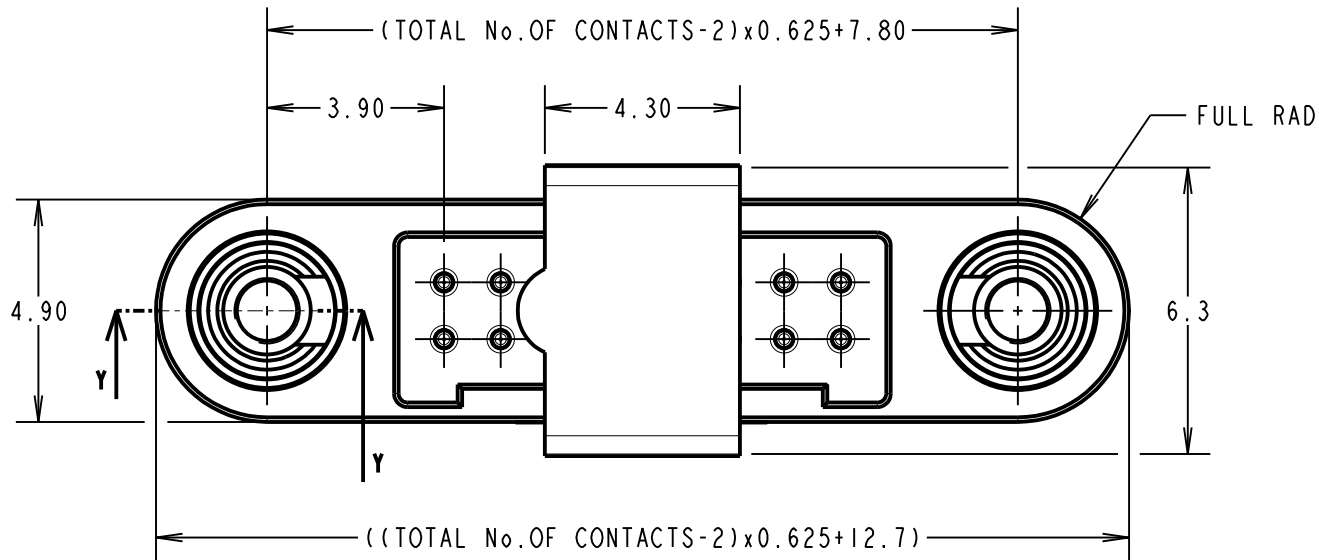
THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

ORDER CODE:

G125-MV1XX05M3R

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:

1. FOR MATERIALS, FINISH AND SPECIFICATIONS SEE GECKO SERIES SPECIFICATION SUMMARY SHEET OR COMPONENT SPECIFICATION C125XX (LATEST ISSUE) FOR FULL SPECIFICATION.

2. DRAWING SHOWS CONNECTOR WITH 16 CONTACTS.



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TOLERANCES

X. = $\pm 1\text{mm}$
X.X = $\pm 0.50\text{mm}$
X.XX = $\pm 0.10\text{mm}$
X.XXX = $\pm 0.01\text{mm}$

ANGLES = +4

UNLESS STATE

MATERIAL:

SEE ABOVE

FINISH:

SEE ABOVE

S/AREA:

mm²

TITLE:

GECKO SL REVERSE FIX MALE
VERTICAL PCT CONNECTOR IN T&R

DRAWING NUMBER:

G125-MV1XX05M3R

SHT
OF 5

MR	I	02.11.18	21601
NAME	ISS.	DATE	C/NOTE
APPROVED:		M.RUDKIN	
CHECKED:		S.BENNETT	
DRAWN: MARK G PLESTED			
CUSTOMER REF.:			
ASSEMBLY DRG:			

Customer Information Sheet

DRAWING No.: G125-MV1XX05M3R

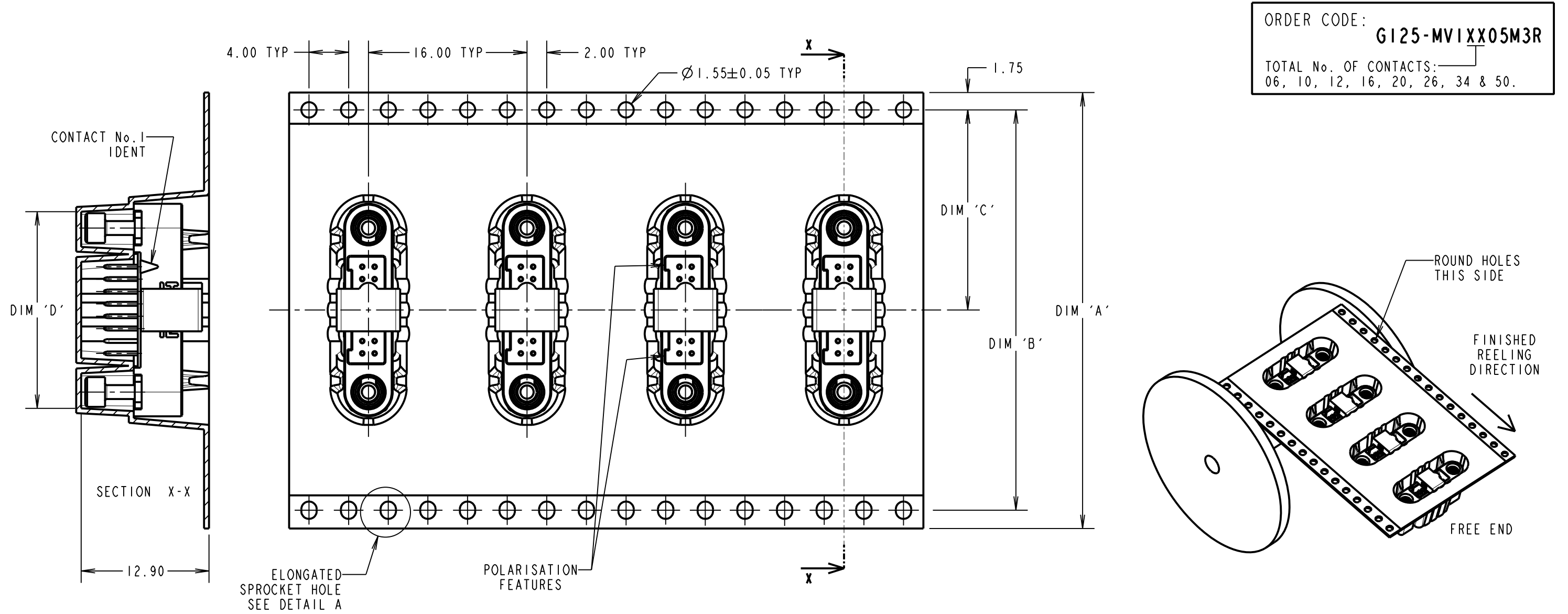
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THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



DETAIL A
SCALE 6

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

PART No.	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'
G125-MV10605M3R	32.0±0.3	28.40	14.20	13.60
G125-MV11005M3R				16.10
G125-MV11205M3R				17.35
G125-MV11605M3R	44.0±0.3	40.40	20.20±0.15	19.85
G125-MV12005M3R				22.20±0.15
G125-MV12605M3R				26.00±0.15
G125-MV13405M3R	56.0±0.3	52.40	26.20±0.15	30.90±0.15
G125-MV15005M3R				41.00±0.15

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

* 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± 10 BUMPS
* TESTED WITH LATCHED CONNECTORS

CONTACTS:

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

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

LOCKING HARDWARE:

LATCHES: COPPER NICKEL TIN ALLOY
SCREW LOCK: STAINLESS STEEL

CONTACT RESISTANCE:

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

BACK POTTING COMPOUND (CABLE ASSEMBLIES ONLY):
STYCAST 2651 MM BACK POTTING WITH CATALYST 9

WORKING VOLTAGE:

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

MECHANICAL:

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

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

ENVIRONMENTAL:

CLASSIFICATION: 65/150/56 DAYS AT 93% RH

FOR FULL COMPONENT SPECIFICATION SEE C125XX (LATEST ISSUE).

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

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:			

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 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-MV10605M3R](#) [G125-MV11005M3R](#) [G125-MV11205M3R](#) [G125-MV11605M3R](#) [G125-MV12005M3R](#) [G125-MV12605M3R](#) [G125-MV13405M3R](#) [G125-MV15005M3R](#)