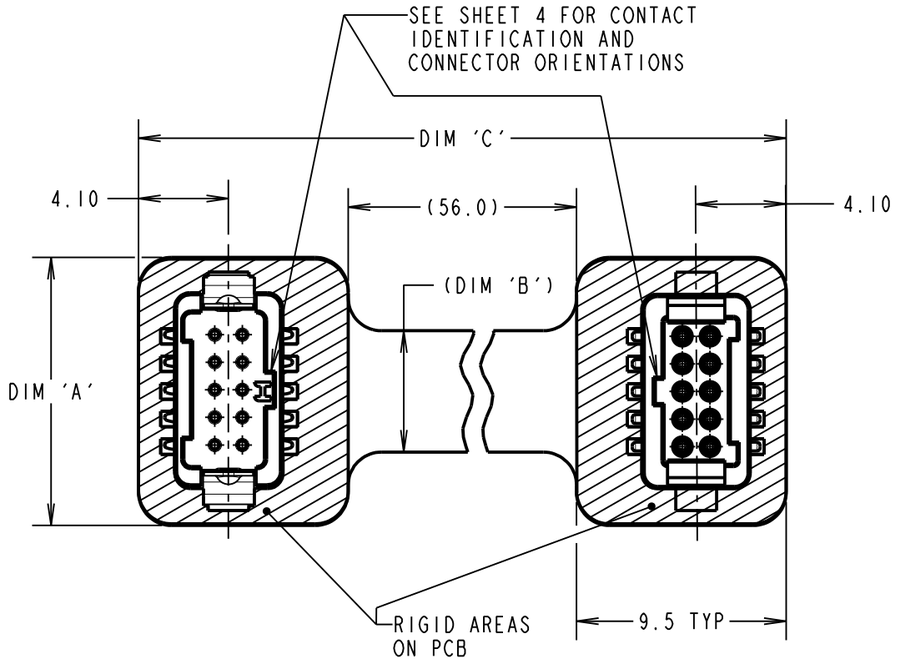
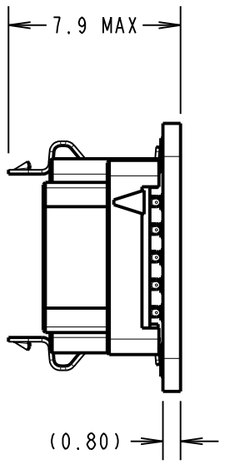
Customer Information Sheet

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





ORDER CODE:

G125-FIXXXXX-XXX-XXX

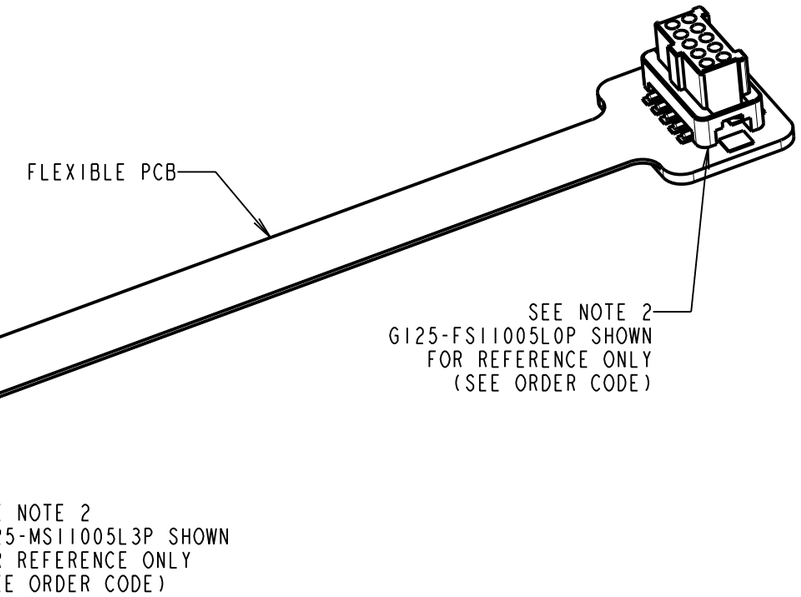
CONNECTOR 1 PART No.:
MSI = G125-MSIXX05L3P
FSI = G125-FSIXX05L0P

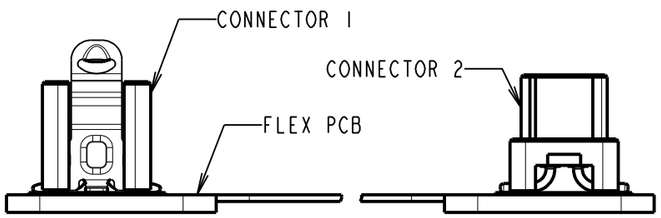
TOTAL No. OF CONTACTS:
06, 10, 12, 16, 20, 26, 34, 50.

CONNECTOR 2 PART No.:
MSI = G125-MSIXX05L3P
FSI = G125-FSIXX05L0P

DIM 'C' (PCB LENGTH):
999 = 999mm MAX.

CONNECTOR ASSEMBLIES AVAILABLE IN MALE-TO-MALE, FEMALE-TO-FEMALE, AND MALE-TO-FEMALE CONFIGURATIONS.





FLEX PCB SPECIFICATION:

-BOARD CONSTRUCTION:
- SINGLE LAYER FLEXIBLE PCB
- 50µm BASE POLYIMIDE
- 35µm (1oz) COPPER CLAD TO IPC-4204/11
- 50µm BONDED COVERLAY TO IPC-4203/11
- 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

NOTES:
1. FOR COMPLETE CONNECTOR SPECIFICATION, SEE COMPONENT SPECIFICATION C125XX (LATEST ISSUE).
2. CONNECTORS SHOWN FOR REFERENCE ONLY. SEE TABLE 2 ON SHEET 4 AND ORDER CODE FOR POSSIBLE CONFIGURATIONS.

TABLE 1	
DIMENSION	CALCULATION
DIM 'A'	(TOTAL No. OF CONTACTS -2) x0.625 + 7
DIM 'B'	(TOTAL No. OF CONTACTS +1) x0.5 ±0.07
DIM 'C'	OVERALL PCB LENGTH (SEE ORDER CODE)

EXAMPLE:
75mm FLEX PCB WITH 10 CONTACT CONNECTORS
(G125-MSI1005L3P, G125-FSI1005L0P)

PART NUMBER = G125-FIMSI10-075-FSI
DIM 'A' = 12mm, DIM 'B' = 5.5mm, DIM 'C' = 75mm

RTP	5	06.05.21	30532
NAME	ISS.	DATE	CN/CO
APPROVED:	R.PORTLOCK		
CHECKED:	M.RUDKIN		
DRAWN:	R.PORTLOCK		
CUSTOMER REF.:			
ASSEMBLY DRG:			

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TOLERANCES
X. = ±1mm
X.X = ±0.50mm
X.XX = ±0.20mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

MATERIAL: SEE ABOVE

FINISH: SEE ABOVE

S/AREA: mm²

TITLE: G125 LATCHED FLEX PCB ASSEMBLY

DRAWING NUMBER: G125-FIXXXXX-XXX-XXX

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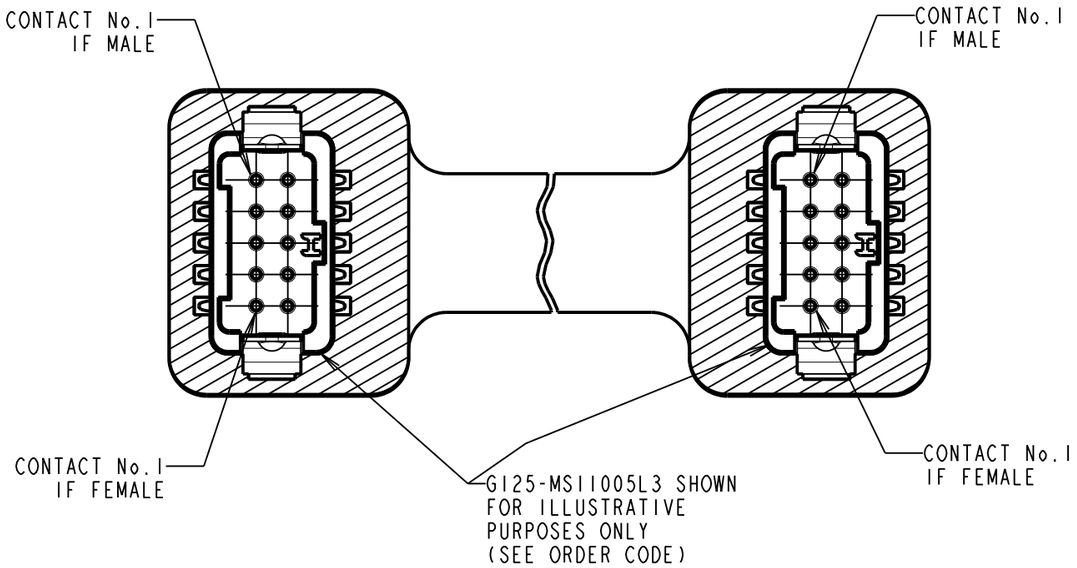
Customer Information Sheet

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

PINOUT A



PINOUT B

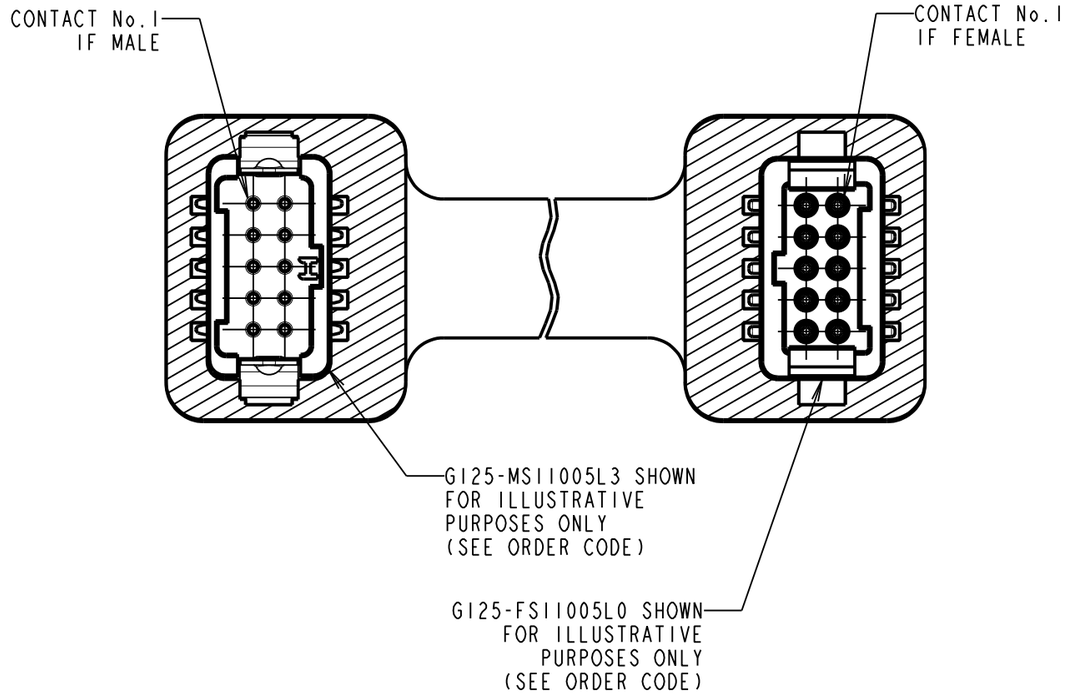


TABLE 2				
CONNECTOR 1		CONNECTOR 2		PINOUT
PART No.	ORIENTATION	PART No.	ORIENTATION	
G125-MSIXX05L3P	AS SHOWN	G125-MSIXX05L3P	SAME AS CONNECTOR 1	PINOUT A
G125-MSIXX05L3P	AS SHOWN	G125-FSIXX05L0P	OPPOSITE OF CONNECTOR 1	PINOUT B
G125-FSIXX05L0P	AS SHOWN	G125-FSIXX05L0P	SAME AS CONNECTOR 1	PINOUT A
PINOUT ROUTING				
PINOUT A	FOR ALL FIRST ROW CONTACTS: CONTACT X TO CONTACT ((TOTAL/2)+X) (WHERE X IS CONTACT POSITION) FOR ALL SECOND ROW CONTACTS: CONTACT Y TO CONTACT (Y-(TOTAL/2)) (WHERE Y IS CONTACT POSITION)			
PINOUT B	FOR ALL CONTACTS: CONTACT Z TO CONTACT Z (WHERE Z IS CONTACT POSITION)			

ORDER CODE:

G125-FIXXXXX-XXX-XXX

- CONNECTOR 1 PART No.: MSI = G125-MSIXX05L3P; FSI = G125-FSIXX05L0P
- TOTAL No. OF CONTACTS: 06, 10, 12, 16, 20, 26, 34, 50.
- CONNECTOR 2 PART No.: MSI = G125-MSIXX05L3P; FSI = G125-FSIXX05L0P
- DIM 'C' (PCB LENGTH): 999 = 999mm MAX.

CONNECTOR ASSEMBLIES AVAILABLE IN MALE-TO-MALE, FEMALE-TO-FEMALE, AND MALE-TO-FEMALE CONFIGURATIONS.

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UNLESS STATED

MATERIAL: SEE ABOVE

FINISH: SEE ABOVE

S/AREA: mm²

TITLE: G125 LATCHED FLEX PCB ASSEMBLY

DRAWING NUMBER: G125-FIXXXXX-XXX-XXX

SHT 4 OF 4