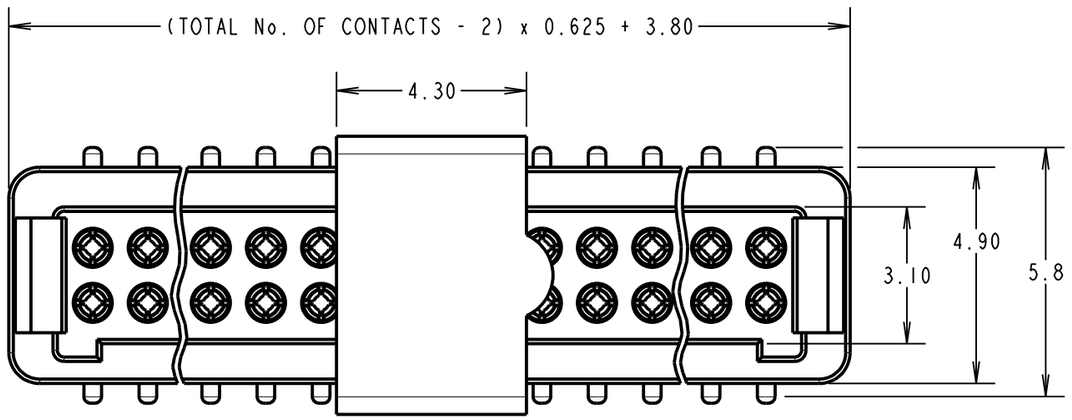
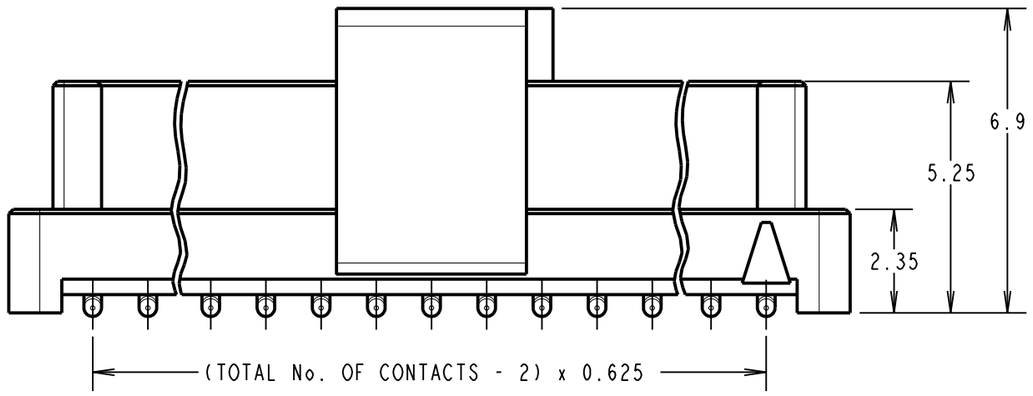
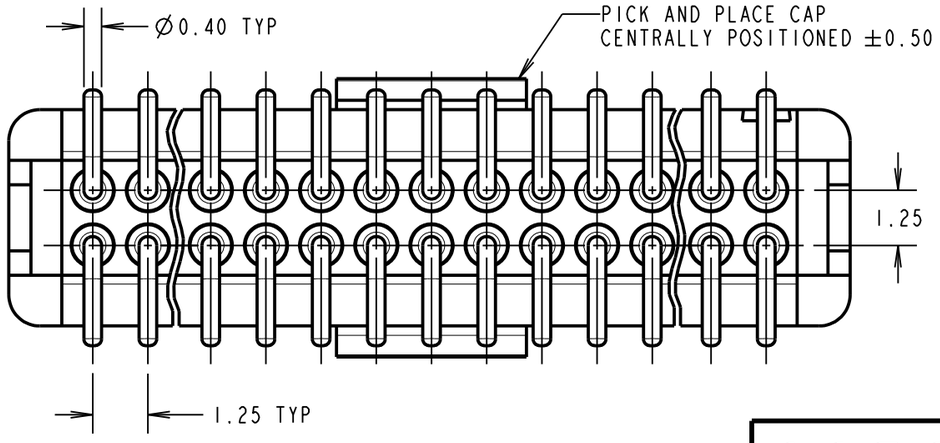
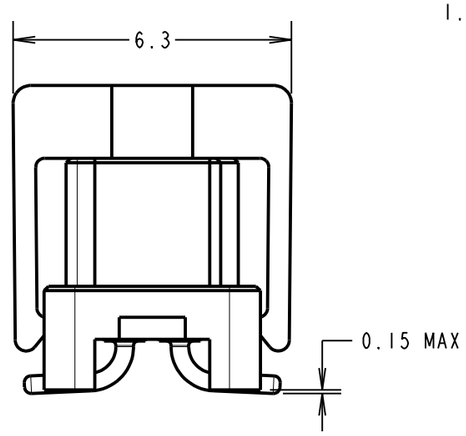
Customer Information Sheet

DRAWING No.: G125-FSIXX05L0P	IF IN DOUBT - ASK	©	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm

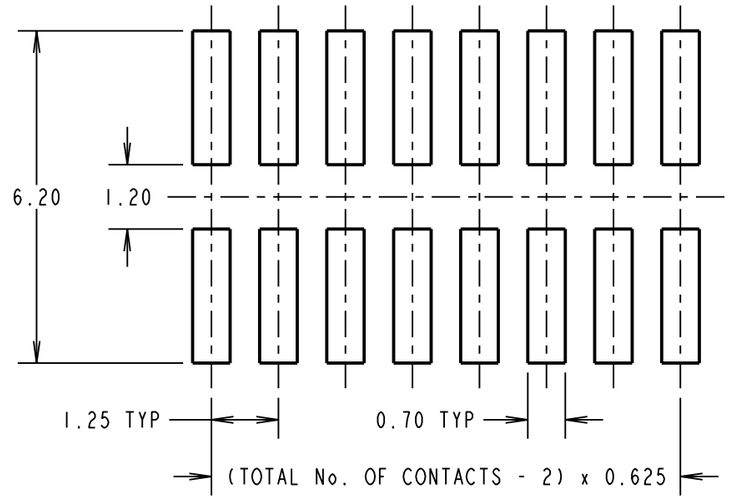








RECOMMENDED PCB LAYOUT



ORDER CODE:
G125-FSIXX05L0P

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

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

NOTES:
1. FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C125XX (LATEST ISSUE).
2. CO-PLANARITY OF SMT TAILS NOT TO EXCEED 0.10mm.

NAME	ISS.	DATE	C/NOTE
MR	2	08.11.18	20862
APPROVED: M.RUDKIN			
CHECKED: M.PLESTED			
DRAWN: S.FLOWER			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN
www.harwin.com
technical@harwin.com

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

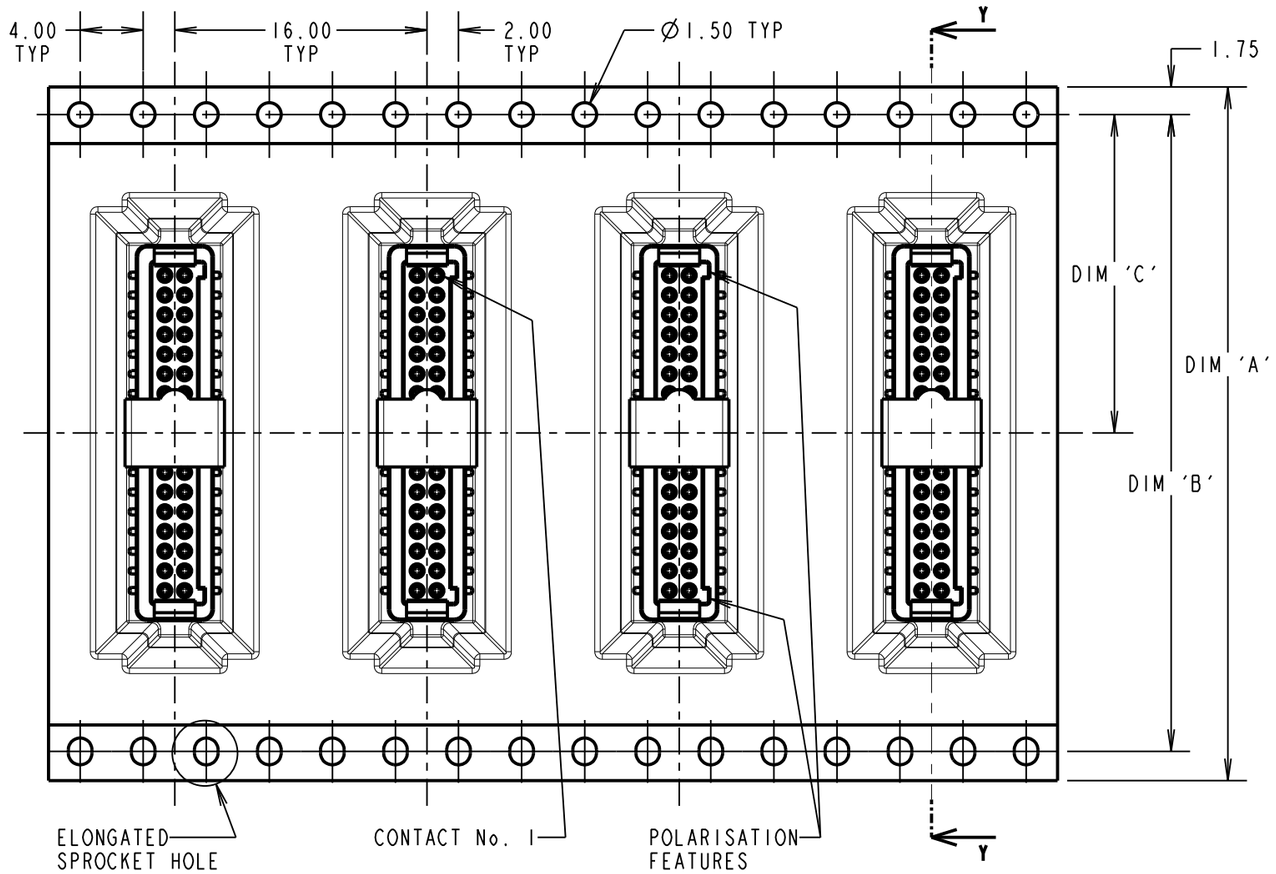
TITLE: 1.25mm GECKO FEMALE VERTICAL SMT CONNECTORS

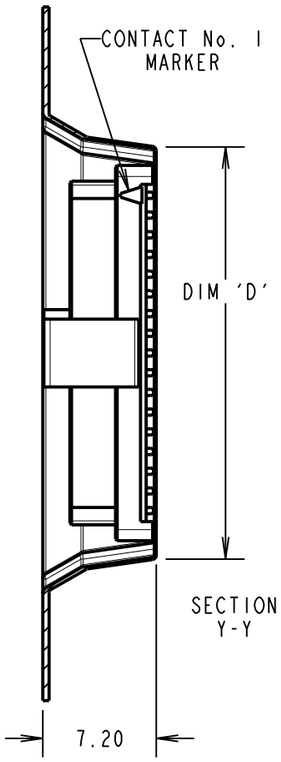
DRAWING NUMBER: G125-FSIXX05L0P

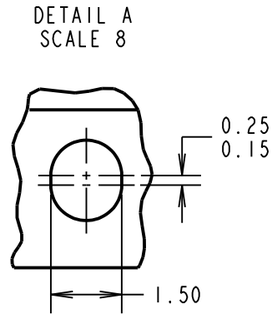
SHT 5 OF 6

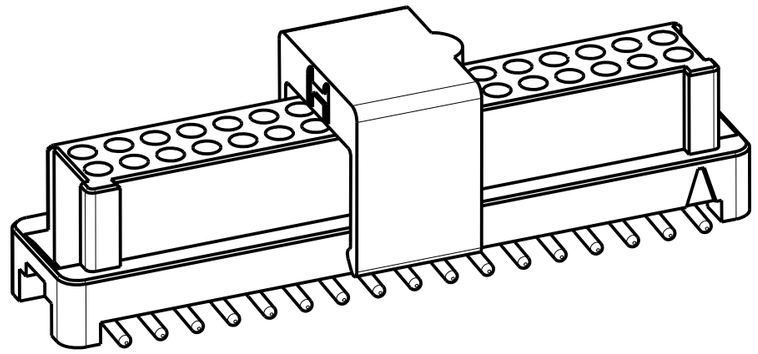
Customer Information Sheet

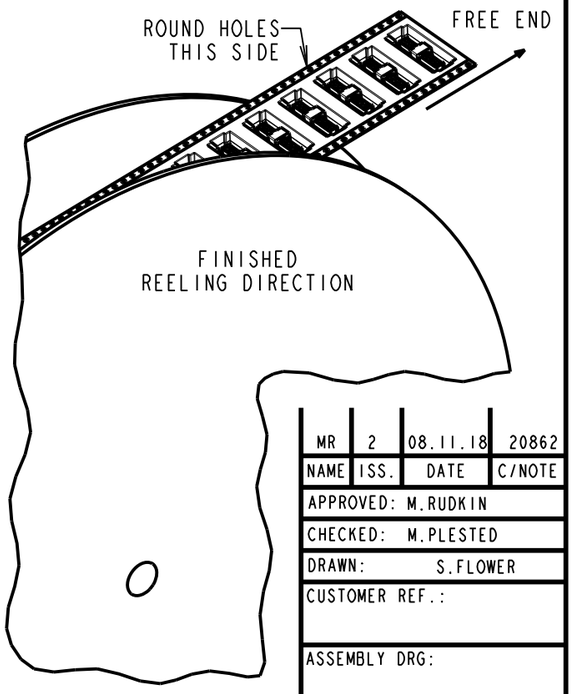
DRAWING No.: GI25-FSIXX05L0P	IF IN DOUBT - ASK	©	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm











LOOSE PART No.	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'
GI25-FVX0605L0P	24.0±0.3	NO ELONGATED HOLE	11.50	(8.6)
GI25-FVX1005L0P				(11.1)
GI25-FVX1205L0P	32.0±0.3	28.40	14.20	(12.4)
GI25-FVX1605L0P				(14.9)
GI25-FVX2005L0P	44.0±0.3	40.40	20.2±0.15	(17.4)
GI25-FVX2605L0P				(21.1)
GI25-FVX3405L0P				(26.1)
GI25-FVX5005L0P	56.0±0.3	52.40	26.2±0.15	(36.1)

ORDER CODE:
GI25-FSIXX05L0P
TOTAL No. OF CONTACTS:
06, 10, 12, 16, 20, 26, 34, 50.

NOTES:
1. 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 QAUNTITIES MAY BE SHIPPED ON A REEL AND MAY NOT HAVE A LEADER.
4. FOR PARTS ON REEL SUITABLE FOR AUTOMATIC MACHINE PLACEMENT PLEASE ORDER: GI25-FSIXX05L0R.

NAME	ISS.	DATE	C/NOTE
MR	2	08.11.18	20862
APPROVED: M.RUDKIN			
CHECKED: M.PLESTED			
DRAWN: S.FLOWER			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN
www.harwin.com
technical@harwin.com

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: 1.25mm GECKO FEMALE VERTICAL SMT CONNECTORS
DRAWING NUMBER: **GI25-FSIXX05L0P**
SHT 6 OF 6

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:
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 9

FINISH:
ALL CONTACTS:
0.2-0.3µ GOLD OVER NICKEL
LATCHES:
3.0µ 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 11m/s 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

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 = 20mΩ MAX
EIA-364-06C : 2006: CONTACT RESISTANCE AFTER CONDITIONING = 25mΩ 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 GΩ MIN AT 500V DC
EIA-364-21C : 2000: INSULATION RESISTANCE (AFTER CONDITIONING
= >1 GΩ 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:

HARWIN
www.harwin.com
technical@harwin.com

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