

Customer Information Sheet

DRAWING No.: G125-FS1XX05L0X

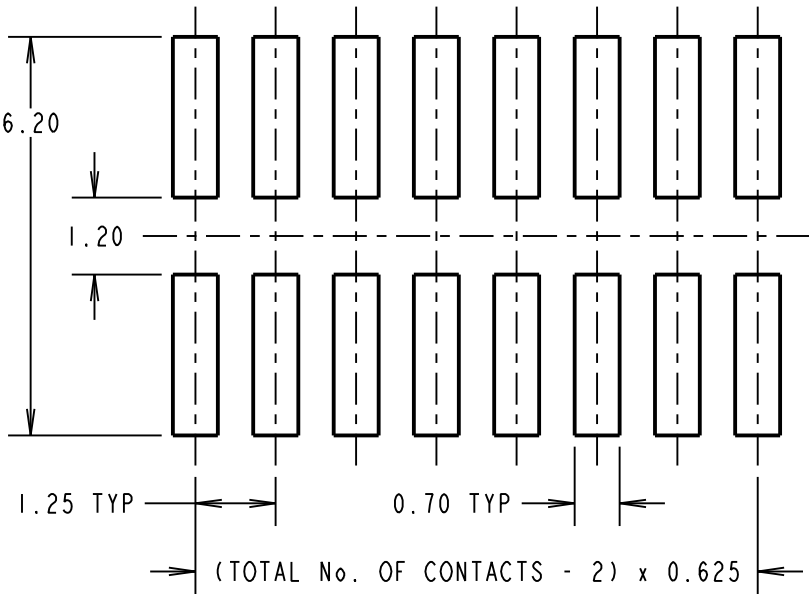
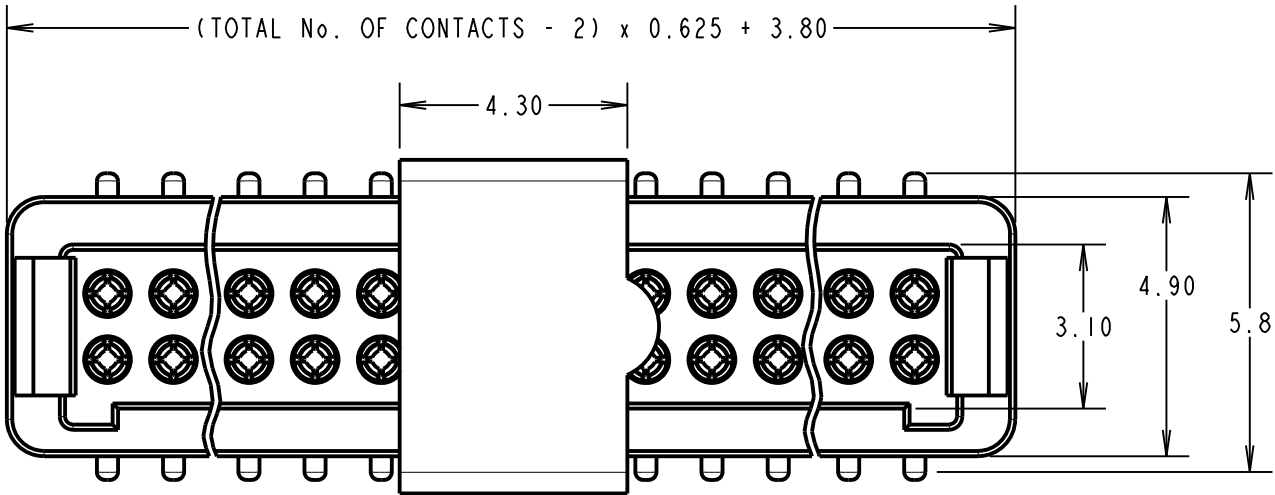
IF IN DOUBT - ASK

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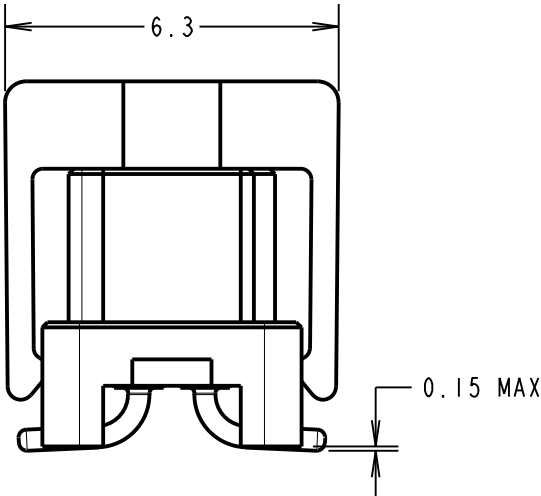
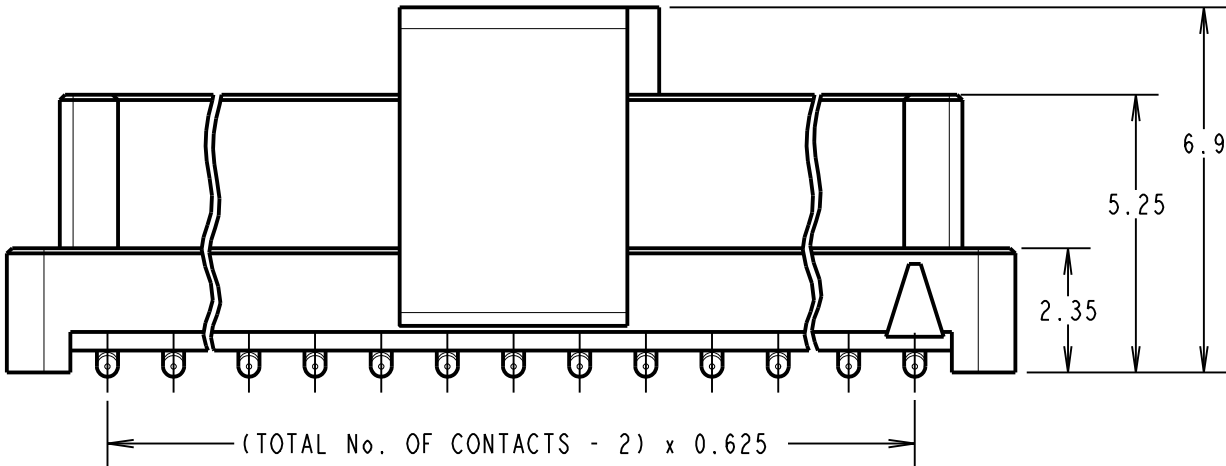
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



RECOMMENDED PCB LAYOUT



ORDER CODE:

G125-FS1XX05L0X

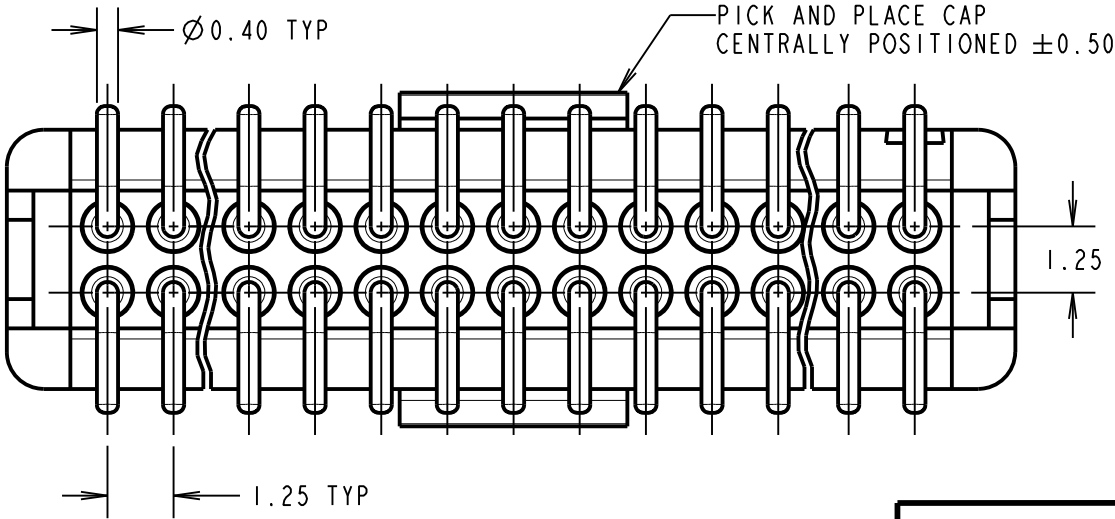
TOTAL No. OF CONTACTS:

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

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:
- FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C125XX (LATEST ISSUE).
 - SEE SHEET 3 FOR TAPE & REEL DETAILS OF THIS PRODUCT.
 - CO-PLANARITY OF SMT TAILS NOT TO EXCEED 0.10mm.

SF	I	22.11.13	12281
NAME	ISS.	DATE	C/NOTE
APPROVED:		S.FLOWER	
CHECKED:		S.BENNETT	
DRAWN:		S.FLOWER	
CUSTOMER REF.:			
ASSEMBLY DRG:			

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TOLERANCES
X. = ±1mm
X.X = ±0.25mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

MATERIAL:

SEE SHEET 4

FINISH:

S/AREA:

mm²

TITLE:

1.25mm GECKO FEMALE VERTICAL
SMT CONNECTORS IN TAPE & REEL

DRAWING NUMBER:

G125-FS1XX05L0X

SHT
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Customer Information Sheet

DRAWING No.: G125-FS1XX05L0X

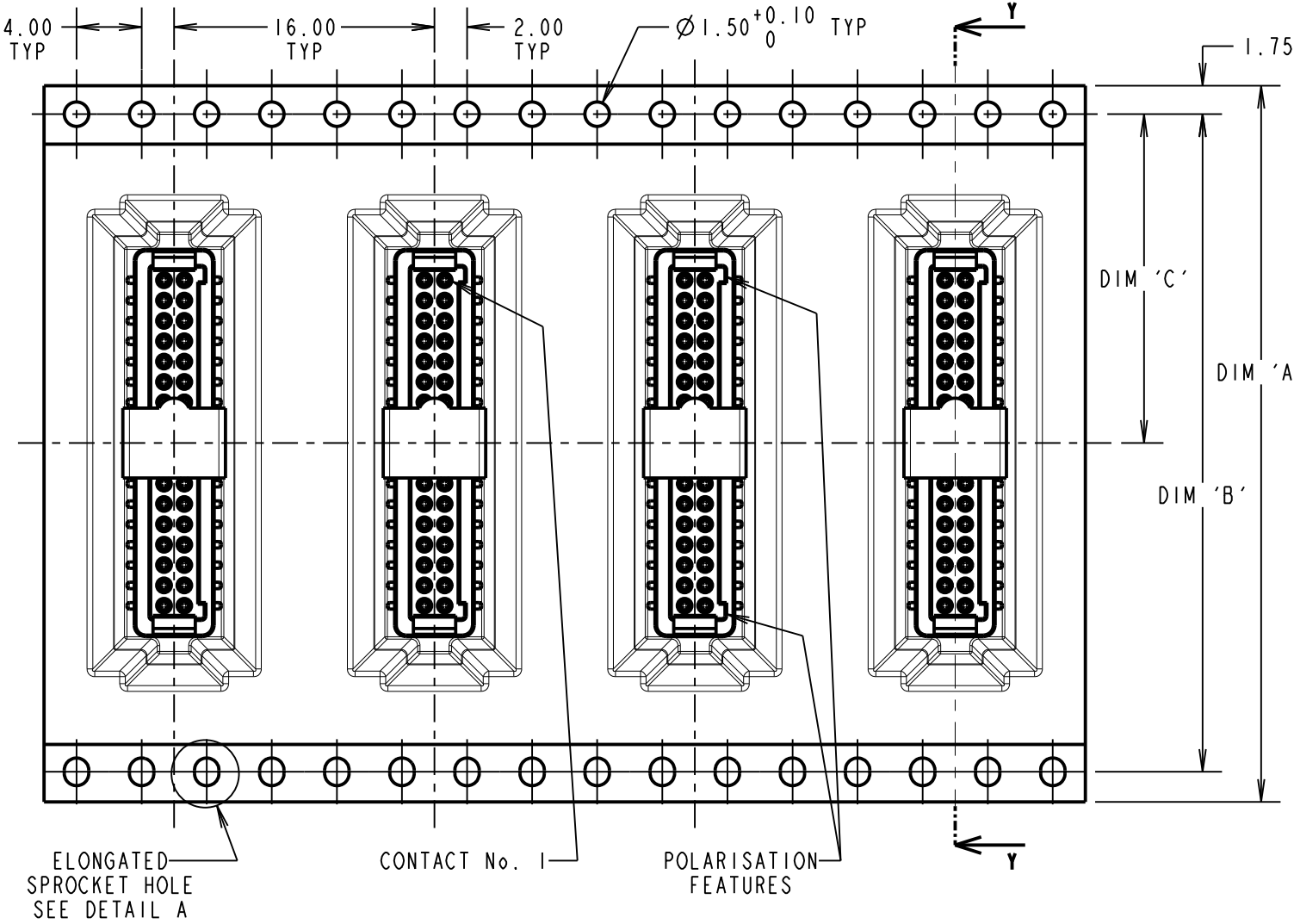
IF IN DOUBT - ASK

(C)

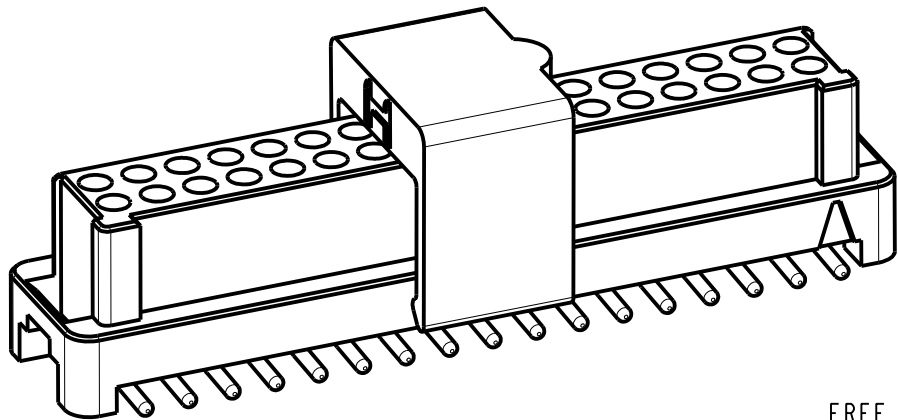
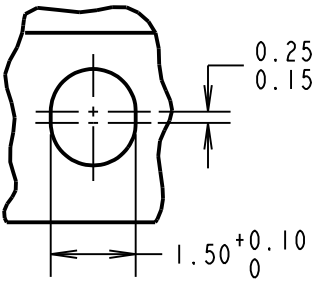
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



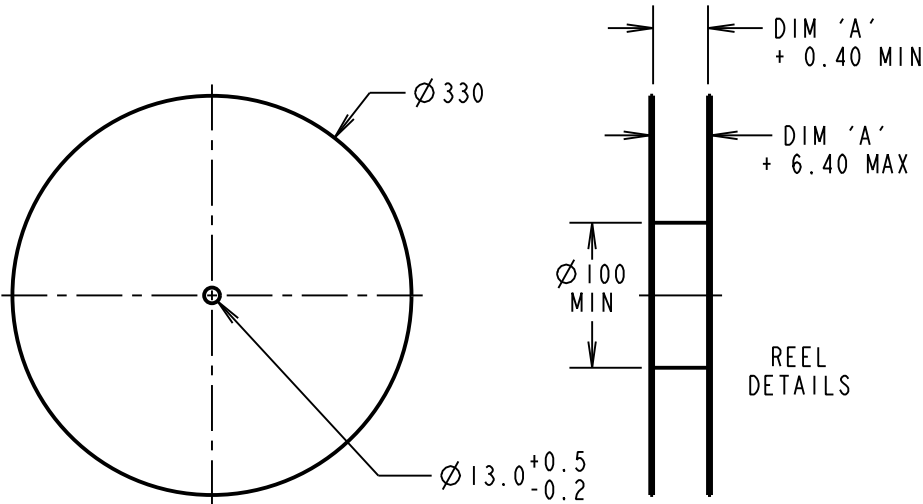
DETAIL A
SCALE 8
SEE NOTE 6



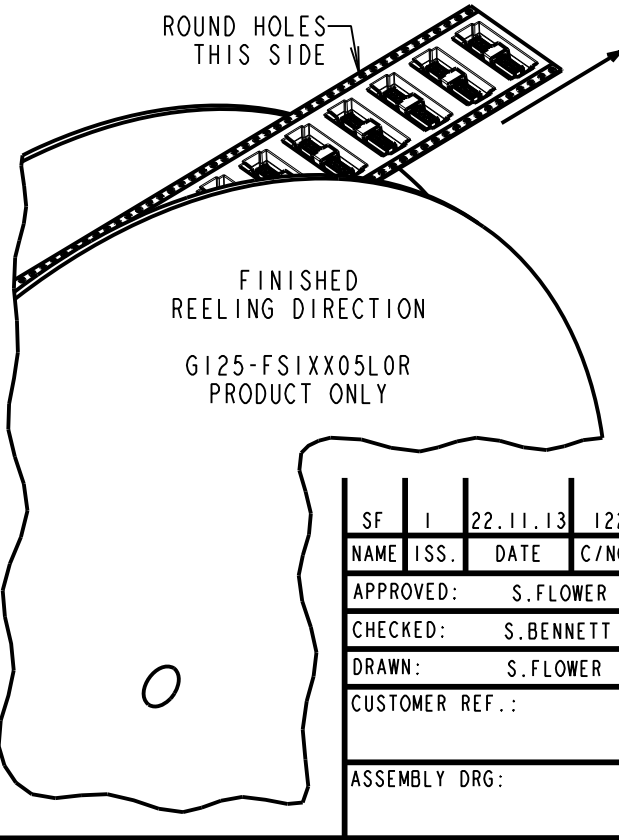
ORDER CODE:
G125-FS1XX05L0X

TOTAL No. OF CONTACTS:
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P = EACH (CUT TAPE LENGTHS)



REELED PART No.	LOOSE PART No.	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'
G125-FVX0605L0R	G125-FVX0605L0P	24.0±0.3	NO ELONGATED HOLE	11.50	(8.6)
G125-FVX1005L0R	G125-FVX1005L0P				(11.1)
G125-FVX1205L0R	G125-FVX1205L0P	32.0±0.3	28.40	14.20	(12.4)
G125-FVX1605L0R	G125-FVX1605L0P				(14.9)
G125-FVX2005L0R	G125-FVX2005L0P	44.0±0.3	40.40	20.2±0.15	(17.4)
G125-FVX2605L0R	G125-FVX2605L0P				(21.1)
G125-FVX3405L0R	G125-FVX3405L0P				(26.1)
G125-FVX5005L0R	G125-FVX5005L0P	56.0±0.3	52.40	26.2±0.15	(36.1)



- NOTES:
- FOR "R" QUANTITY OF COMPONENTS PER REEL = 250.
 - FOR "P" QUANTITIES ARE EACH AND CUT FROM G125-FVX3405L0R.
 - 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 TOWARDS THE FREE END.
 - ELONGATED SPROCKET HOLE NOT PRESENT ON 06 & 10 POSITIONS.

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X.X = ±0.25mm
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X.XXX = ±0.01mm

ANGLES = ±5°
UNLESS STATED

MATERIAL:

SEE SHEET 4

FINISH:

S/AREA:

mm²

TITLE:

1.25mm GECKO FEMALE VERTICAL
SMT CONNECTORS IN TAPE & REEL

DRAWING NUMBER:

G125-FS1XX05L0X

SHT
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OF
4

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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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
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OF
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Mouser Electronics

Authorized Distributor

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

Harwin:

[G125-FC10605L0-0150L](#) [G125-FC11205L0-0150L](#) [G125-FS10605L0P](#) [G125-FS10605L0R](#) [G125-FS11005L0P](#)
[G125-FS11005L0R](#) [G125-FS11605L0R](#) [G125-FS12005L0R](#) [G125-FS12605L0R](#) [G125-FS13405L0P](#) [G125-](#)
[FS13405L0R](#) [G125-FS15005L0P](#) [G125-FV11005L0R](#) [G125-FV11205L0R](#) [G125-FV11605L0R](#) [G125-FV12005L0R](#)
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