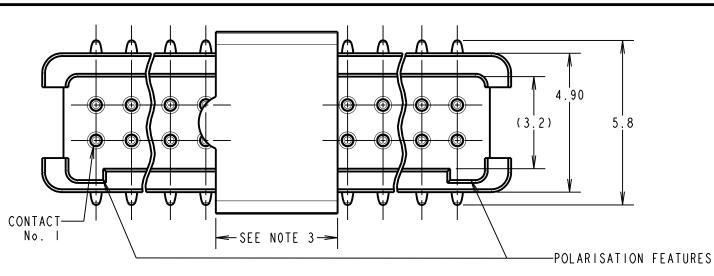
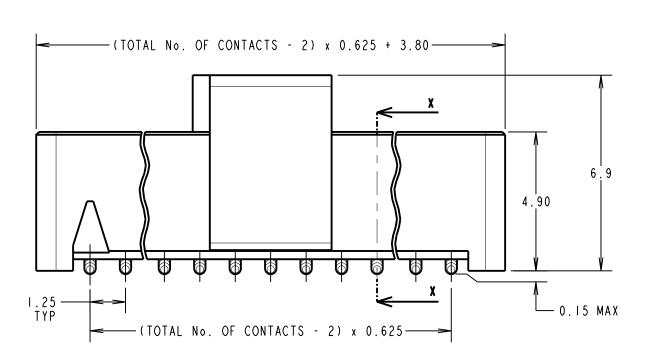
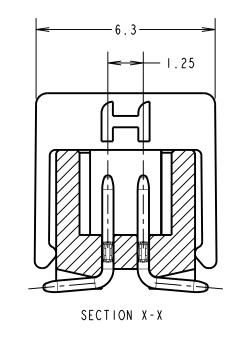
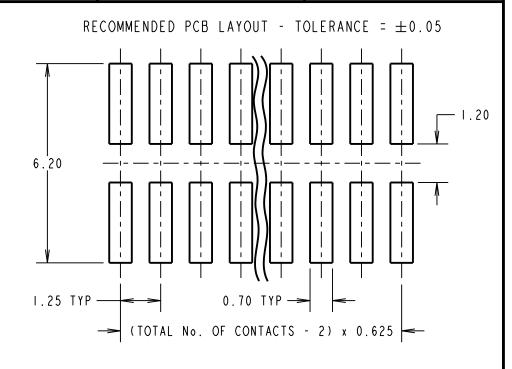
Customer Information Sheet

NOT TO SCALE DRAWING No.: G125-MSIXX05L0P THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm



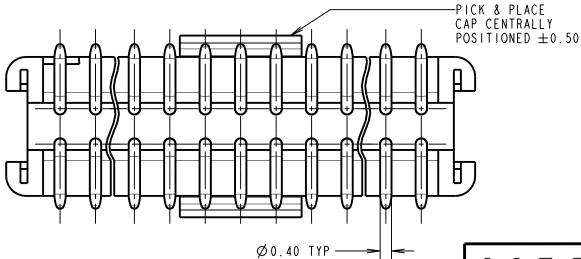






ORDER CODE: G125-MS1XX05L0P TOTAL No. OF CONTACTS: — 06, 10, 12, 16, 20, 26, 34, 50

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



NOTES:

I. FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C125XX (LATEST ISSUE).
2. CO-PLANARITY OF SMT TAILS NOT TO EXCEED 0.10mm. RECOMMENDED SOLDER PASTE THICKNESS = 0.125mm MIN.

3. PICK AND PLACE CAP LENGTH = 4.3mm ON ALL PART NUMBERS EXCEPT G125-MS10605L0P ON THIS PART LENGTH = 3.3mm.

MATERIAL:

MGP	5	20.02.20	21885		
NAME	188.	DATE	C/NOTE		
APPROVED: MGP					
CHECKED: MR					
DRAW	٧:	S.FLOWE	R		
CUSTO	OME R	REF.:			
ASSEM	MBLY I	DRG:			

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technical@harwin.com

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

UNLESS STATED

SEE SPECIFICATION SHEET FINISH: SEE SPECIFICATION SHEET

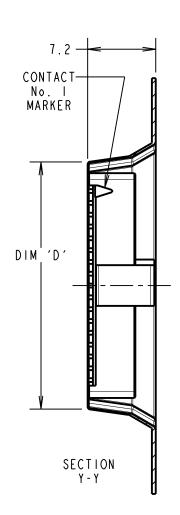
TITLE: 1.25mm GECKO MALE VERTICAL SMT CONNECTORS IN TAPE

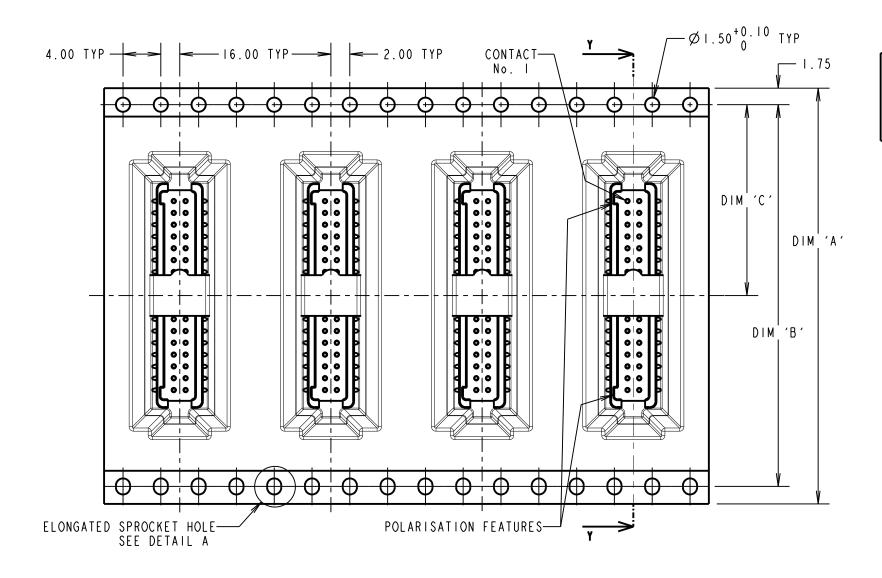
DRAWING NUMBER:

G125-MSIXX05LOP

Customer Information Sheet

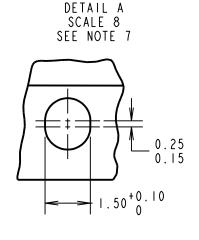
IF IN DOUBT - ASK DRAWING No.: G125-MSIXX05L0P NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm

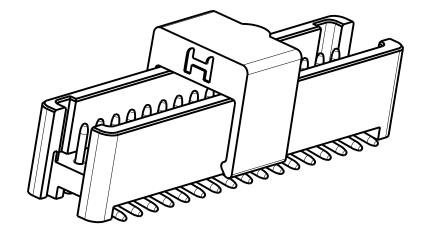




ORDER CODE: G125-MSIXX05L0P

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





PART No.	DIM 'A'	DIM 'B'	DIM 'C'	(DIM 'D')
G125-MS10605L0P	24.0±0.3	NO ELONGATED HOLE	11.50	(8.6)
G125-MS11005L0P				(11.1)
G125-MS11205L0P	32.0±0.3	28.40	14.20	(12.4)
G125-MS11605L0P				(14.9)
G125-MS12005L0P	44.0±0.3	40.40	20.2±0.15	(17.4)
G125-MS12605L0P				(21.1)
G125-MS13405L0P				(26.1)
G125-MS15005L0P	56.0±0.3	52.40	26.2±0.15	(36.1)

MGP	5	20.02.20	21885	
NAME	188.	DATE	C/NOT	
APPROVED: MGP				
CHECKED: MR				
DRAWI	١:	S.FLOW	ER	
CUSTO	OMER 1	REF.:		
ASSEM	MBLY (ORG:		

- I. COMPONENTS ARE ORIENTED IN TAPE POCKETS AS SHOWN.
- 2. COMPONENTS ARE SUPPLIED IN STRIPS OF TAPE. SUPPLIED QUANTITY MAY CONSIST OF MORE THAN ONE STRIP. STRIP LENGTH MAY VARY
- 3. LARGE QUANTITIES MAY BE SHIPPED ON A REEL AND MAY NOT HAVE A LEADER.
- 4. FOR PARTS ON REEL SUITABLE FOR AUTOMATIC MACHINE PLACEMENT PLEASE ORDER: G125-MSIXX05LOR.
- 5. 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.
- 7. ELONGATED SPROCKET HOLE NOT PRESENT ON 06 & 10 POSITIONS.

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TOLERANCES MATERIAL: X. = ±1mm X.X = ±0.50mm X.XX = ±0.20mm $.XXX = \pm 0.01mm$

UNLESS STATED

SEE SPECIFICATION SHEET FINISH: SEE SPECIFICATION SHEET ANGLES = ±5°

TITLE: 1.25mm GECKO MALE VERTICAL SMT CONNECTORS IN TAPE

DRAWING NUMBER:

G125-MSIXX05LOP

Customer Information

DRAWING No.: G125-SERIES COMPONENT SPECIFICATION IF IN DOUBT - ASK NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm

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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 2651 MM BACK POTTING WITH CATALYST 9
  ALL SIGNAL CONTACTS:
    0.2-0.3µm GOLD OVER NICKEL
   ALL POWER CONTACTS:
    0.76-1.00 µm GOLD OVER 1.50-2.50 µm 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
    RETENTION IN HOUSING = 20.0N MIN
   LATCHES:
    RETENTION IN HOUSING = 4.0N MIN
ENVIRONMENTAL:
   CLASSIFICATION: 65/150/56 DAYS AT 93% RH
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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/s<sup>2</sup> (20G). DURATION 2Hr
   * EIA-364-28D : 1999: TEST CONDITION IV: VIBRATION SEVERITY:
     10Hz TO 2000Hz, 1.5mm, 198mm/s<sup>2</sup> (20G). DURATION 2Hr
   * EIA-364-27B : 1996: TEST CONDITION E SHOCK SEVERITY: 98 mm/s<sup>2</sup>
     (100G) FOR 6ms IN Z AXIS, 490 \text{mm/s}^2 (50G) FOR IIm/s IN X & Y AXIS.
   * EIA-364-01A : 2000: ACCELERATION: 490mm/s<sup>2</sup> (50G)
   * BUMP SEVERITY: 390mm/s<sup>2</sup> (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 = 20m\Omega MAX
    EIA-364-06C : 2006: CONTACT RESISTANCE AFTER CONDITIONING = 25m\Omega 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)
                   = 10G\Omega MIN AT 500V DC
    EIA-364-21C : 2000: INSULATION RESISTANCE (AFTER CONDITIONING
                   = > IG\Omega MIN AT 500V DC
```



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TOLERANCES X. = ±1mm X.X = ±0.50mr $X.XX = \pm 0.20$ mm

FOR FULL COMPONENT SPECIFICATION SEE C125XX (LATEST ISSUE).

MATERIAL: FINISH

SEE ABOVE

CUSTOMER REF.:

ASSEMBLY DRG:

APPROVED:

CHECKED:

DRAWN:

04.10.19 22083 DATE

R. PORTLOCK

S.BENNETT

S.FLOWER

C/NOTE

OF.

G125 SERIES COMPONENT SPECIFICATION DRAWING NUMBER:

PATENTED TECHNOLOGY

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 $X.XXX = \pm 0.01$ mm ANGLES = $\pm 5^{\circ}$ UNLESS STATED

SEE ABOVE S/AREA:

G125-SERIES CONNECTORS

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