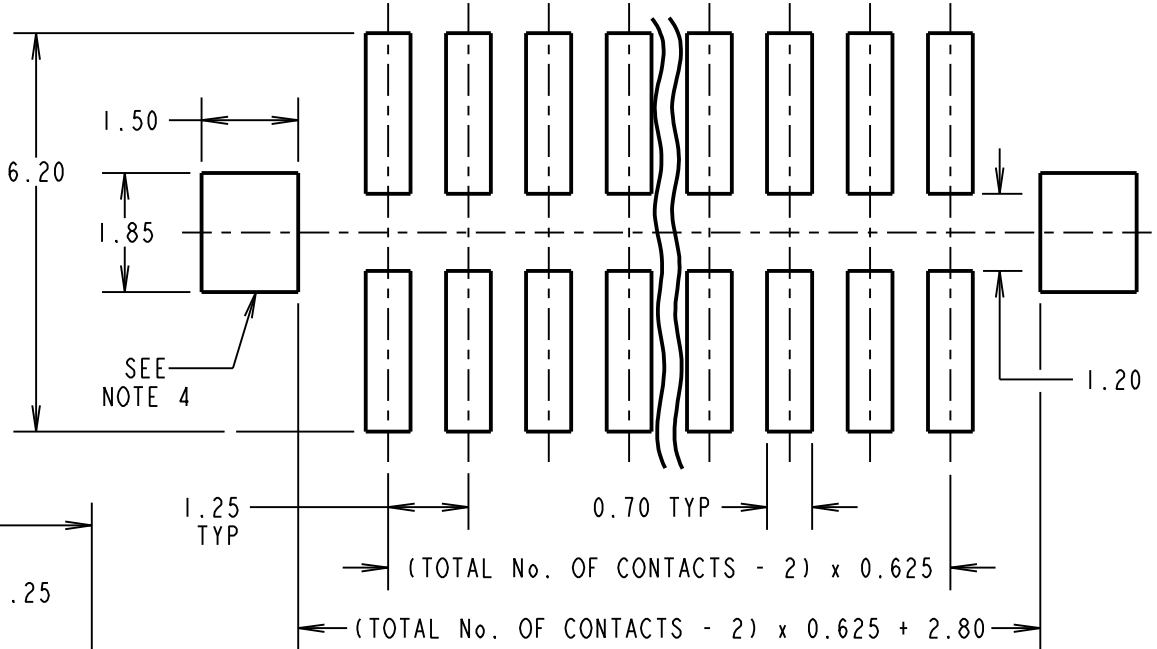
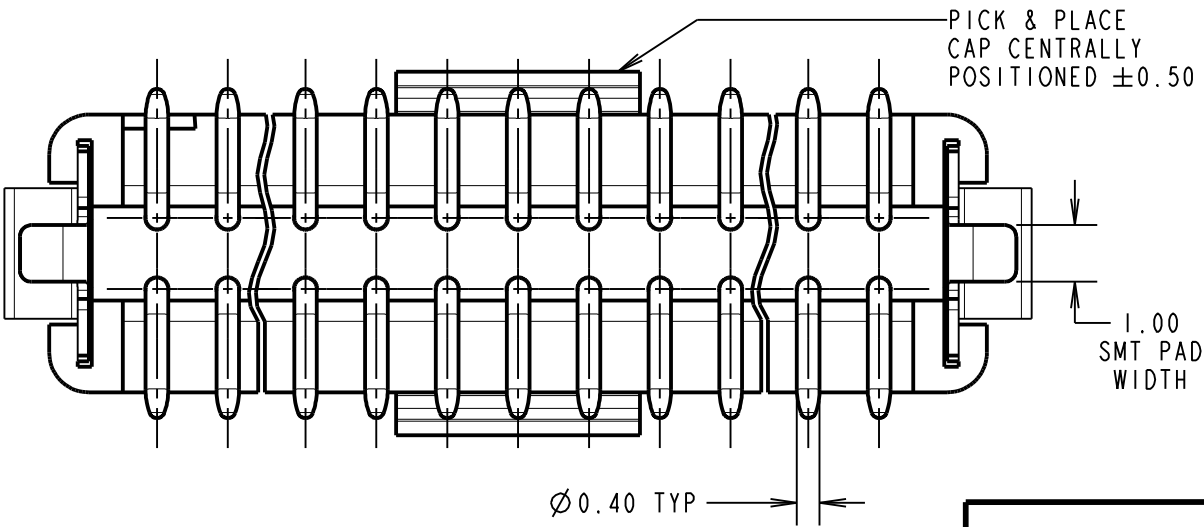
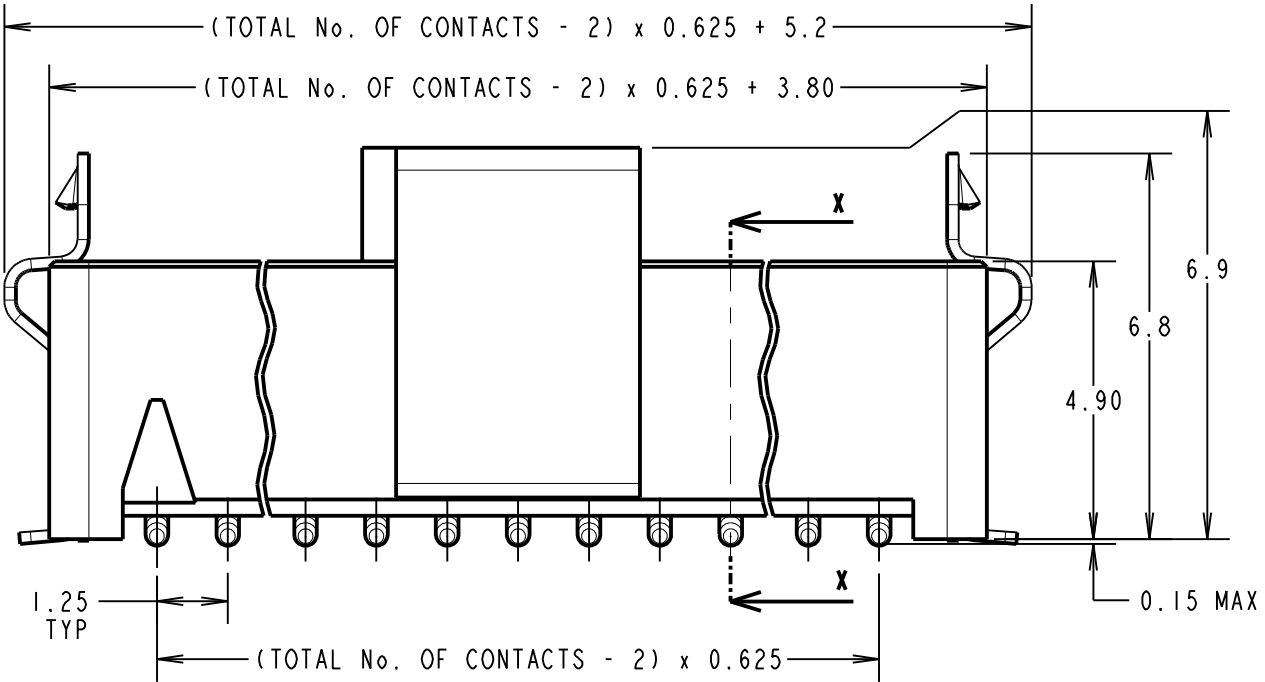
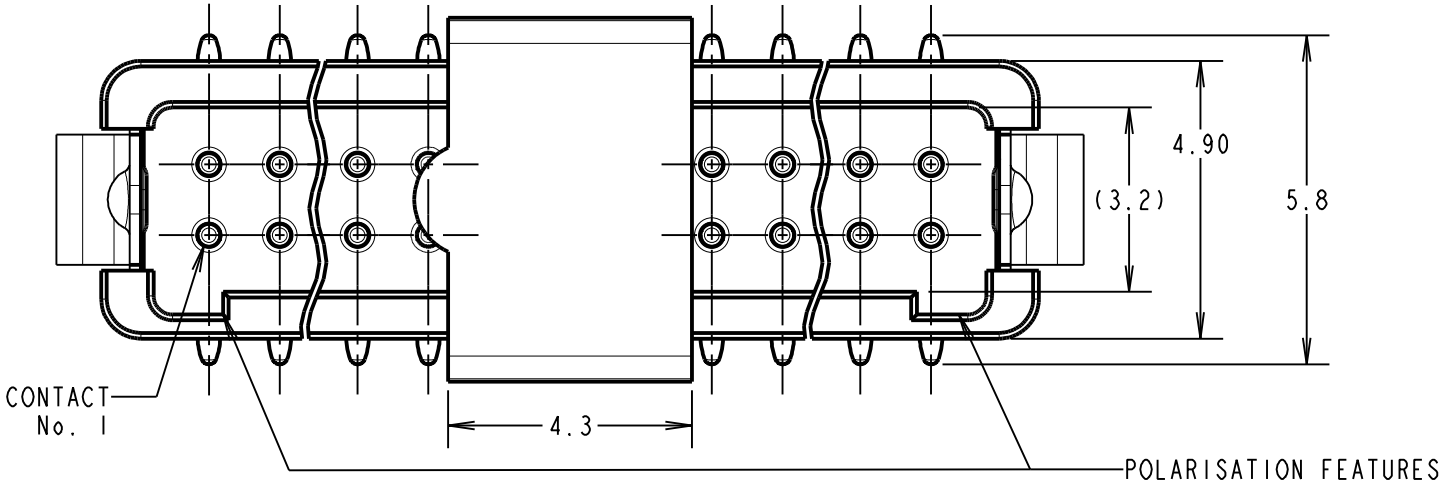
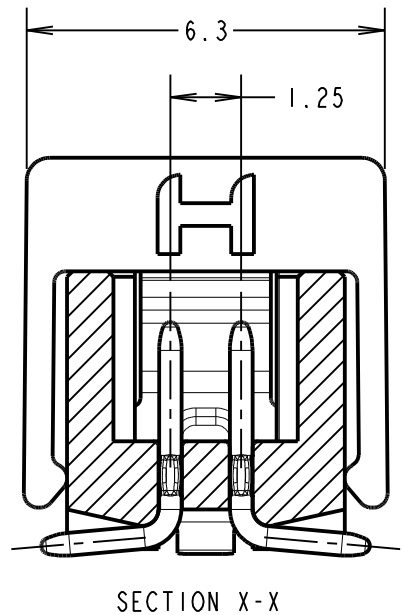


Customer Information Sheet

DRAWING No.: G125-MS1XX05LXX IF IN DOUBT - ASK (C) NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm



RECOMMENDED PCB LAYOUT



SECTION X-X

ORDER CODE: **G125-MS1XX05LXX**

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

LATCHES:
NO LATCHES = L0
SMT LATCHES = L3

PACK TYPE:
R = 400PCS IN TAPE AND REEL
P = EACH (CUT TAPE LENGTHS)

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

- NOTES:
1. FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C125XX (LATEST ISSUE).
 2. CO-PLANARITY OF SMT TAILS AND LATCHES NOT TO EXCEED 0.10mm. RECOMMENDED SOLDER PASTE THICKNESS = 0.125mm MIN.
 3. LATCHES SHOWN FOR ILLUSTRATION ONLY. WHEN "L0" IS SPECIFIED IN ORDER CODE NO LATCHES WILL BE FITTED/SUPPLIED.
 4. PADS NOT REQUIRED WHEN "L0" IS SPECIFIED IN ORDER CODE.
 5. SEE SHEET 3 FOR TAPE & REEL DETAILS OF THIS PRODUCT.

MSP	2	12.05.15	12896
NAME	ISS.	DATE	C/NOT
APPROVED:		M.PERREN	
CHECKED:		M.PLESTED	
DRAWN:		S.FLOWER	
CUSTOMER REF.:			
ASSEMBLY DRG:			

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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 SHEET 4
FINISH:
S/AREA: mm²

TITLE:
1.25mm GECKO MALE VERTICAL
SMT CONNECTORS IN TAPE & REEL
DRAWING NUMBER:
G125-MS1XX05LXX
SHT 2 OF 4

Customer Information Sheet

DRAWING No.: G125-MS1XX05LXX

SHEET 2 OF 2

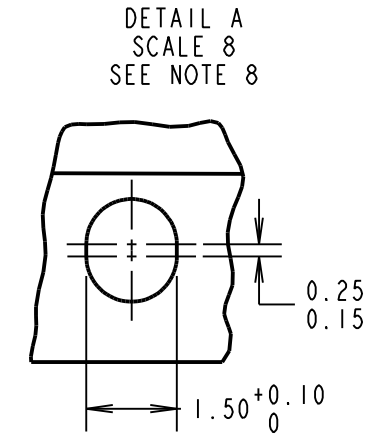
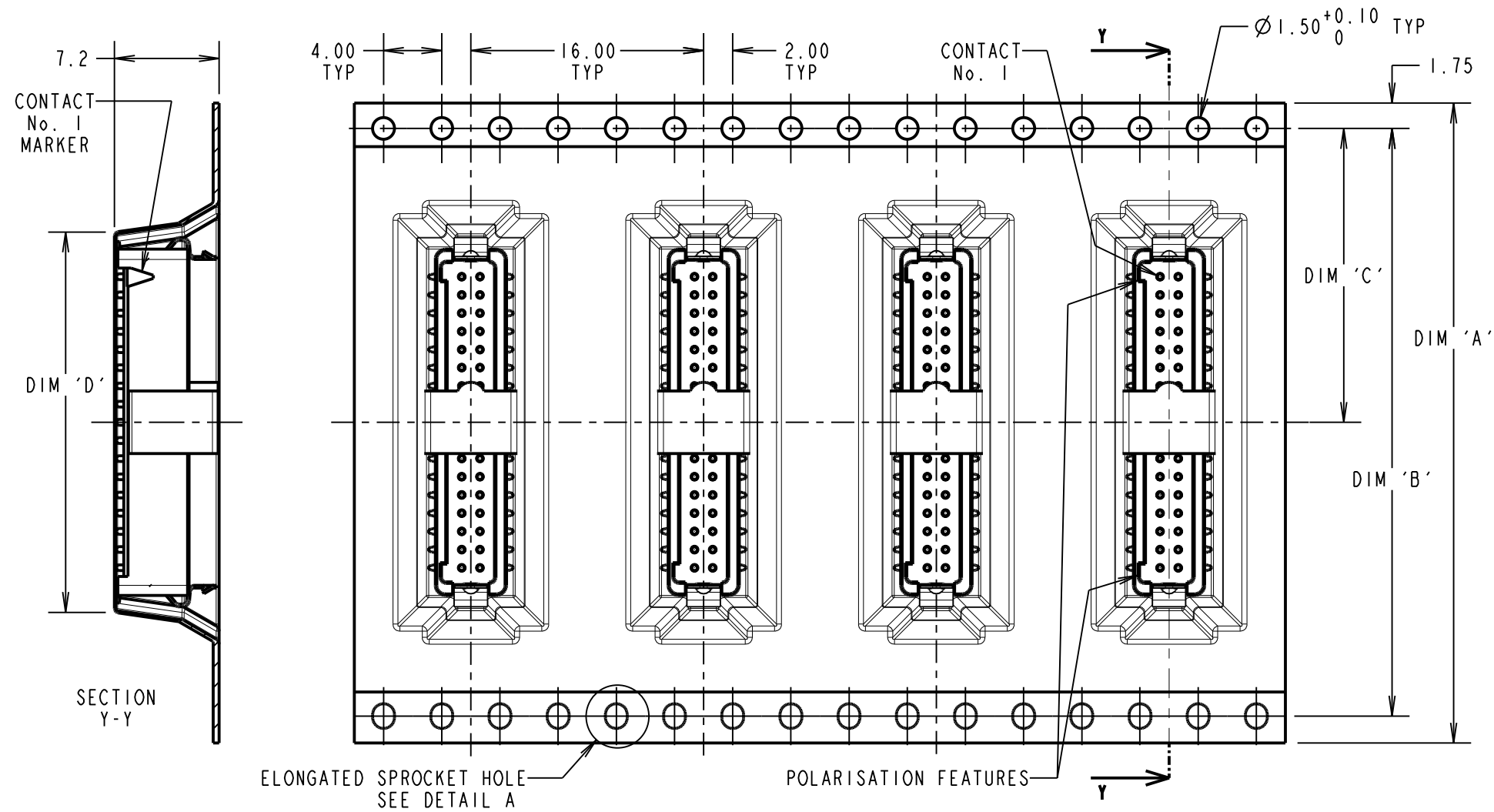
IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

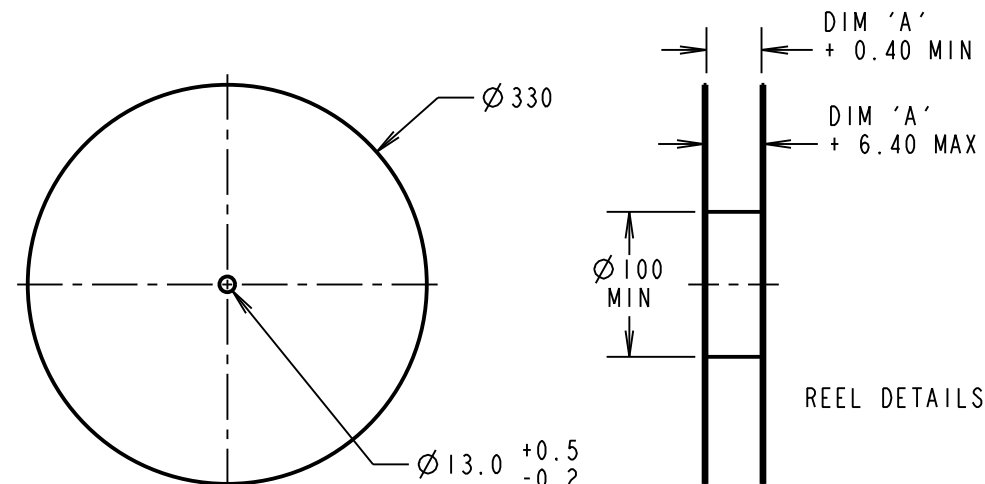
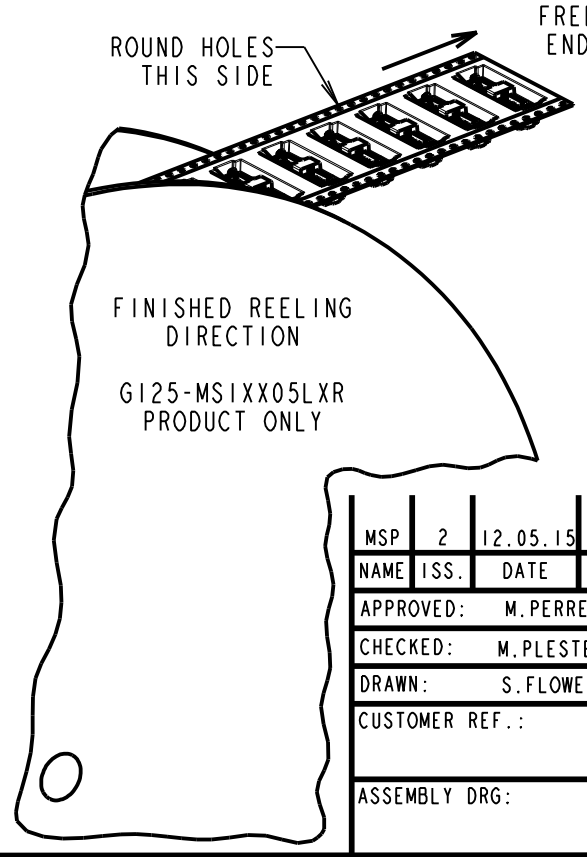
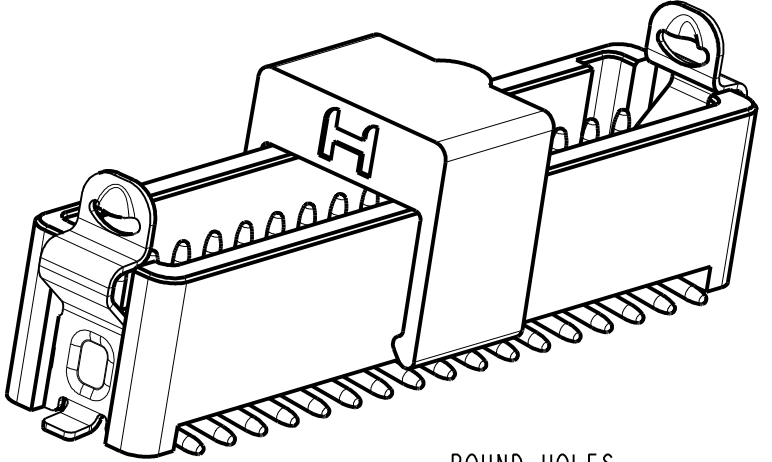


ORDER CODE: **G125-MS1XX05LXX**

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

LATCHES: NO LATCHES = L0
SMT LATCHES = L3

PACK TYPE: R = 400PCS IN TAPE AND REEL
P = EACH (CUT TAPE LENGTHS)



REELED PART No.	LOOSE PART No.	DIM 'A'	DIM 'B'	DIM 'C'	(DIM 'D')
G125-MS10605LXR	G125-MS10605LXP	24.0±0.3	NO ELONGATED HOLE	11.50	(8.6)
G125-MS11005LXR	G125-MS11005LXP				(11.1)
G125-MS11205LXR	G125-MS11205LXP	32.0±0.3	28.40	14.20	(12.4)
G125-MS11605LXR	G125-MS11605LXP				(14.9)
G125-MS12005LXR	G125-MS12005LXP	44.0±0.3	40.40	20.2±0.15	(17.4)
G125-MS12605LXR	G125-MS12605LXP				(21.1)
G125-MS13405LXR	G125-MS13405LXP				(26.1)
G125-MS15005LXR	G125-MS15005LXP	56.0±0.3	52.40	26.2±0.15	(36.1)

- NOTES:
- FOR "R" QUANTITY OF COMPONENTS PER REEL = 400.
 - FOR "P" QUANTITIES ARE EACH AND CUT FROM G125-MS1XX05LXR.
 - THIS PRODUCT IS TAPED AND REELED IN ACCORDANCE WITH EIA-481-2-A (ELECTRONIC INDUSTRIES ASSOCIATION).
 - FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C125XX (LATEST ISSUE).
 - COMPONENTS ARE ORIENTATED IN TAPE POCKETS SO THAT THE POLARISING FEATURES ARE FACING AWAY FROM THE FREE END.
 - CO-PLANARITY OF SMT TAILS AND LATCHES NOT TO EXCEED 0.10mm.
 - LATCHES SHOWN FOR ILLUSTRATION ONLY. WHEN "L0" IS SPECIFIED IN ORDER CODE NO LATCHES WILL BE FITTED/SUPPLIED.
 - ELONGATED SPROCKET HOLE NOT PRESENT ON 06 & 10 POSITIONS.

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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 SHEET 4

FINISH:

S/AREA: mm²

TITLE:
1.25mm GECKO MALE VERTICAL SMT CONNECTORS IN TAPE & REEL

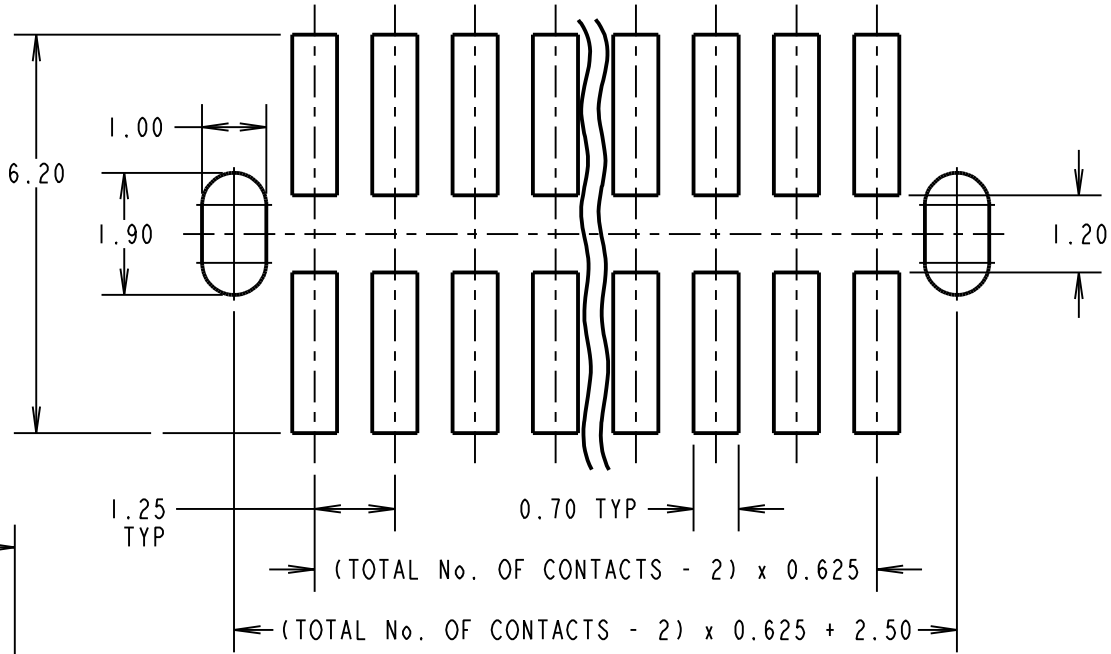
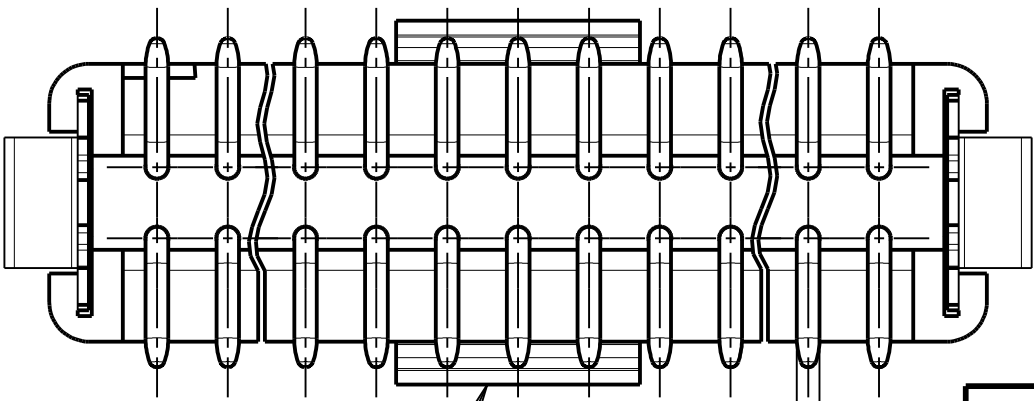
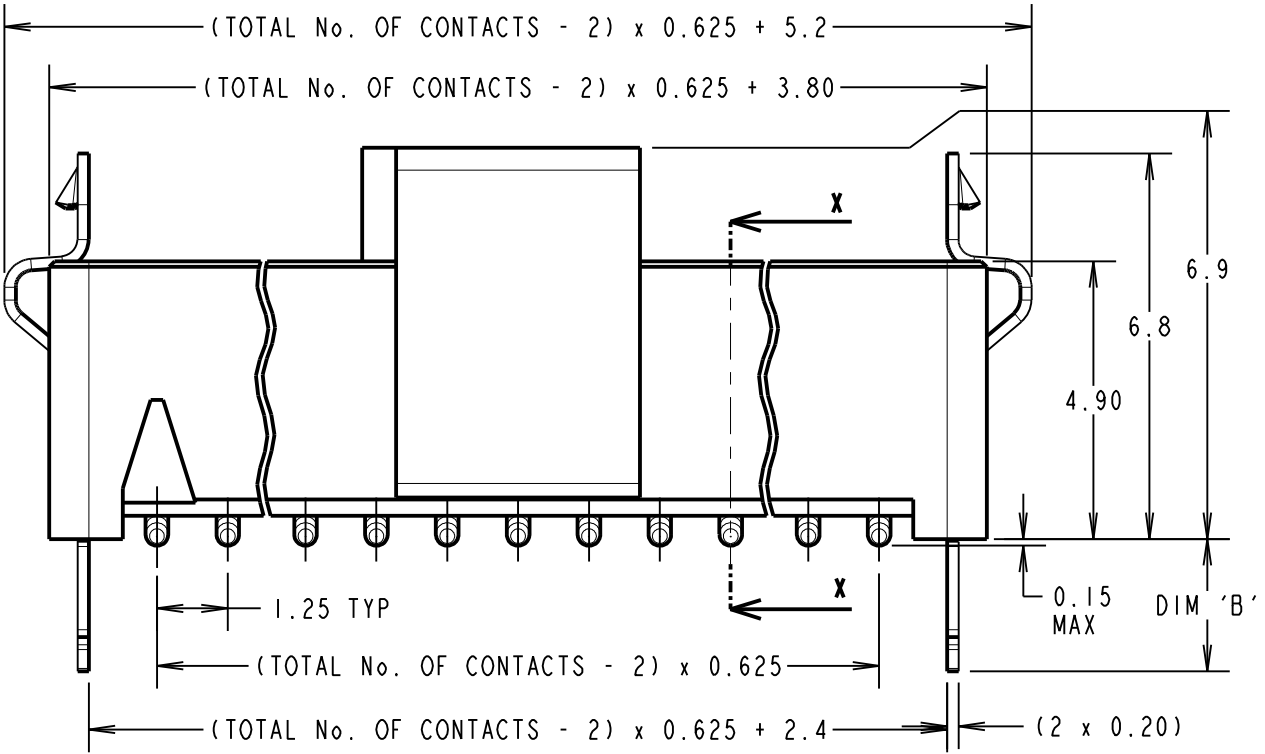
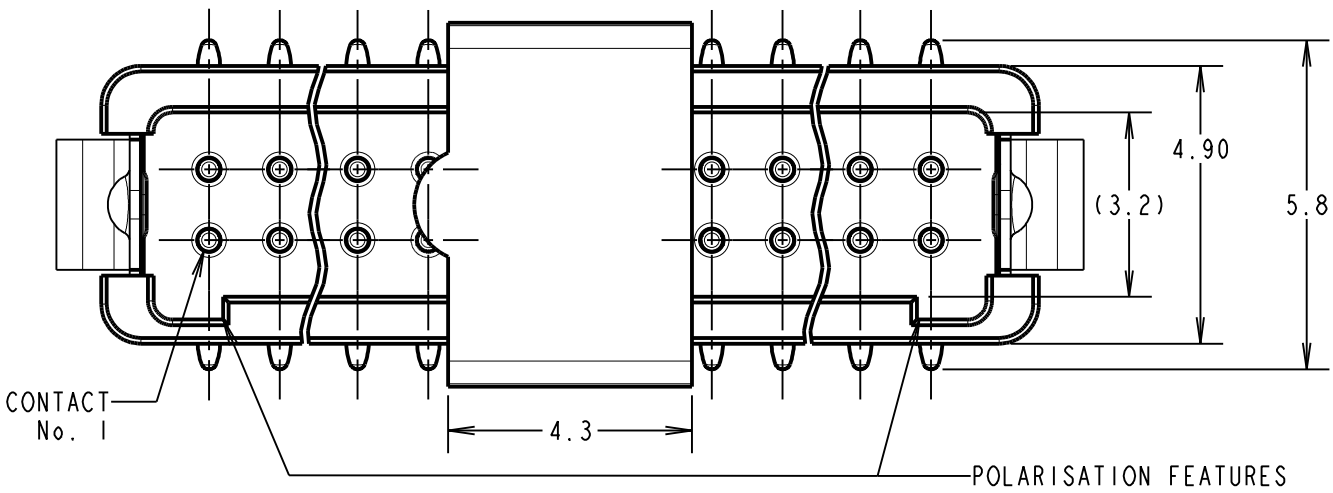
DRAWING NUMBER:
G125-MS1XX05LXX

ASSEMBLY DRG:

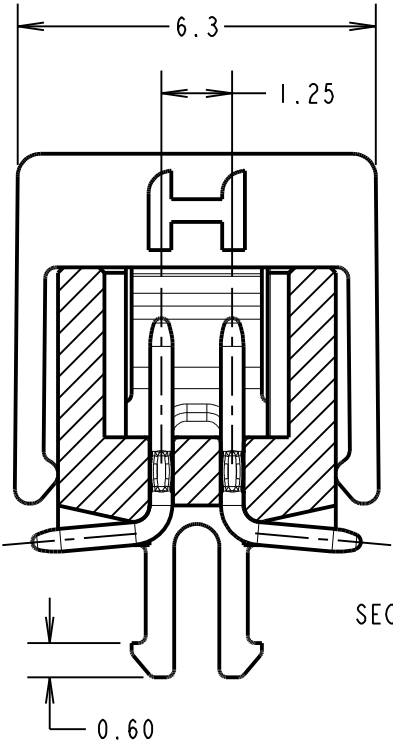
SHT 3 OF 4

Customer Information Sheet

DRAWING No.: G125-MS1XX05LXX IF IN DOUBT - ASK © NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm



RECOMMENDED PCB LAYOUT



SECTION X-X

LATCH STYLE	DIM 'B'
L1	2.20
L2	3.00

ORDER CODE: **G125-MS1XX05LXX**

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

LATCHES:
1.6mm LATCHES = L1
2.4mm LATCHES = L2

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

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

- NOTES:
- FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C125XX (LATEST ISSUE).
 - CO-PLANARITY OF SMT TAILS AND LATCHES NOT TO EXCEED 0.10mm. RECOMMENDED SOLDER PASTE THICKNESS = 0.125mm MIN.
 - SEE SHEET 3 FOR TAPE & REEL DETAILS OF THIS PRODUCT.

MSP	2	06.05.15	12896
NAME	ISS.	DATE	C/NOTE
APPROVED: M.PERREN			
CHECKED: M.PLESTED			
DRAWN: S.FLOWER			
CUSTOMER REF.:			
ASSEMBLY DRG:			

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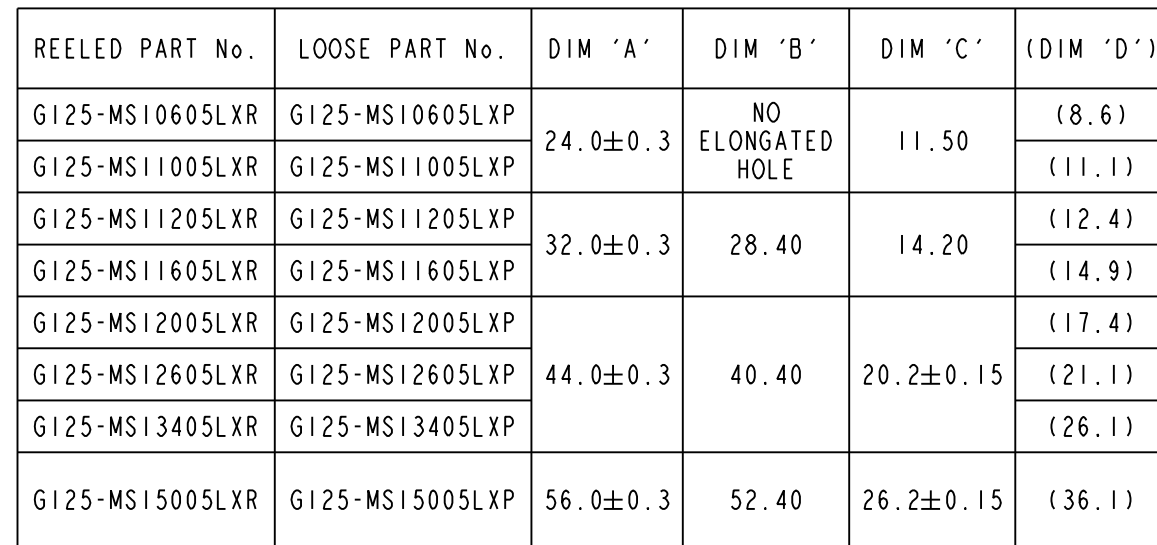
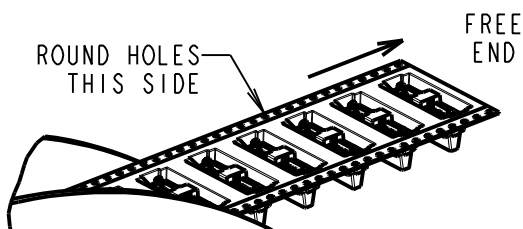
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TOLERANCES
X. = ±1mm
X.X = ±0.50mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

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

TITLE:
1.25mm GECKO MALE VERTICAL SMT CONNECTORS IN TAPE & REEL
DRAWING NUMBER:
G125-MS1XX05LXX
SHT 2 OF 4

DRAWING No.: G125-MS1XX05LXX	SHEET 2 OF 2	IF IN DOUBT - ASK	(C)	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm
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1. FOR "R" QUANTITY OF COMPONENTS PER REEL = 250.
2. FOR "P" QUANTITIES ARE EACH AND CUT FROM G125-MS1XX05LXR.
3. THIS PRODUCT IS TAPED AND REELED IN ACCORDANCE WITH EIA-481-2-A (ELECTRONIC INDUSTRIES ASSOCIATION).
4. FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C125XX (LATEST ISSUE).
5. COMPONENTS ARE ORIENTATED IN TAPE POCKETS SO THAT THE POLARISING FEATURES ARE FACING AWAY FROM THE FREE END.
6. CO-PLANARITY OF SMT TAILS AND LATCHES NOT TO EXCEED 0.10mm
7. ELONGATED SPROCKET HOLE NOT PRESENT ON 06 & 10 POSITIONS.

ASSEMBLY DRG:

DRAWING NUMBER:	SHT
G125-MS1XX05LXX	3 OF

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

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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OTHER PURPOSE WITHOUT
THEIR WRITTEN PERMISSION.

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
3
OF
3

Mouser Electronics

Authorized Distributor

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

Harwin:

[G125-MS11005L3P](#) [G125-MS10605L3P](#) [G125-MC10605L4-0450L](#) [G125-MC11205L4-0150L](#) [G125-MS10605L0P](#)
[G125-MS10605L0R](#) [G125-MS10605L3R](#) [G125-MS11005L0P](#) [G125-MS11005L0R](#) [G125-MS11005L3R](#) [G125-](#)
[MS11205L0R](#) [G125-MS11205L3R](#) [G125-MS11605L0R](#) [G125-MS11605L3R](#) [G125-MS12005L0R](#) [G125-MS12005L3R](#)
[G125-MS12605L0R](#) [G125-MS12605L3R](#) [G125-MS13405L0P](#) [G125-MS13405L0R](#) [G125-MS13405L3P](#) [G125-](#)
[MS13405L3R](#) [G125-MS15005L0P](#)