

Customer Information Sheet

DRAWING No.: G125-FS1XX05F2P

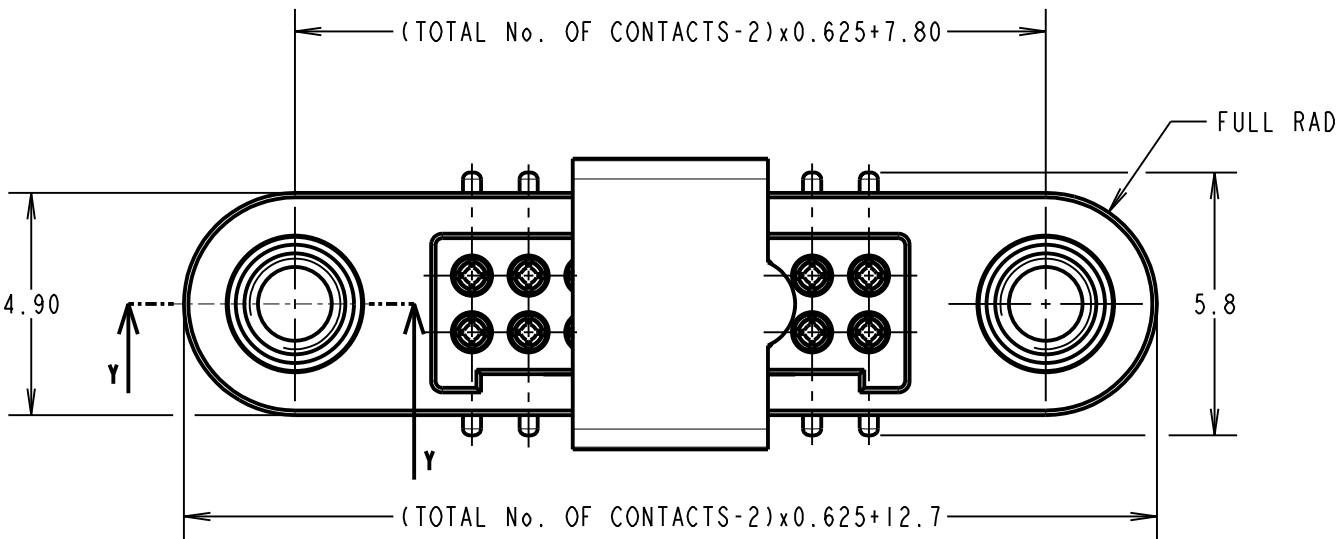
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NOT TO SCALE

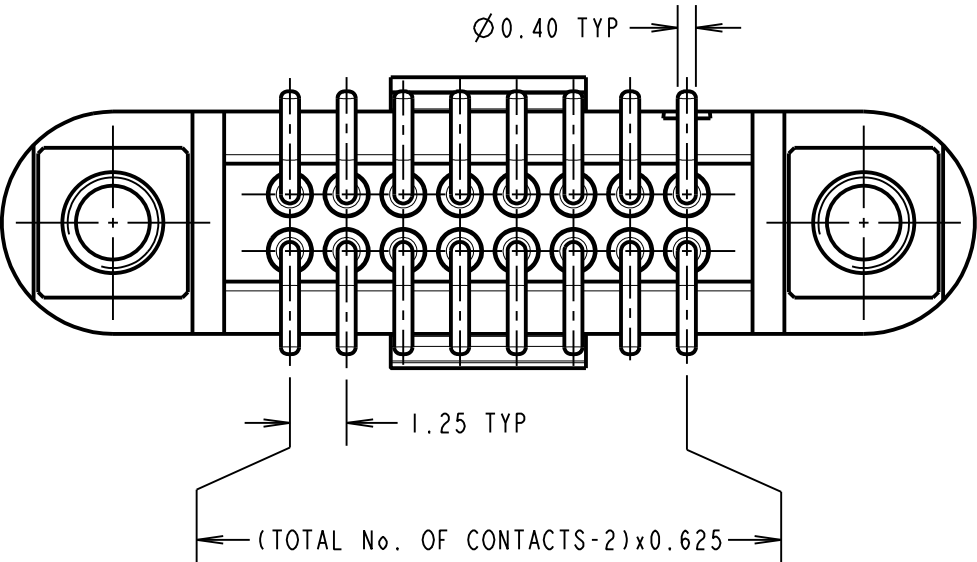
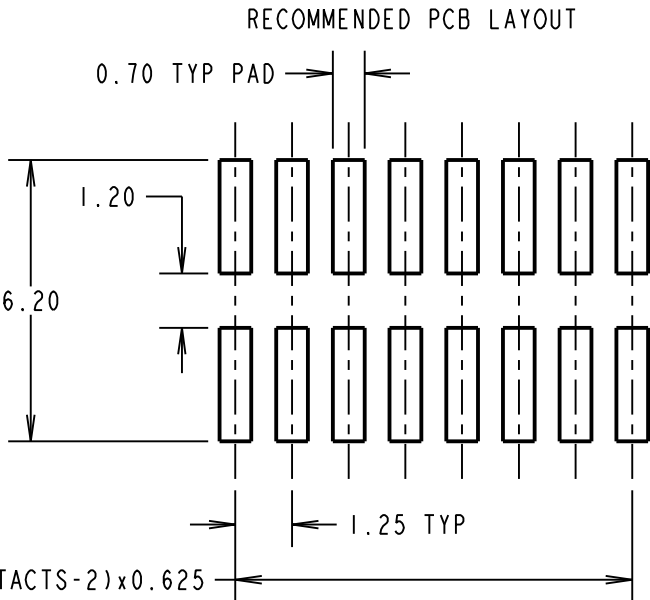
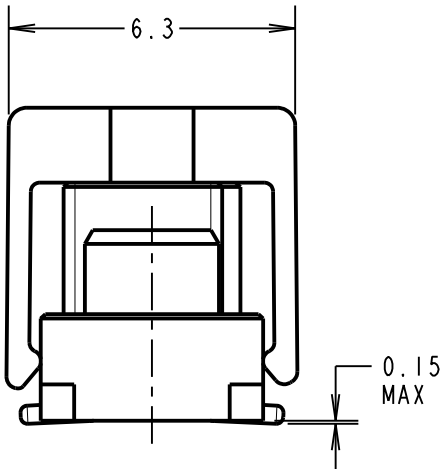
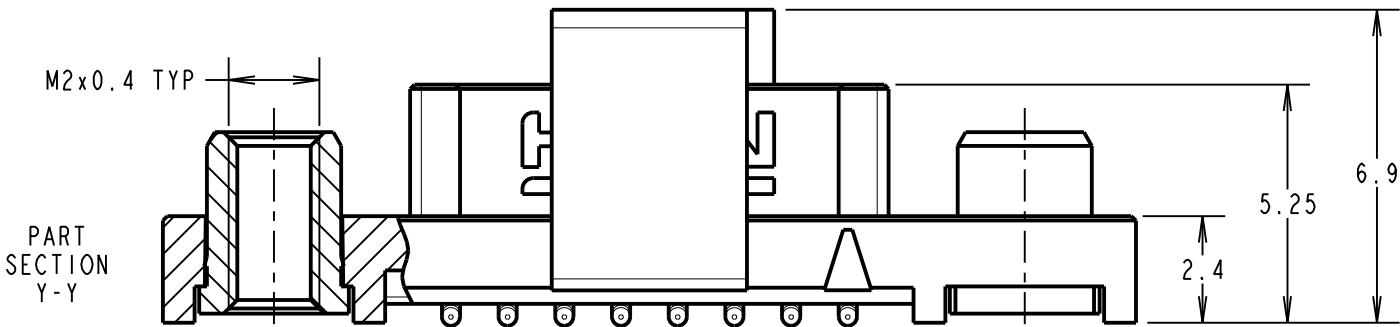
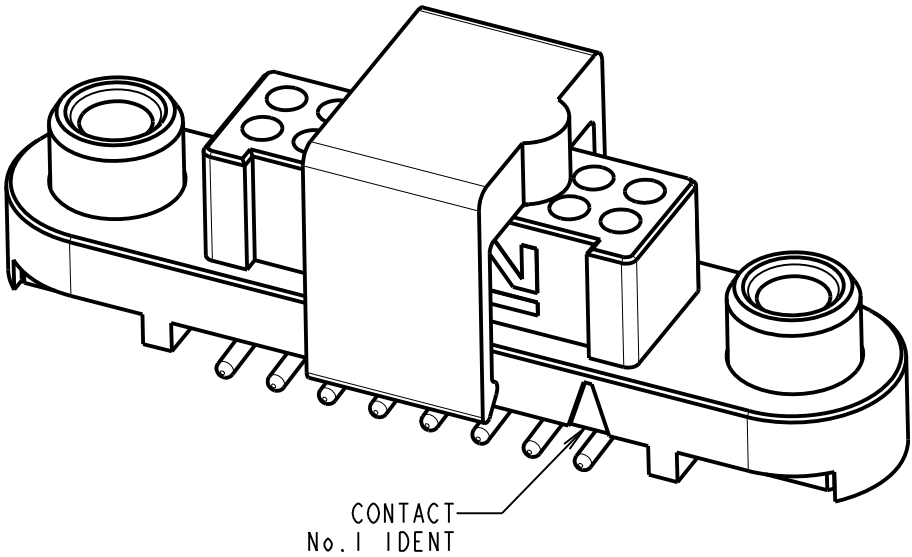
THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



ORDER CODE:  
**G125-FS1XX05F2P**

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



CONNECTOR AND PCB LAYOUT DETAILS ONLY.  
SEE SHEET 4 FOR TAPE STRIP DETAILS.

- NOTES:
- 1. FOR MATERIALS, FINISH AND SPECIFICATIONS SEE GECKO SERIES SPECIFICATION SUMMARY SHEET OR COMPONENT SPECIFICATION C125XX (LATEST ISSUE) FOR FULL SPECIFICATION.
  - 2. CO-PLANARITY OF SMT TAILS = 0.10mm MAX.
  - 3. DRAWING SHOWS CONNECTOR WITH 16 CONTACTS.



MR	I	07.11.18	21594
NAME	ISS.	DATE	C/NOTE
APPROVED: M.RUDKIN			
CHECKED: S.BENNETT			
DRAWN: MARK G PLESTED			
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: mm<sup>2</sup>

TITLE:  
GECKO-SL REVERSE FIX FEMALE  
VERT. SMT CONNECTOR IN TAPE

DRAWING NUMBER:  
**G125-FS1XX05F2P**

SHT 3 OF 4

# Customer Information Sheet

DRAWING No.: G125-FS1XX05F2P

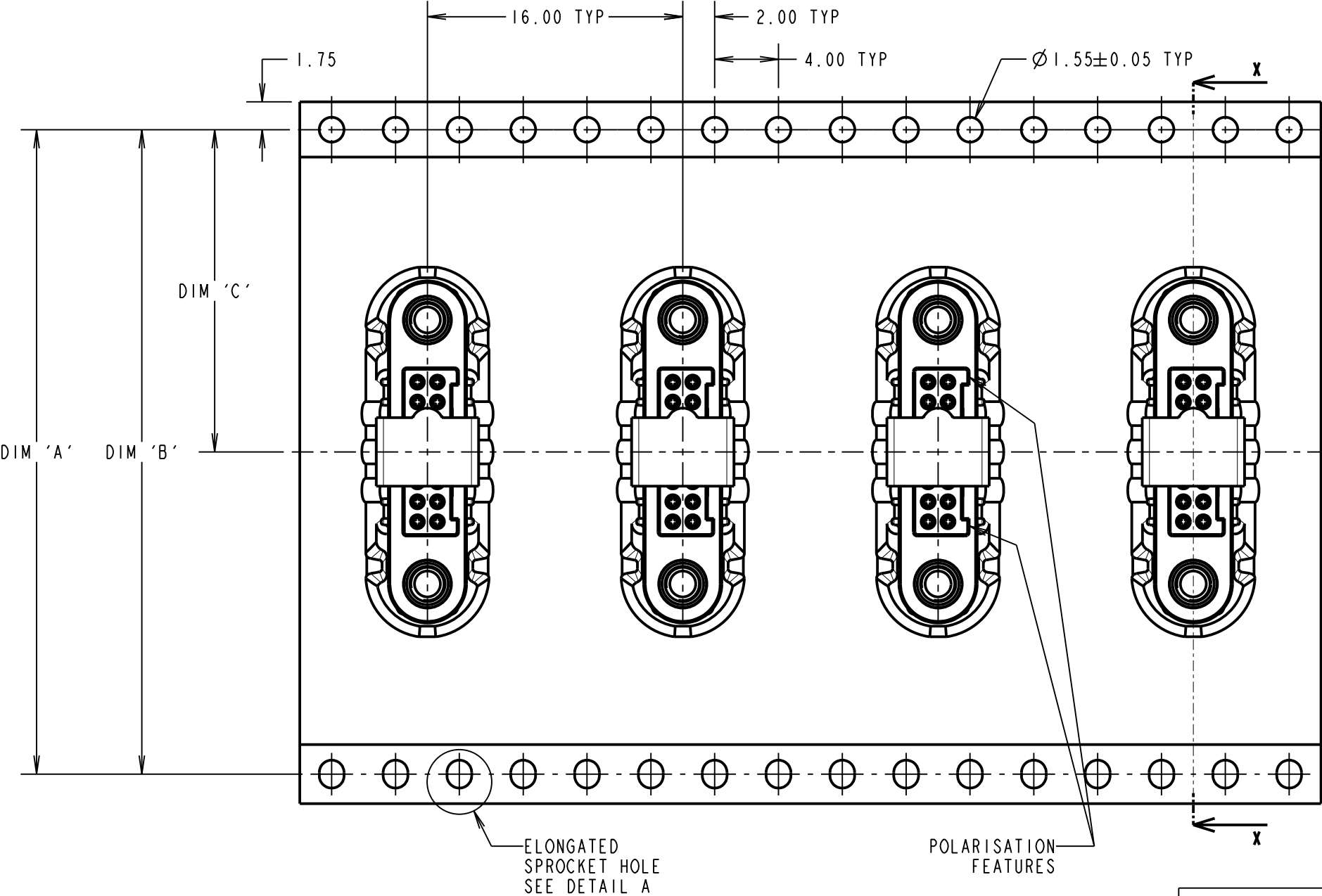
IF IN DOUBT - ASK

©

NOT TO SCALE

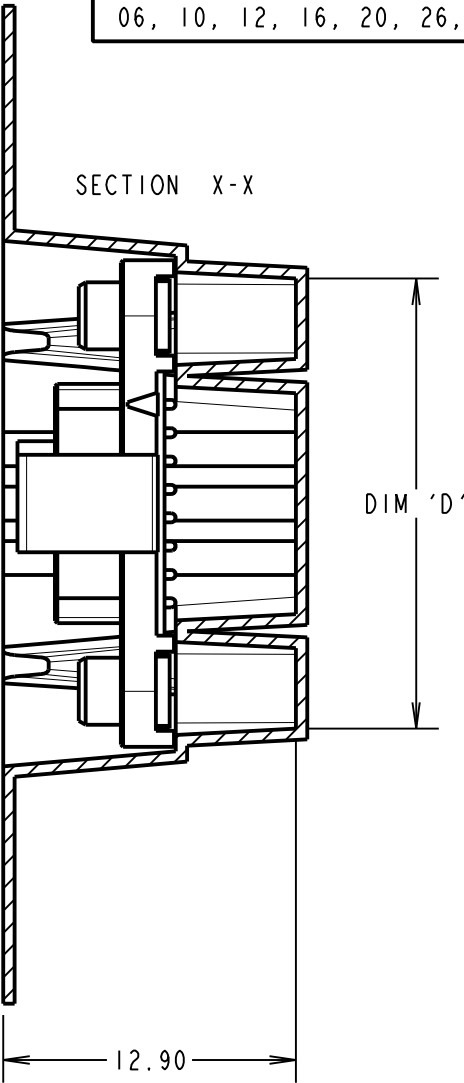
THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

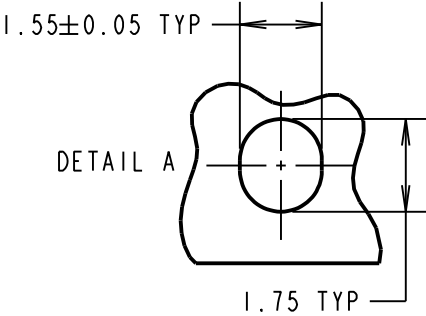


ORDER CODE:  
**G125-FS1XX05F2P**

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



TAPE STRIP DETAILS ONLY. SEE SHEET 3  
FOR CONNECTOR AND PCB LAYOUT DETAILS.



- NOTES CONT.:
- 4. COMPONENTS ARE ORIENTED IN TAPE POCKETS AS SHOWN.
  - 5. COMPONENTS ARE SUPPLIED IN STRIPS OF TAPE. SUPPLIED QUANTITY MAY CONSIST OF MORE THAN ONE STRIP. STRIP LENGTH MAY VARY.
  - 6. LARGE QTY'S MAY BE SHIPPED ON A REEL AND MAY NOT HAVE A LEADER.
  - 7. FOR PARTS ON REEL SUITABLE FOR AUTOMATIC MACHINE PLACEMENT PLEASE ORDER: G125-FS1XX05F2R.

LOOSE PART No. CUT STRIPS IN MULTIPLES OF 1	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'
G125-FS10605F2P	32.0±0.3	28.40	14.20	13.60
G125-FS11005F2P				16.10
G125-FS11205F2P				17.35
G125-FS11605F2P	44.0±0.3	40.40	20.20±0.15	19.85
G125-FS12005F2P				22.20±0.15
G125-FS12605F2P				26.00±0.15
G125-FS13405F2P	56.0±0.3	52.40	26.20±0.15	30.90±0.15
G125-FS15005F2P				41.00±0.15

MR	I	07.11.18	21594
NAME	ISS.	DATE	C/NOTE
APPROVED: M.RUDKIN			
CHECKED: S.BENNETT			
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CUSTOMER REF.:			
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: mm<sup>2</sup>

TITLE:  
GECKO-SL REVERSE FIX FEMALE  
VERT. SMT CONNECTOR IN TAPE  
DRAWING NUMBER:  
**G125-FS1XX05F2P**  
SHT  
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# 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 $\mu$  GOLD OVER NICKEL  
LATCHES:  
3.0 $\mu$  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-364-27B : 1996: TEST CONDITION E SHOCK SEVERITY: 981 mm/s<sup>2</sup>  
(100G) FOR 6ms IN Z AXIS, 490 mm/s<sup>2</sup> (50G) FOR 11ms IN X & Y AXIS.

\* EIA-364-01A : 2000: ACCELERATION: 490 mm/s<sup>2</sup> (50G)  
\* BUMP SEVERITY: 390 mm/s<sup>2</sup> (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 $\Omega$  MAX  
EIA-364-06C : 2006: CONTACT RESISTANCE AFTER CONDITIONING = 25m $\Omega$  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 $\Omega$  MIN AT 500V DC  
EIA-364-21C : 2000: INSULATION RESISTANCE (AFTER CONDITIONING)  
= >1 G $\Omega$  MIN AT 500V DC

FOR FULL COMPONENT SPECIFICATION SEE C125XX (LATEST ISSUE).

\* EIA-364-28D : 1999: TEST CONDITION IV: VIBRATION SEVERITY:  
10Hz TO 2000Hz, 1.5MM, 198 mm/s<sup>2</sup> (20G). DURATION 2Hr

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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#### TOLERANCES

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: mm<sup>2</sup>

#### TITLE:

G125 SERIES COMPONENT SPECIFICATION

DRAWING NUMBER:

G125-SERIES CONNECTORS

SHT  
1 OF 1