

Customer Information Sheet

DRAWING No.: G125-MS1XX05M2X

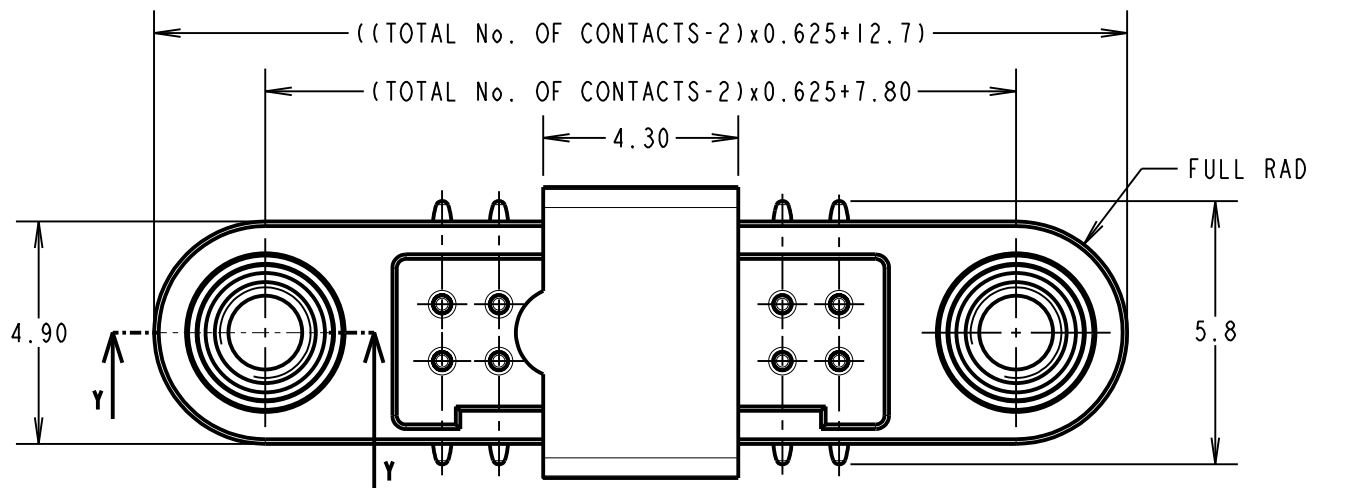
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

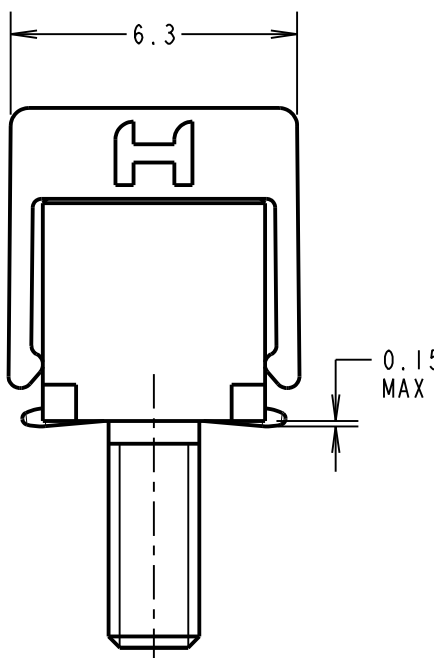
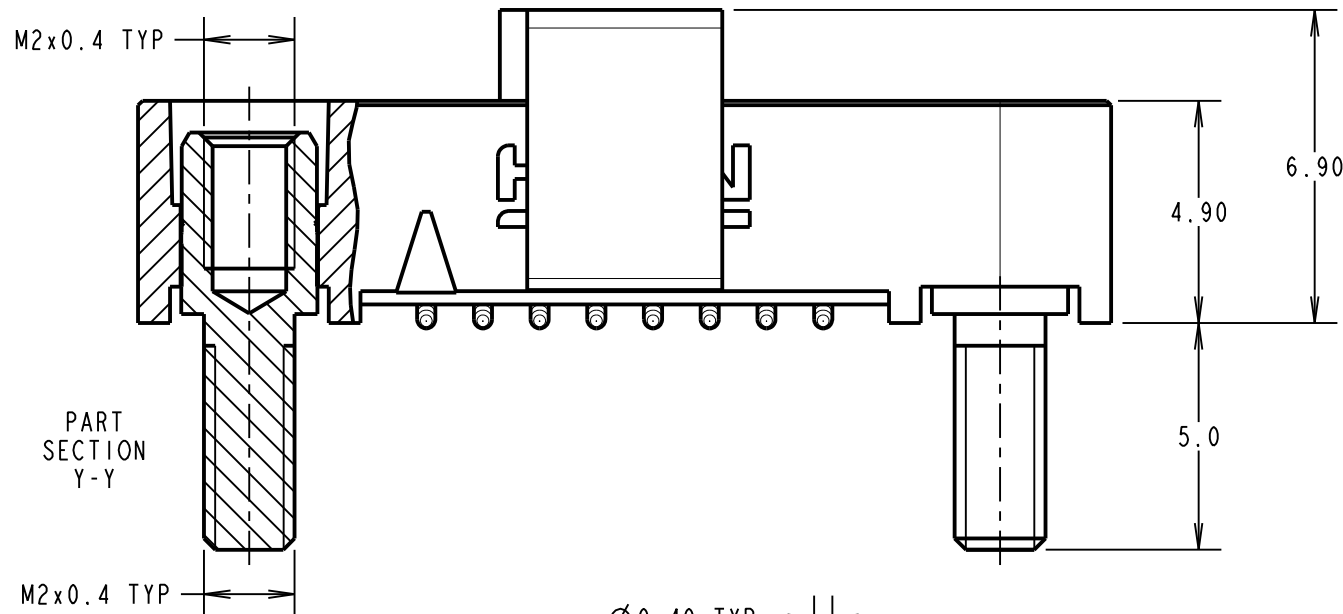
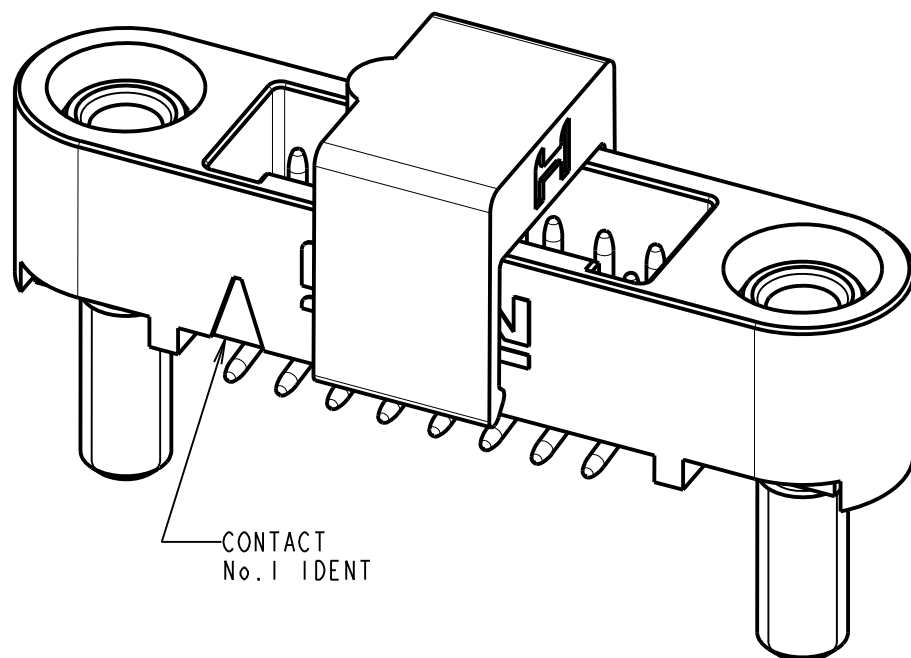
ALL DIMENSIONS IN mm



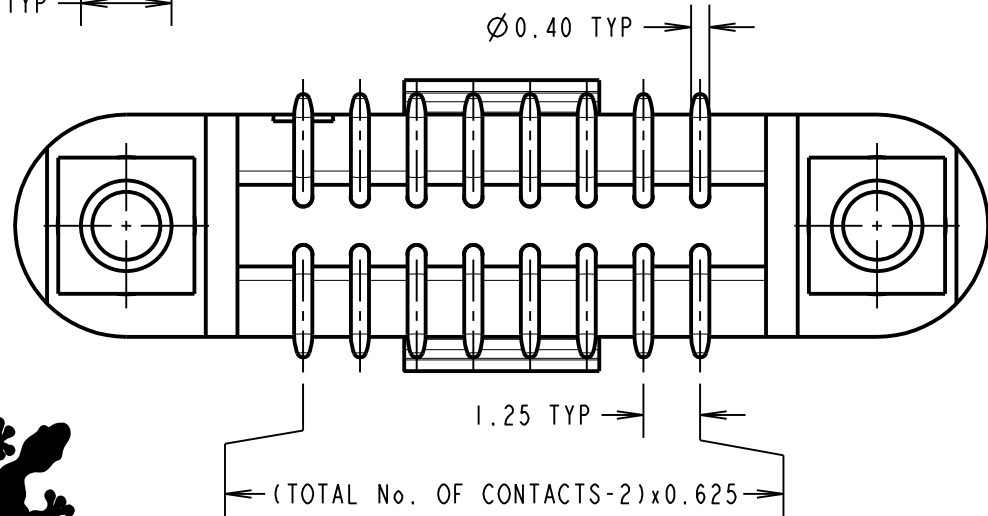
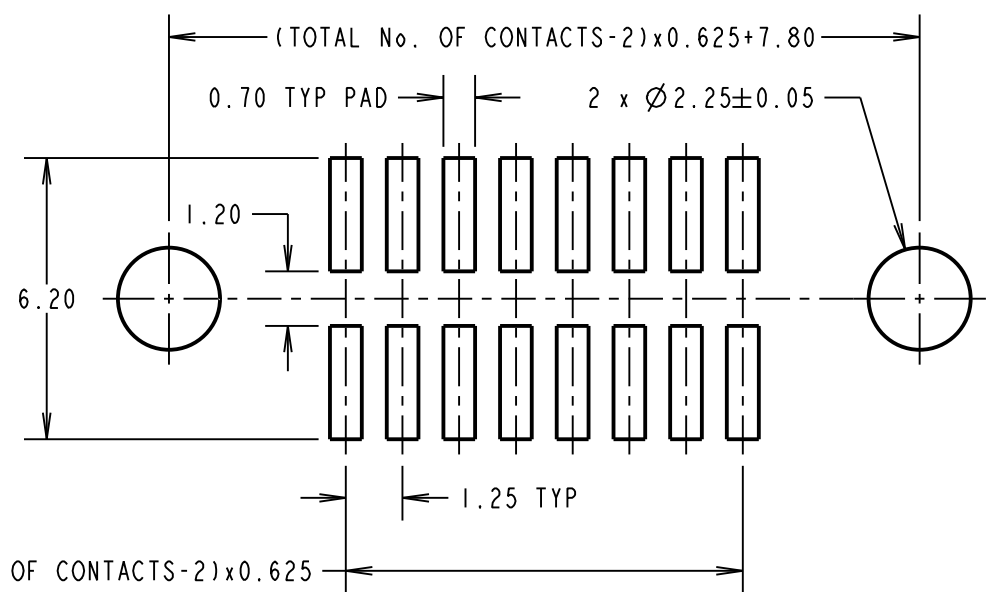
ORDER CODE: **G125-MS1XX05M2X**

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

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



RECOMMENDED PCB LAYOUT



CONNECTOR AND PCB LAYOUT DETAILS ONLY SEE SHEET 3 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. SEE SHEET 3 FOR TAPE & REEL DETAILS OF THIS PRODUCT.
 3. CO-PLANARITY OF SMT TAILS = 0.10mm MAX.
 4. DRAWING SHOWS CONNECTOR WITH 16 CONTACTS.
 5. FOR BOARD MOUNT NUTS ORDER SEPARATELY PART NUMBER:
G125-4500000B HEXAGONAL THIN NUT - BAG OF 12 OR
G125-4510000B ROUND SLOTTED NUT - BAG OF 12.



PATENT PENDING - UK 1205109.0

MSP	D	19.07.17	20695
NAME	ISS.	DATE	C/NOTE
APPROVED: M.PERREN			
CHECKED: M.PLESTED			
DRAWN: MARK G PLESTED			
CUSTOMER REF.:			
ASSEMBLY DRG:			

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 ABOVE
FINISH: SEE ABOVE
S/AREA: mm²

TITLE: GECKO SL SERIES MALE VERTICAL SMT CONNECTOR IN T&R
DRAWING NUMBER: **G125-MS1XX05M2X**
SHT 2 OF 3

Customer Information Sheet

DRAWING No.: G125-MS1XX05M2X

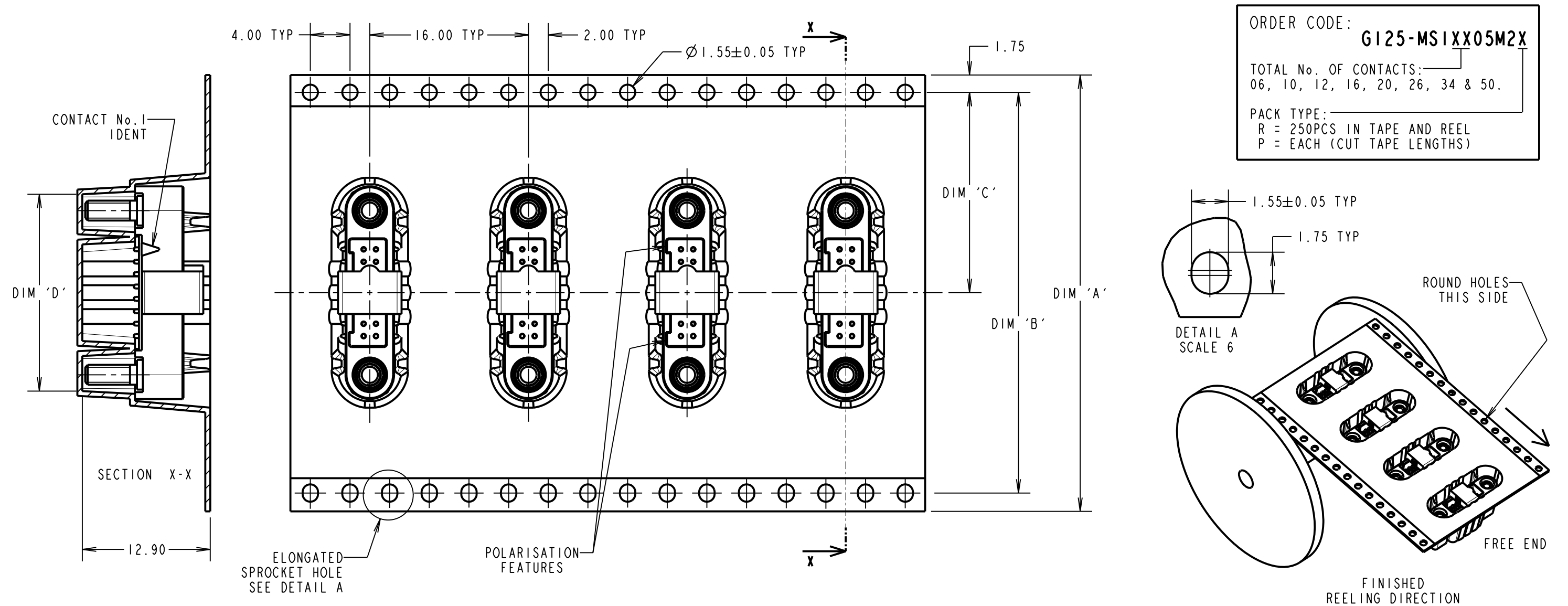
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

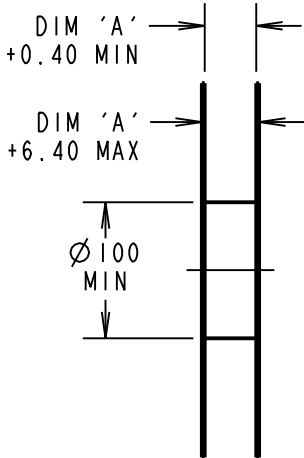


ORDER CODE: **G125-MS1XX05M2X**

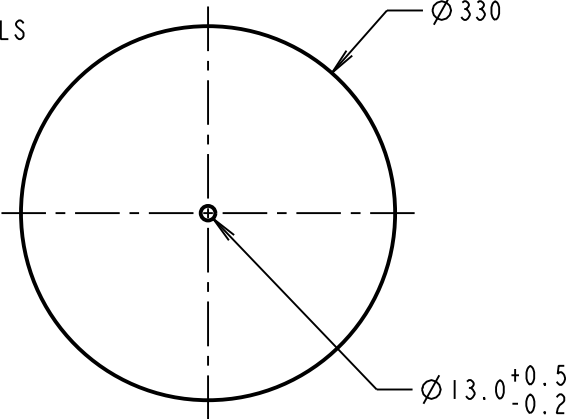
TOTAL No. OF CONTACTS: 06, 10, 12, 16, 20, 26, 34 & 50.

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

REELED PART No.	LOOSE PART No.	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'
G125-MS10605M2R	G125-MS10605M2P	32.0±0.3	28.40	14.20	13.60
G125-MS11005M2R	G125-MS11005M2P				16.10
G125-MS11205M2R	G125-MS11205M2P				17.35
G125-MS11605M2R	G125-MS11605M2P	44.0±0.3	40.40	20.20±0.15	19.85
G125-MS12005M2R	G125-MS12005M2P				22.20±0.15
G125-MS12605M2R	G125-MS12605M2P				26.00±0.15
G125-MS13405M2R	G125-MS13405M2P				30.90±0.15
G125-MS15005M2R	G125-MS15005M2P	56.0±0.3	52.40	26.20±0.15	41.00±0.15



REEL
DETAILS



FINISHED
REELING DIRECTION

G125-MS1XX05M2R
PRODUCT ONLY

MSP	D	19.07.17	20695
NAME	ISS.	DATE	C/NOTE
APPROVED: M.PERREN			
CHECKED: M.PLESTED			
DRAWN: MARK G PLESTED			
CUSTOMER REF.:			
ASSEMBLY DRG:			

- NOTES:
- FOR "R" QUANTITY OF COMPONENTS PER REEL = 250.
 - FOR "P" QUANTITIES ARE EACH AND CUT FROM G125-MS1XX05M2R.
 - THIS PRODUCT IS TAPED AND REELED IN ACCORDANCE WITH EIA-481 (ELECTRONIC INDUSTRIES ASSOCIATION).
 - COMPONENTS ARE ORIENTATED IN TAPE POCKETS SO THAT THE POLARISING FEATURES ARE FACING AWAY FROM THE FREE END.

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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 2

FINISH:

SEE SHEET 2

S/AREA:

mm²

TITLE:

GECKO SL SERIES MALE
VERTICAL SMT CONNECTOR IN T&R

DRAWING NUMBER:

G125-MS1XX05M2X

SHT
3 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:

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 3

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).

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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TOLERANCES

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X.X = $\pm$ 0.50mm
X.XX = $\pm$ 0.10mm
X.XXX = $\pm$ 0.01mm
ANGLES = $\pm$ 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