

Customer Information Sheet

DRAWING No.: G125-FVXXX05L0P

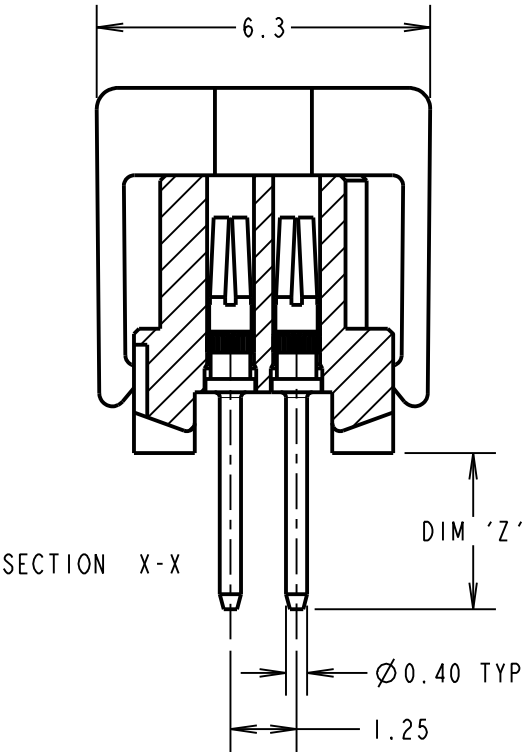
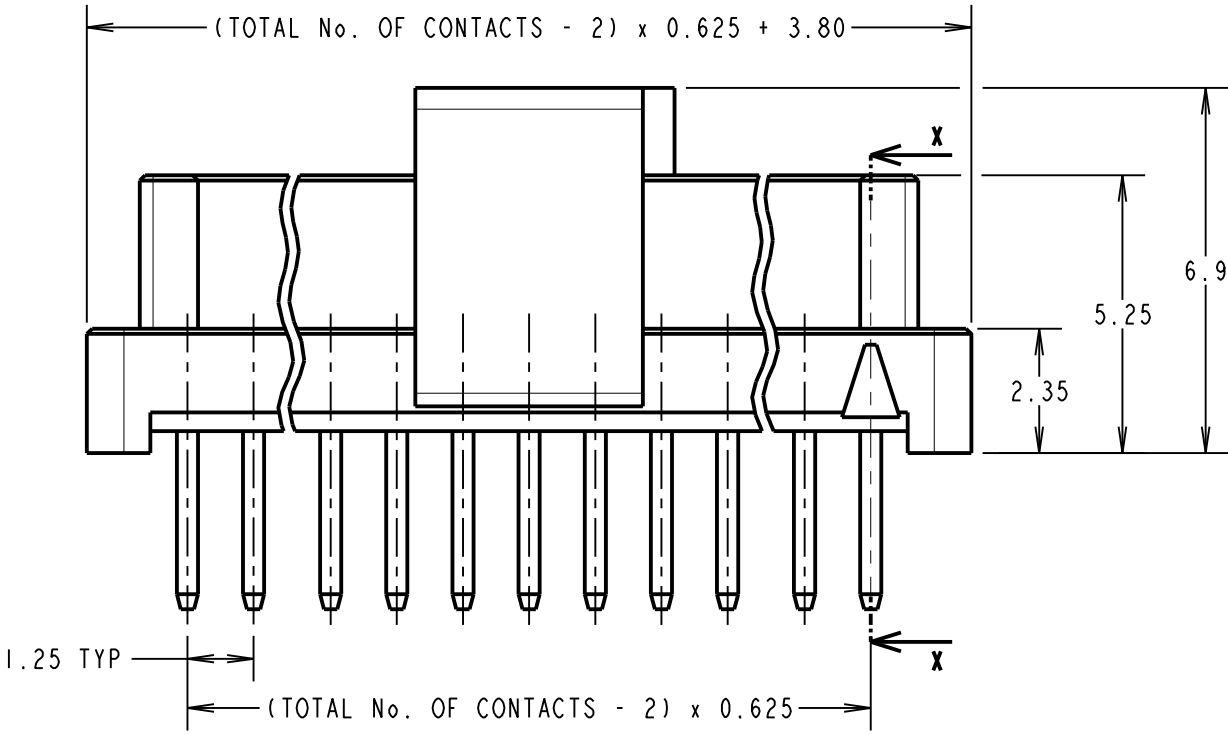
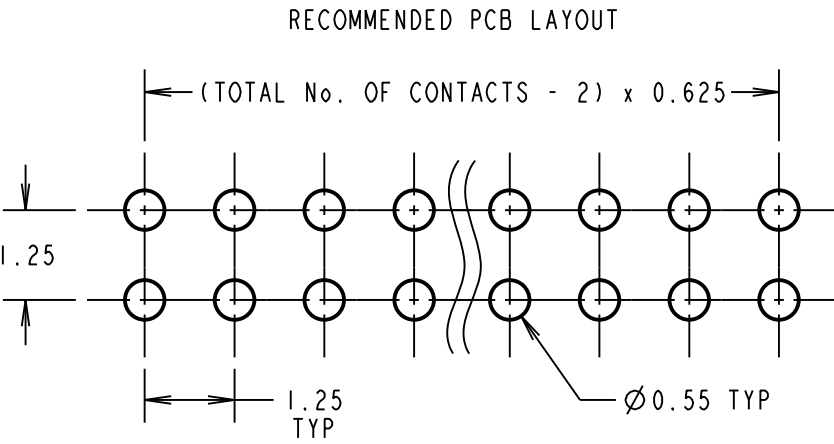
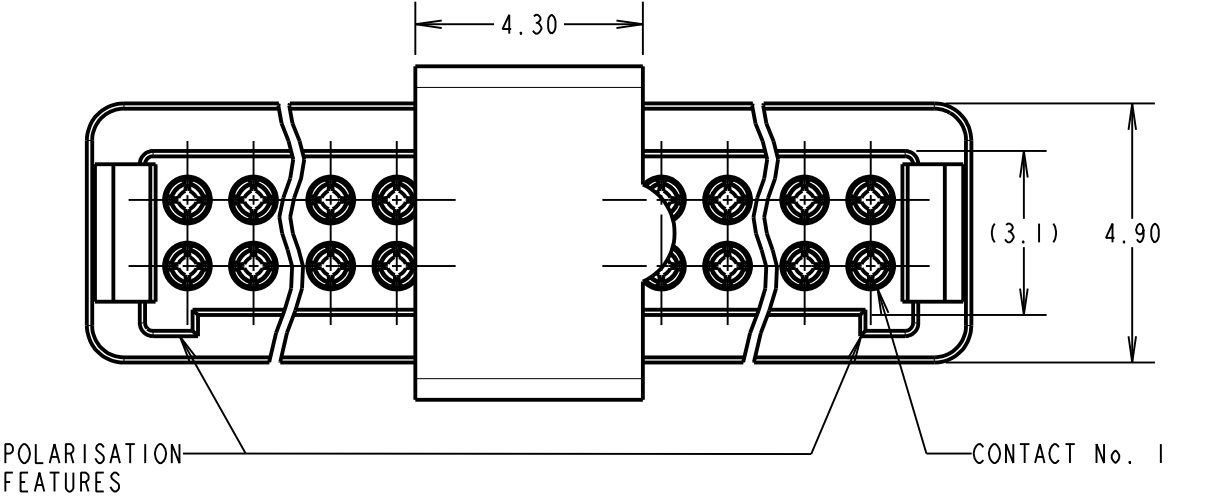
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



ORDER CODE: **G125-FVXXX05L0P**

CONTACT STYLE: _____

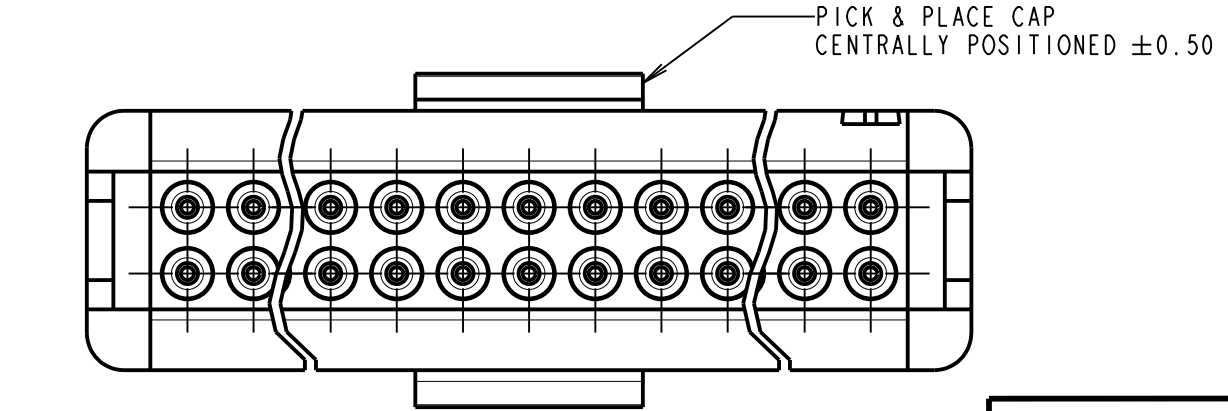
3.00mm PC-TAIL = V1

4.50mm PC-TAIL = V2

TOTAL No. OF CONTACTS: _____

06, 10, 12, 16, 20, 26, 34, 50

CONTACT STYLE	DIM 'Z'
V1	3.00
V2	4.50



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).

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

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TOLERANCES
X. = $\pm 1\text{mm}$
X.X = $\pm 0.50\text{mm}$
X.XX = $\pm 0.10\text{mm}$
X.XXX = $\pm 0.01\text{mm}$
ANGLES = $\pm 5^\circ$
UNLESS STATED

MATERIAL:
SEE ABOVE

FINISH: SEE ABOVE

S/AREA: mm²

TITLE: 1.25mm GECKO FEMALE VERTICAL THROUGH BOARD CONNECTORS

DRAWING NUMBER: **G125-FVXXX05L0P**

SHT 5 OF 6

Customer Information Sheet

DRAWING No.: G125-FVXXX05L0P

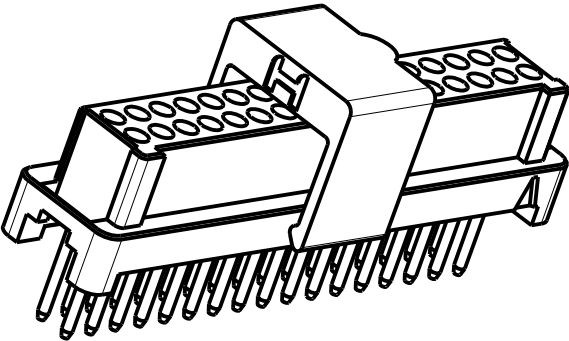
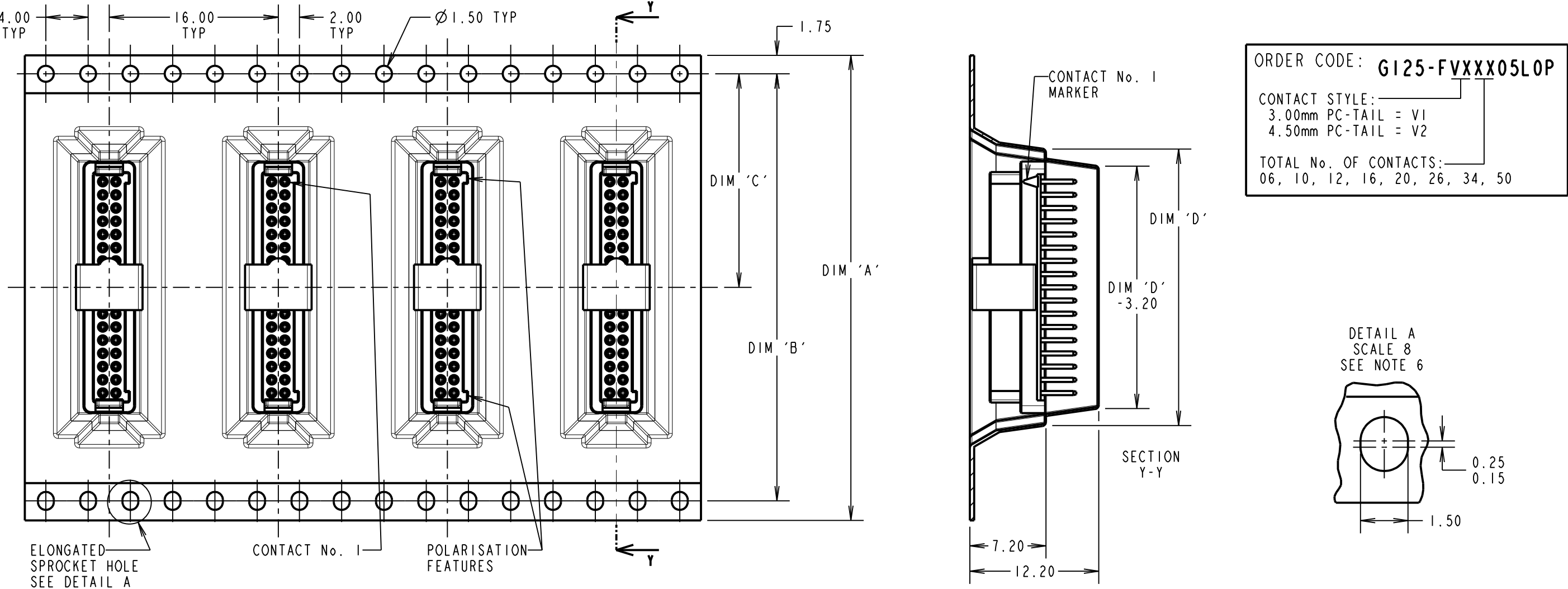
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THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



- NOTES:
- COMPONENTS ARE ORIENTATED IN TAPE POCKETS AS SHOWN.
 - COMPONENTS ARE SUPPLIED IN STRIPS OF TAPE. SUPPLIED QUANTITY MAY CONSIST OF MORE THAN ONE STRIP. STRIP LENGTH MAY VARY.
 - LARGE QTY'S MAY BE SHIPPED ON A REEL AND MAY NOT HAVE A LEADER.
 - FOR PARTS ON REEL SUITABLE FOR AUTOMATIC MACHINE PLACEMENT PLEASE ORDER: G125-FVXXX05L0R.

REELED PART No.	LOOSE PART No.	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'
G125-FVX0605L0P	G125-FVX0605L0P	24.0±0.3	NO ELONGATED HOLE	11.50	(8.6)
G125-FVX1005L0P	G125-FVX1005L0P				(11.1)
G125-FVX1205L0P	G125-FVX1205L0P	32.0±0.3	28.40	14.20	(12.4)
G125-FVX1605L0P	G125-FVX1605L0P				(14.9)
G125-FVX2005L0P	G125-FVX2005L0P	44.0±0.3	40.40	20.2±0.15	(17.4)
G125-FVX2605L0P	G125-FVX2605L0P				(21.1)
G125-FVX3405L0P	G125-FVX3405L0P				(26.1)
G125-FVX5005L0P	G125-FVX5005L0P	56.0±0.3	52.40	26.2±0.15	(36.1)

MR	2	08.11.18	20862
NAME	ISS.	DATE	C/NOTE
APPROVED: M.RUDKIN			
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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 ABOVE

FINISH:

SEE ABOVE

S/AREA:

mm²

TITLE: 1.25mm GECKO FEMALE
VERTICAL THROUGH BOARD
CONNECTORS

DRAWING NUMBER:

G125-FVXXX05L0P

SHT

6

OF

6

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 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 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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X = \pm 1mm
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

Mouser Electronics

Authorized Distributor

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

Harwin:

[G125-FV21205L0P](#) [G125-FV11605L0P](#) [G125-FV22605L0P](#) [G125-FV11205L0P](#) [G125-FV12605L0P](#) [G125-FV12005L0P](#) [G125-FV21605L0P](#) [G125-FV22005L0P](#) [G125-FV13405L0P](#) [G125-FV11005L0P](#) [G125-FV15005L0P](#) [G125-FV20605L0P](#) [G125-FV21005L0P](#) [G125-FV23405L0P](#) [G125-FV25005L0P](#) [G125-FV10605L0P](#)