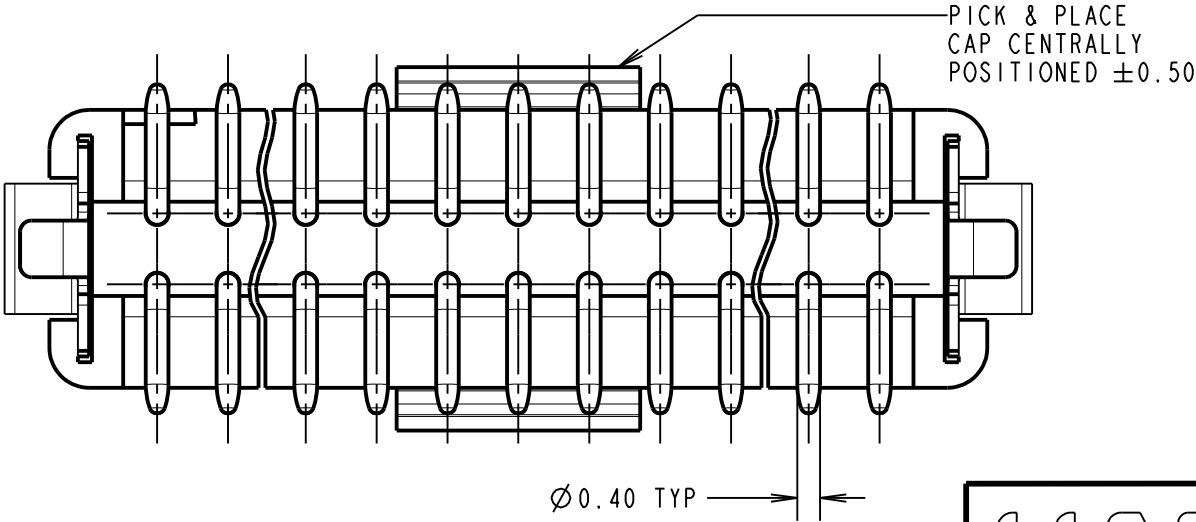
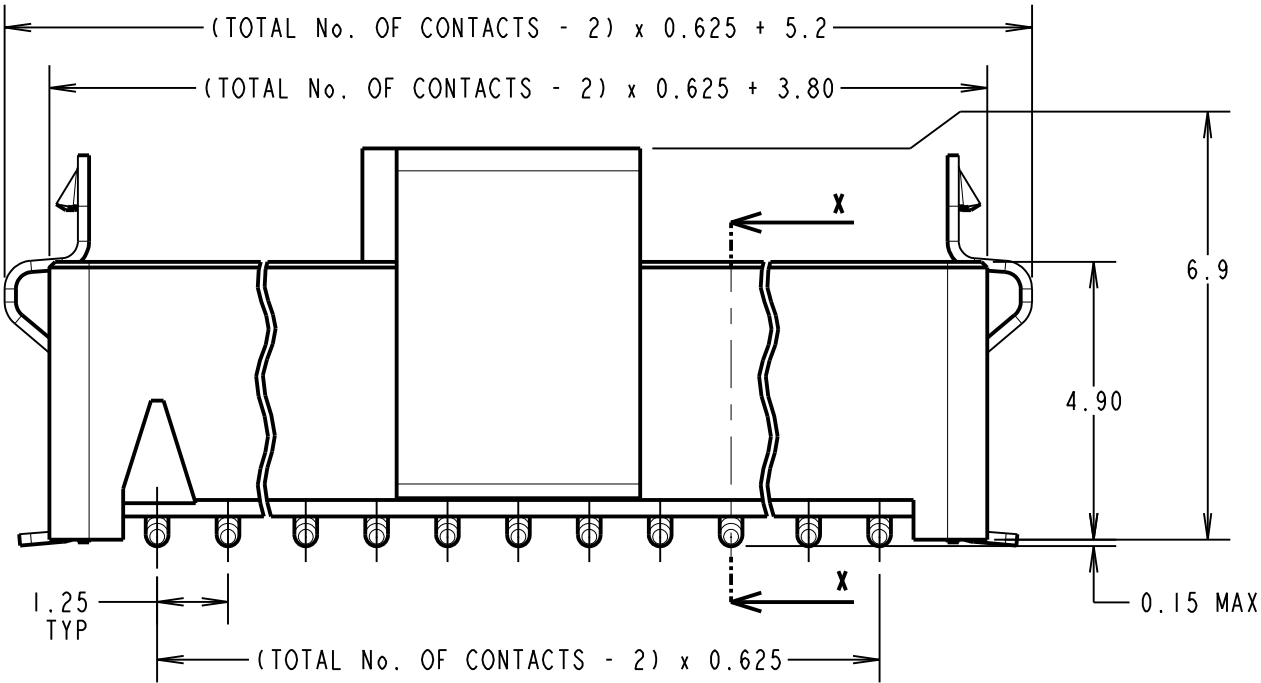
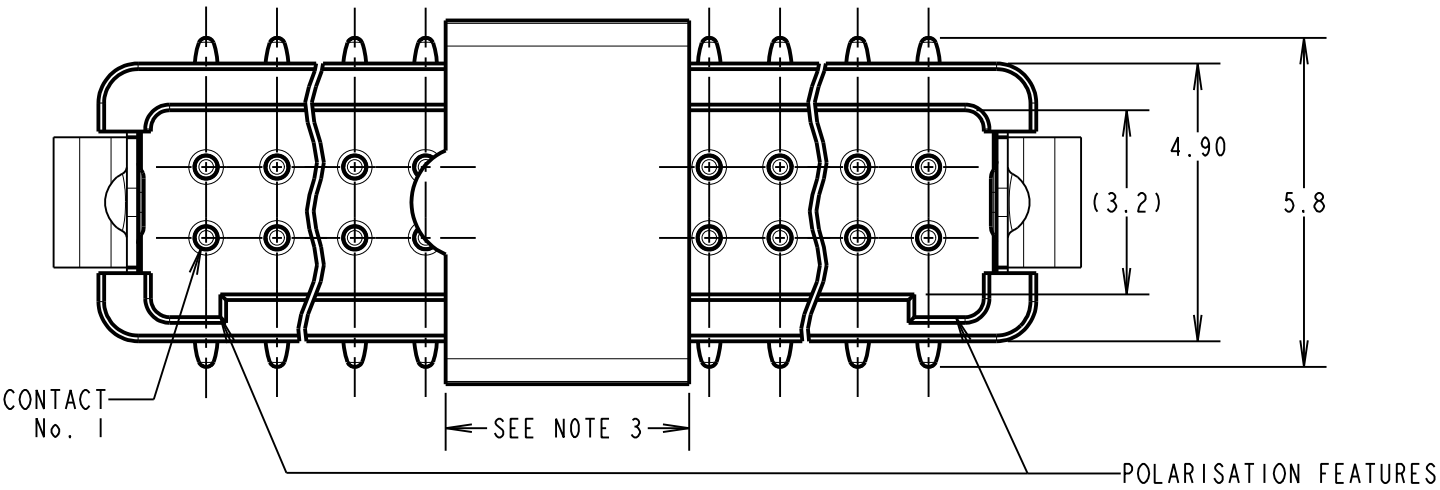
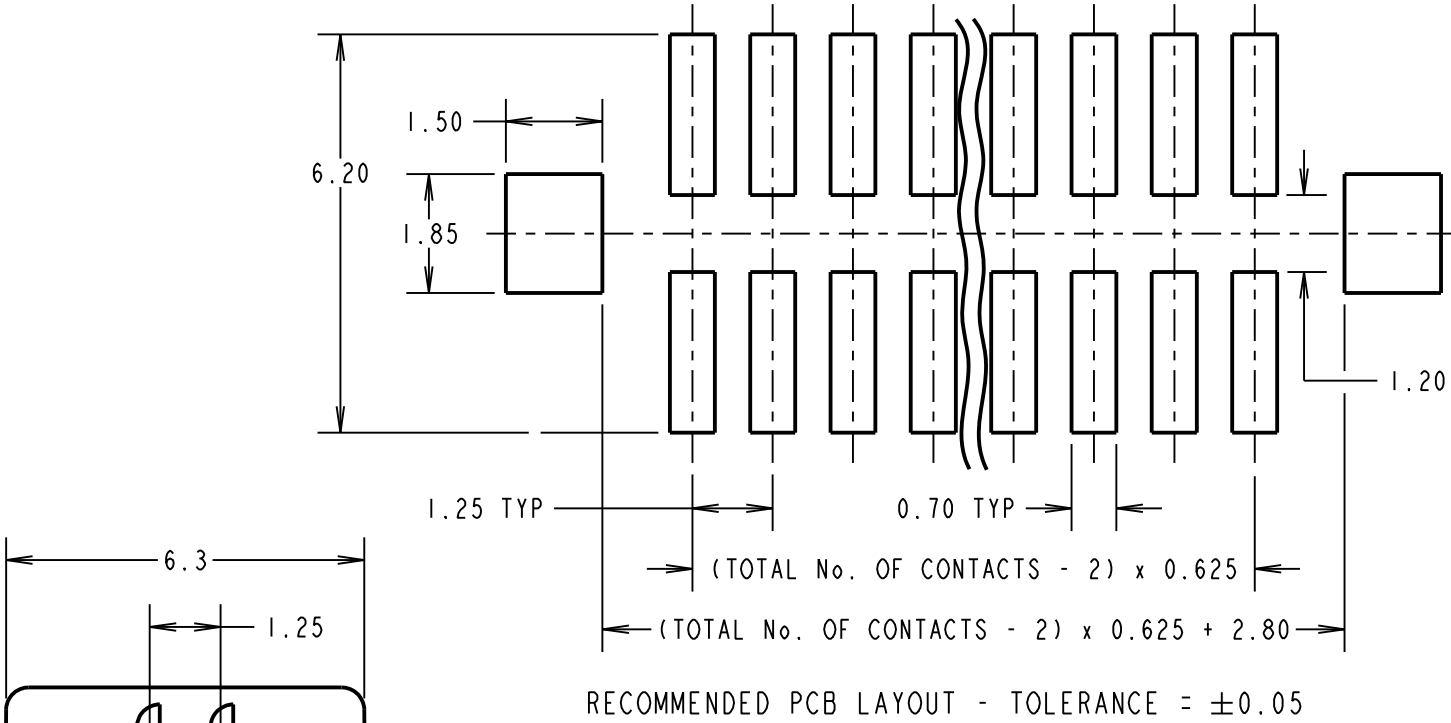


Customer Information Sheet

DRAWING No.: G125-MS1XX05L3R IF IN DOUBT - ASK © NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm



- NOTES:
1. FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C125XX (LATEST ISSUE).
 2. CO-PLANARITY OF SMT TAILS AND LATCHES TO NOT EXCEED 0.08mm. RECOMMENDED SOLDER PASTE THICKNESS = 0.125mm MIN.
 3. PICK AND PLACE CAP LENGTH = 4.3mm ON ALL PART NUMBERS EXCEPT G125-MS10605L3R ON THIS PART LENGTH = 3.3mm.



ORDER CODE: **G125-MS1XX05L3R**

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

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

MGP	6	24.02.20	21885
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: RA			
DRAWN: S.FLOWER			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

www.harwin.com
technical@harwin.com

THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER SET OUT HEREON ARE CONFIDENTIAL AND COPYRIGHT PROPERTY OF THE HARWIN GROUP AND MUST NOT BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING, TENDERING OR FOR ANY OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION.

TOLERANCES
X. = ±1mm
X.X = ±0.50mm
X.XX = ±0.20mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

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

TITLE:
1.25mm GECKO MALE VERTICAL
SMT CONNECTORS IN TAPE & REEL
DRAWING NUMBER:
G125-MS1XX05L3R
SHT 4 OF 5

Customer Information Sheet

DRAWING No.: G125-MS1XX05L3R

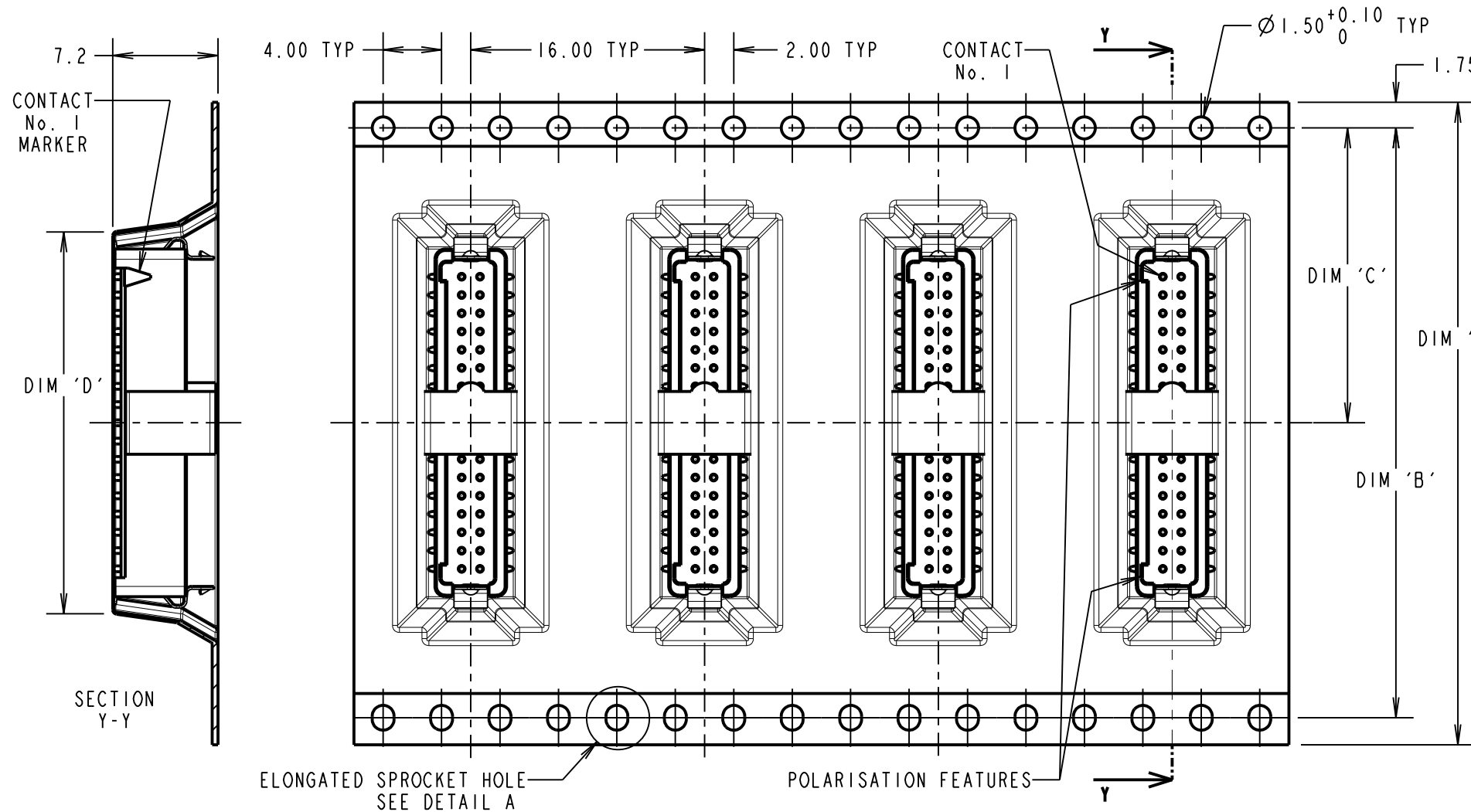
IF IN DOUBT - ASK

©

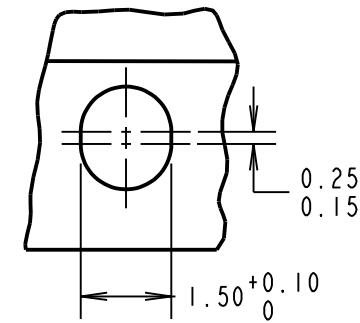
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

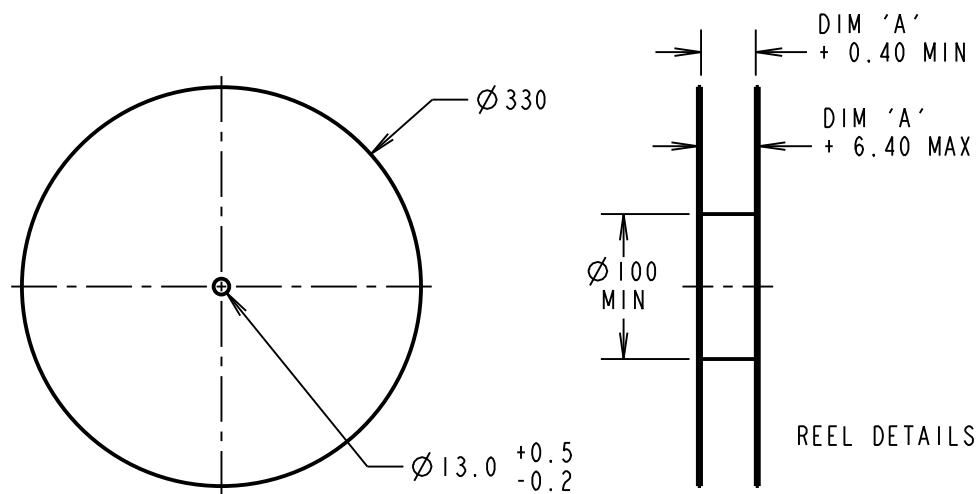
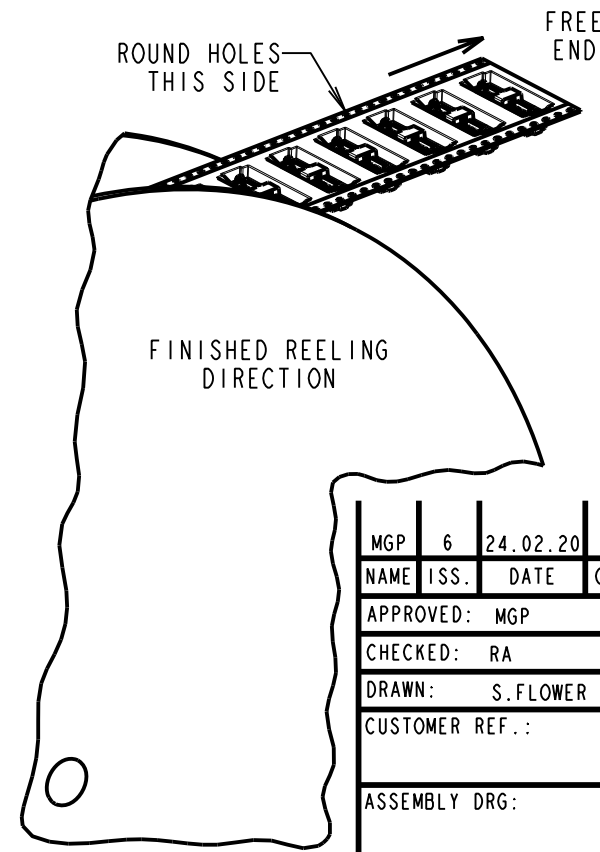
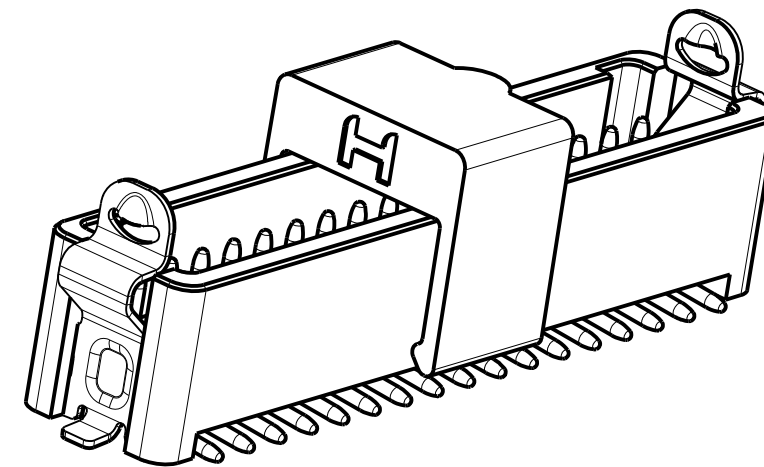


DETAIL A
SCALE 8
SEE NOTE 6



ORDER CODE: **G125-MS1XX05L3R**

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



PART No.	DIM 'A'	DIM 'B'	DIM 'C'	(DIM 'D')
G125-MS10605L3R	24.0±0.3	NO ELONGATED HOLE	11.50	(8.6)
G125-MS11005L3R				(11.1)
G125-MS11205L3R	32.0±0.3	28.40	14.20	(12.4)
G125-MS11605L3R				(14.9)
G125-MS12005L3R	44.0±0.3	40.40	20.2±0.15	(17.4)
G125-MS12605L3R				(21.1)
G125-MS13405L3R				(26.1)
G125-MS15005L3R	56.0±0.3	52.40	26.2±0.15	(36.1)

NOTES:

1. QUANTITY OF COMPONENTS PER REEL = 400.
2. FOR OTHER QUANTITIES SEE G125-MS1XX05L3P.
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. ELONGATED SPROCKET HOLE NOT PRESENT ON 06 & 10 POSITIONS.

HARWIN

www.harwin.com
technical@harwin.com

THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER SET OUT HEREON ARE CONFIDENTIAL AND COPYRIGHT PROPERTY OF THE HARWIN GROUP AND MUST NOT BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING, TENDERING OR FOR ANY OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION.

TOLERANCES

$X = \pm 1\text{mm}$
 $X.X = \pm 0.50\text{mm}$
 $X.XX = \pm 0.20\text{mm}$
 $X.XXX = \pm 0.01\text{mm}$

ANGLES = $\pm 5^\circ$

UNLESS STATED

MATERIAL:

SEE SPECIFICATION SHEET

FINISH: SEE SPECIFICATION SHEET

S/AREA:

mm.

TITLE:

1.25mm GECKO MALE VERTICAL SMT CONNECTORS IN TAPE & REEL

DRAWING NUMBER:

G125-MS1XX05L3R

SHT
5
OF 5

Customer Information Sheet

DRAWING No.: G125-SERIES COMPONENT SPECIFICATION	IF IN DOUBT - ASK	©	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:

SIGNAL CONTACTS:
MALE PC-TAIL/SMT = PHOSPHOR BRONZE
MALE CRIMP = BRASS
ALL FEMALE CONTACTS = BERYLLIUM COPPER
POWER CONTACTS:
ALL CONTACTS = BERYLLIUM COPPER

LOCKING HARDWARE:

LATCHES: COPPER NICKEL TIN ALLOY
SCREW LOCK: STAINLESS STEEL

BACK POTTING COMPOUND (CABLE ASSEMBLIES ONLY):
STYCAST 265I MM BACK POTTING WITH CATALYST 9

FINISH:

ALL SIGNAL CONTACTS:
0.2-0.3µm GOLD OVER NICKEL
ALL POWER CONTACTS:
0.76-1.00µm GOLD OVER 1.50-2.50µm NICKEL
AND COPPER FLASH
LATCHES:
3.0µm 100% TIN OVER NICKEL

MECHANICAL:

DURABILITY = 1000 OPERATIONS
RETENTION IN HOUSING (ALL CONTACTS) = 6.0N MIN
SIGNAL CONTACTS:
INSERTION FORCE = 2.8N MAX
WITHDRAWAL FORCE = 0.2N MIN
POWER CONTACTS:
INSERTION FORCE = 7.0N MAX
WITHDRAWAL FORCE = 0.2N MIN
SCREW-LOK:
RETENTION IN HOUSING = 20.0N MIN
LATCHES:
RETENTION IN HOUSING = 4.0N 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

MECHANICAL:

VIBRATION AND SHOCK:

* EIA-364-28D : 1999: TEST CONDITION IV: VIBRATION SEVERITY:
10Hz TO 2000Hz, 1.5mm, 198mm/s² (20G). DURATION 2Hr
* EIA-364-28D : 1999: TEST CONDITION IV: VIBRATION SEVERITY:
10Hz TO 2000Hz, 1.5mm, 198mm/s² (20G). DURATION 2Hr
* EIA-364-27B : 1996: TEST CONDITION E SHOCK SEVERITY: 981mm/s²
(100G) FOR 6ms IN Z AXIS, 490mm/s² (50G) FOR 11m/s IN X & Y AXIS.
* EIA-364-01A : 2000: ACCELERATION: 490mm/s² (50G)
* BUMP SEVERITY: 390mm/s² (40G), 4000±10 BUMPS
* TESTED WITH LATCHED CONNECTORS

ELECTRICAL:

CURRENT RATING:

SIGNAL CONTACTS:
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
POWER CONTACTS:
EIA-364-70A : 1998: PER CONTACT, THROUGH ALL CONTACTS = 10A MAX

CONTACT RESISTANCE:

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

VOLTAGE PROOF:

EIA-364-20C : 2004: SEA LEVEL (1013mbar) = 600V DC/AC PEAK
EIA-364-20C : 2004: ALTITUDE LEVEL (44mbar, 21,336m/70,000ft) = 350V DC/AC PEAK

WORKING VOLTAGE:

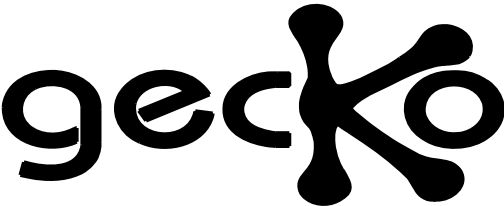
AT SEA LEVEL (1006mbar) = 450V DC/AC PEAK
AT ALTITUDE (44mbar, 21,336m/70,000ft) = 250V DC/AC PEAK

INSULATION RESISTANCE:

EIA-364-21C : 2000: INSULATION RESISTANCE (INITIAL)
= 10GΩ MIN AT 500V DC
EIA-364-21C : 2000: INSULATION RESISTANCE (AFTER CONDITIONING)
= >1GΩ MIN AT 500V DC

FOR FULL COMPONENT SPECIFICATION SEE C125XX (LATEST ISSUE).

RTP	5	04.10.19	22083
NAME	ISS.	DATE	C/NOTE
APPROVED: R.PORTLOCK			
CHECKED: S.BENNETT			
DRAWN: S.FLOWER			
CUSTOMER REF.:			
ASSEMBLY DRG:			



PATENTED TECHNOLOGY

HARWIN

www.harwin.com
technical@harwin.com

THIS DRAWING AND ANY
INFORMATION OR DESCRIPTIVE
MATTER SET OUT HEREON ARE
CONFIDENTIAL AND COPYRIGHT
PROPERTY OF THE HARWIN
GROUP AND MUST NOT BE
DISCLOSED, LOANED, COPIED
OR USED FOR MANUFACTURING,
TENDERING OR FOR ANY
OTHER PURPOSE WITHOUT
THEIR WRITTEN PERMISSION.

TOLERANCES

X. = ±1mm
X.X = ±0.50mm
X.XX = ±0.20mm
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-MS15005L3R](#) [G125-MS10605L3R](#) [G125-MS11005L3R](#) [G125-MS11205L3R](#) [G125-MS11605L3R](#) [G125-MS12005L3R](#) [G125-MS12605L3R](#) [G125-MS13405L3R](#)