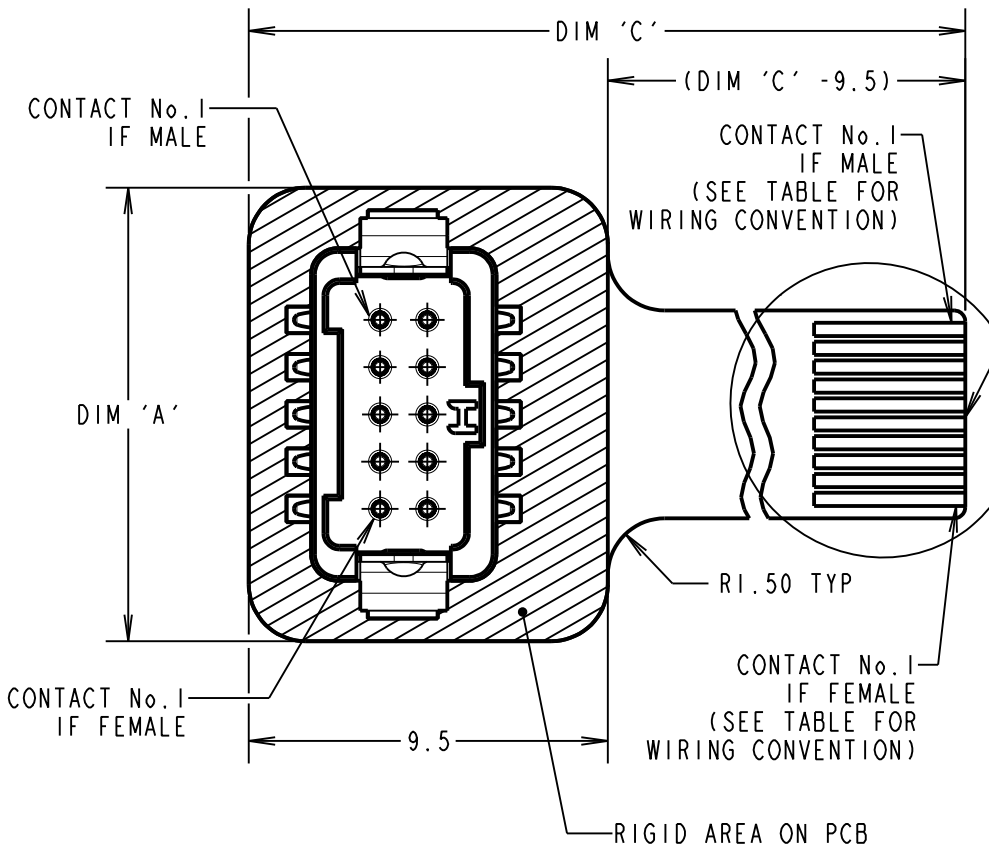


Customer Information Sheet

DRAWING No.: G125-F1XXXXX-XXX-L IF IN DOUBT - ASK (C) NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm



CONTACT No.1 IF MALE

CONTACT No.1 IF FEMALE

DIM 'A'

DIM 'C'

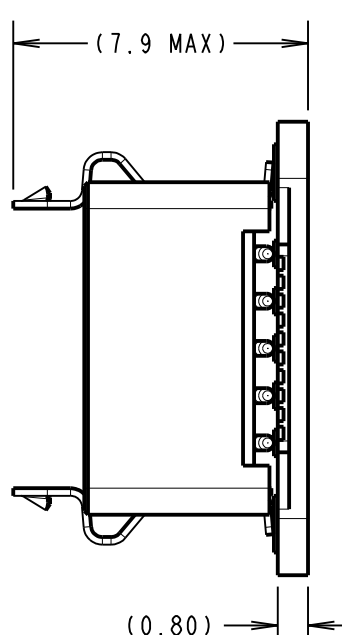
(DIM 'C' - 9.5)

CONTACT No.1 IF MALE (SEE TABLE FOR WIRING CONVENTION)

CONTACT No.1 IF FEMALE (SEE TABLE FOR WIRING CONVENTION)

9.5

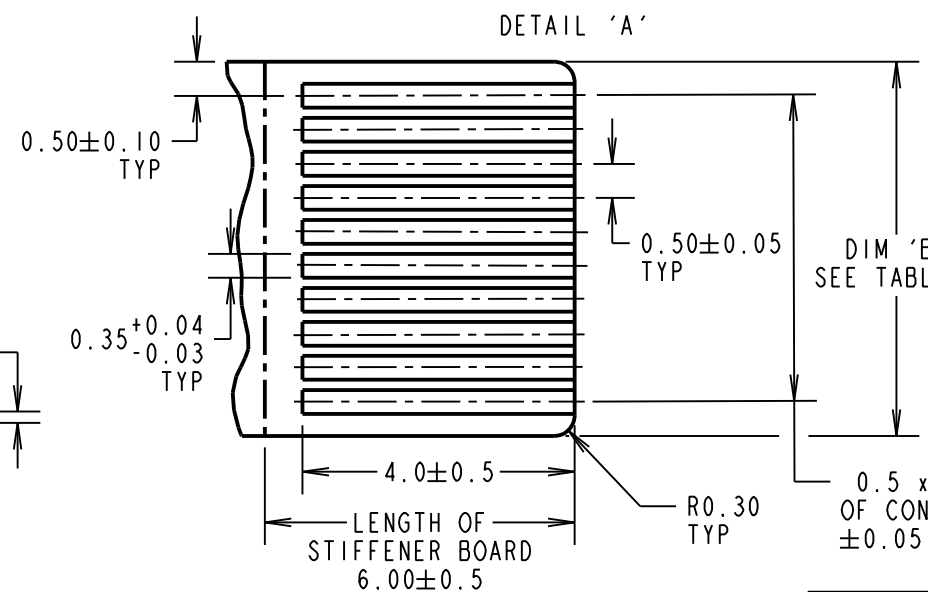
RIGID AREA ON PCB



(7.9 MAX)

(0.80)

SEE NOTE 4



0.50±0.10 TYP

0.35+0.04/-0.03 TYP

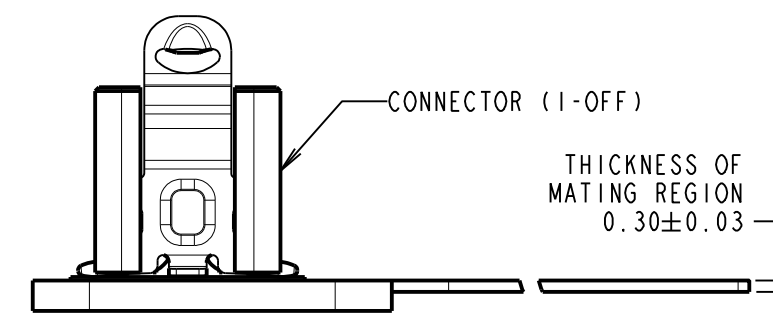
0.50±0.05 TYP

4.0±0.5

LENGTH OF STIFFENER BOARD 6.00±0.5

R0.30 TYP

DIM 'B' SEE TABLE 1



0.30±0.03

CONNECTOR (1-OFF)

ORDER CODE:

**G125-F1XXXXX-XXX-L**

CONNECTOR 1 PART No.: \_\_\_\_\_

MS1 = G125-MS1XX05L3P

FS1 = G125-FS1XX05L0P

TOTAL No. OF CONTACTS: \_\_\_\_\_

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

DIM 'C' (PCB LENGTH): \_\_\_\_\_

999 = 999mm MAX.

TABLE 2

ZIF PIN OUT No.	CONNECTOR PIN OUT No.
1	1
2	6
3	2
4	7
5	3
6	8
7	4
8	9
9	5
10	10

BASED ON G125-MF11005L3-0075L SHOWN. CONVENTION CONTINUES AS FOLLOWS:

ALL FIRST ROW CONTACTS:  
CONTACT X TO CONTACT ((TOTAL/2)+X)  
(WHERE X IS CONTACT POSITION)

ALL SECOND ROW CONTACTS:  
CONTACT Y TO CONTACT (Y-(TOTAL/2))  
(WHERE Y IS CONTACT POSITION)

'FIRST ROW' POSITIONS ON CONTACT No.1 ROW

'SECOND ROW' POSITIONS OPPOSITE CONTACT No.1 ROW

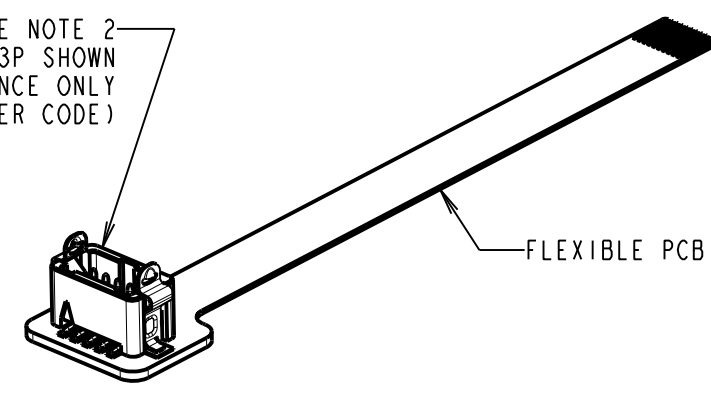
NOTES:

- FOR COMPLETE CONNECTOR SPECIFICATION, SEE COMPONENT SPECIFICATION C125XX (LATEST ISSUE).
- CONNECTOR SHOWN IS FOR REFERENCE ONLY. SEE TABLE AND ORDER CODE FOR POSSIBLE CONFIGURATIONS.
- PCB ASSEMBLIES PACKED INDIVIDUALLY IN ANTI-STATIC BAGS.
- 0.5mm PITCH CONNECTION DESIGNED FOR USED WITH ZIF/FPC/FFC.

FLEX PCB SPECIFICATION:

- BOARD CONSTRUCTION:
  - SINGLE LAYER FLEXIBLE PCB
  - 50µm BASE POLYIMIDE
  - 35µm (1oz) COPPER CLAD TO IPC-4204/1
  - 50µm BONDED COVERLAY TO IPC-4203/1
  - 0.8mm HTG FR4 TO IPC-4101/126 LOCALLY RIGIDISED IN CONNECTOR AREAS
- SURFACE FINISH:
  - ENIG TO IPC-4552 ON EXPOSED COPPER
- IPC CLASSIFICATION:
  - BARE CIRCUIT - IPC-A-600/IPC-6013 CLASS 3
  - ASSEMBLY - IPC-A-610/J-STD-001 CLASS 3
- MECHANICAL PROPERTIES:
  - NOMINAL FLEX THICKNESS = 0.185mm
  - MINIMUM STATIC BEND RADIUS (IPC-2223) = 1.85mm
  - SUITABLE FOR DYNAMIC OPERATION ON BEND RADII ABOVE 3.70mm
- ELECTRICAL PROPERTIES:
  - MAX. CURRENT PER TRACK = 0.4A
  - INSULATION RESISTANCE = 10GΩ MIN AT 500V DC
  - VOLTAGE PROOF (AT 1013mbar, SEA LEVEL) = 600V DC OR AC PEAK

SEE NOTE 2  
G125-MS11005L3P SHOWN  
FOR REFERENCE ONLY  
(SEE ORDER CODE)



FLEXIBLE PCB

TABLE 1

DIMENSION	CALCULATION
DIM 'A'	(TOTAL No. OF CONTACTS - 2) x 0.625 + 7
DIM 'B'	(TOTAL No. OF CONTACTS + 1) x 0.5 ± 0.07
DIM 'C'	OVERALL PCB LENGTH (SEE ORDER CODE)

EXAMPLE:  
75mm FLEX PCB WITH 10 CONTACT CONNECTOR (G125-MS11005L3P)

PART NUMBER = G125-F1MS110-075-L  
DIM 'A' = 12mm DIM 'B' = 6mm DIM 'C' = 75mm

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