

# Customer Information Sheet

DRAWING No.: M83-LFDIF6NXX-0000-000

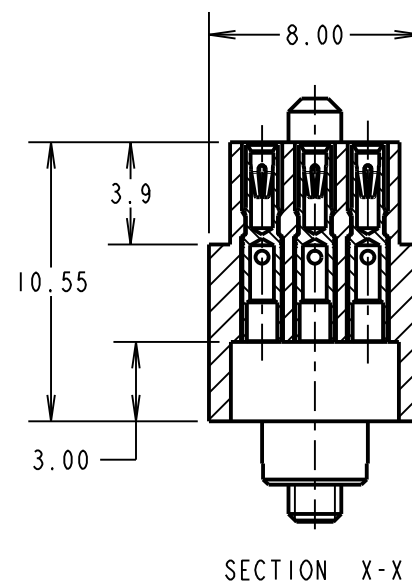
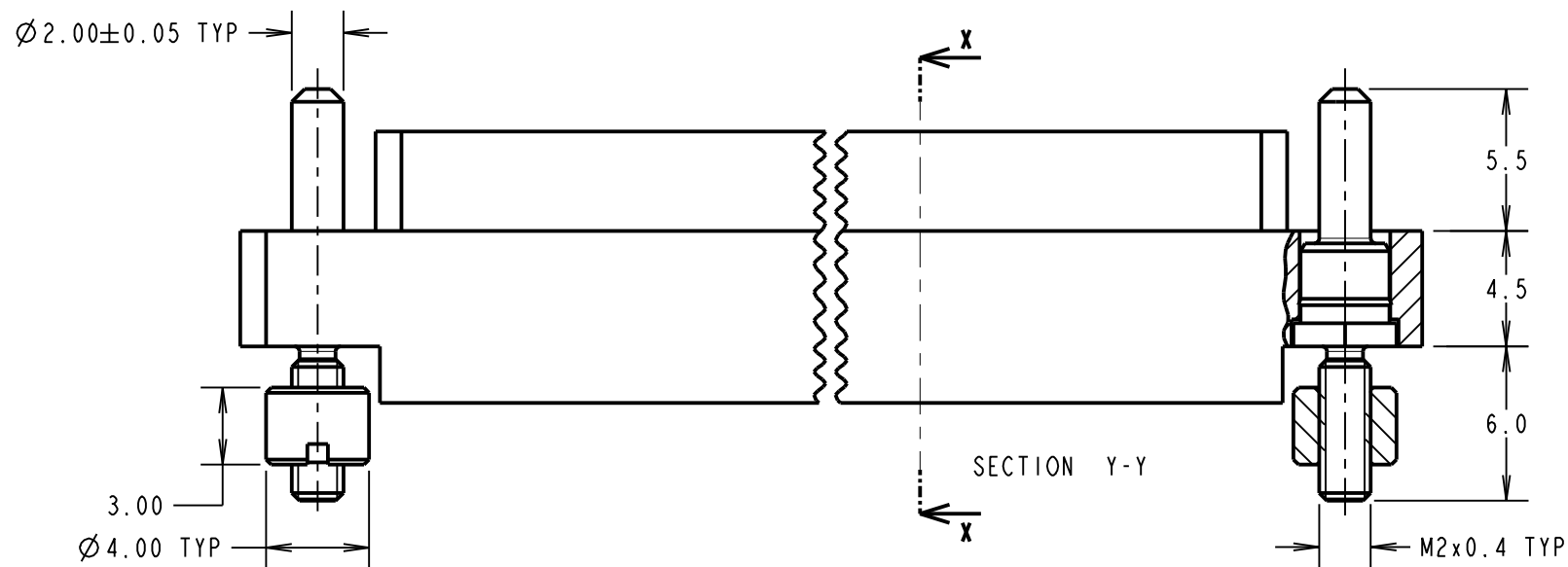
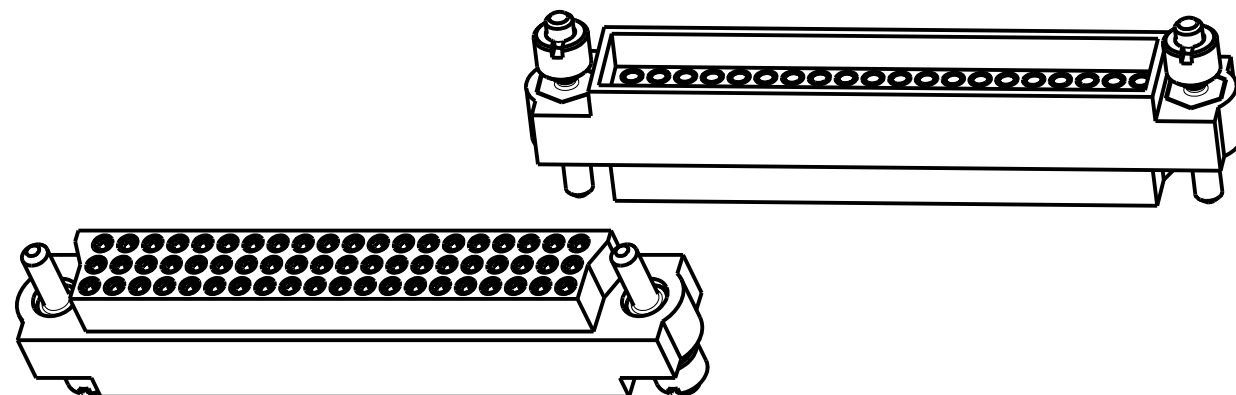
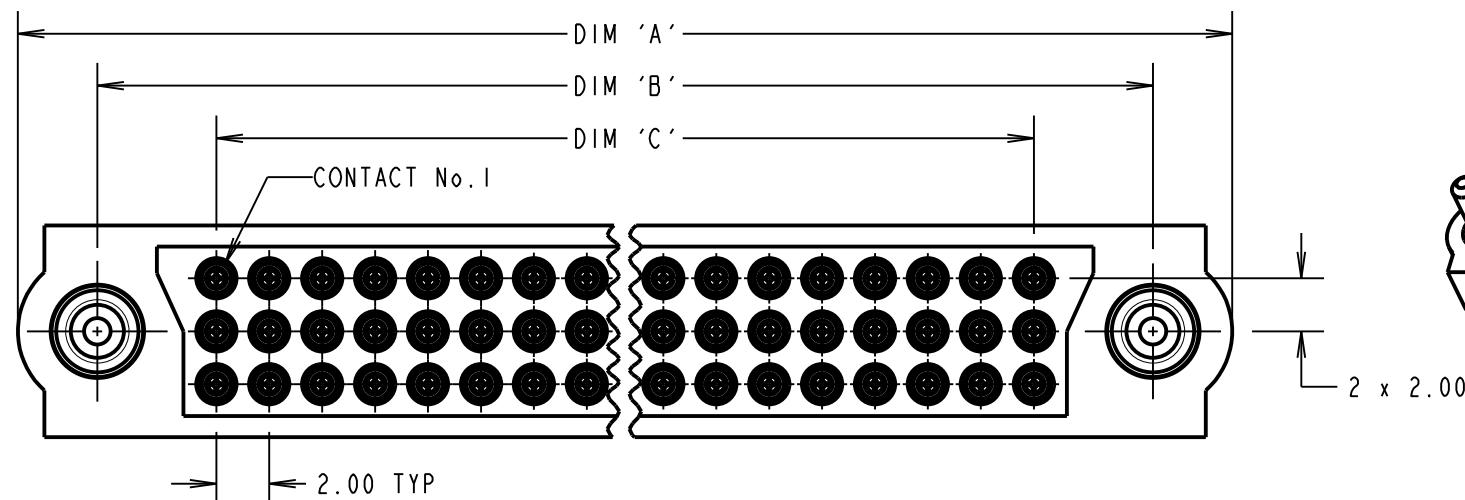
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



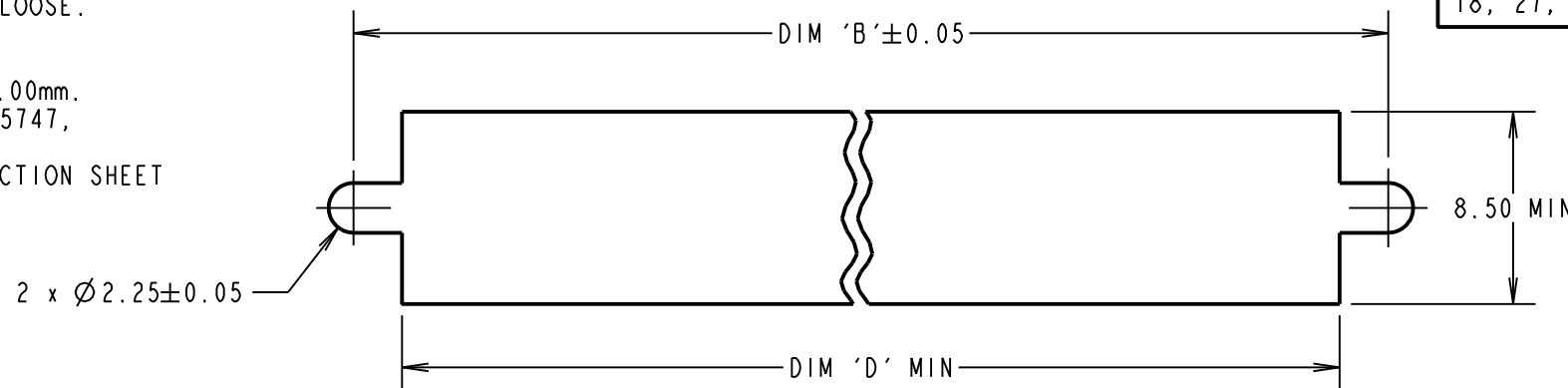
**SPECIFICATIONS:**  
**MATERIAL:**  
 MOULDING = GLASS-FILLED PPS, UL94V-0, BLACK  
 BOARD MOUNT GUIDE PIN = STAINLESS STEEL  
 CONTACT CLIP = BERYLLIUM COPPER  
 CONTACT SHELL = BRASS  
**FINISH:**  
 CONTACT CLIP = 0.3µm GOLD  
 CONTACT SHELL = 0.25-0.3µm GOLD  
**ELECTRICAL:**  
 CURRENT RATING AT 25°C = 3.0A MAX  
 CURRENT RATING AT 85°C = 2.2A MAX  
 WORKING VOLTAGE = 800V AC/DC  
 VOLTAGE PROOF = 1200V AC/DC  
 CONTACT RESISTANCE = 25 mΩ MAX  
 INSULATION RESISTANCE = 100 MΩ MIN  
**MECHANICAL:**  
 DURABILITY = 500 OPERATIONS  
 INSERTION FORCE = 1.0N MAX  
 WITHDRAWAL FORCE = 0.2N MIN  
**ENVIRONMENTAL:**  
 TEMPERATURE RANGE = -55°C TO +125°C  
**PACKING:**  
 TRAY  
 FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)

- NOTES:**
- CONNECTORS ARE SUPPLIED WITH CONTACTS AND BOARD MOUNT NUTS LOOSE.
  - FOR EXTRA CONTACTS, USE PART NUMBER M83-0110005.
  - RECOMMENDED WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 22 AWG. MAX INSULATION DIAMETER = Ø1.10mm, STRIP WIRE BY 2.00mm.
  - RECOMMENDED HAND CRIMP TOOL = M22520/2-01 WITH POSITIONER T5747, SEE INSTRUCTION SHEET IS-01 FOR CRIMPING INSTRUCTIONS.
  - CONTACT INSERTION AND EXTRACTION TOOL = Z80-280, SEE INSTRUCTION SHEET IS-25 FOR ASSEMBLY INFORMATION.

ORDER CODE:  
**M83-LFDIF6NXX-0000-000**  
 TOTAL No. OF CONTACTS  
 18, 27, 36, 51, 54, 60, 72, 96

| DIMENSION  | CALCULATION                              |
|--|--|
| DIM 'A'  | ((TOTAL No. OF CONTACTS / 3) x 2) + 13.0 |
| DIM 'B'  | ((TOTAL No. OF CONTACTS / 3) x 2) + 7.00 |
| DIM 'C'  | ((TOTAL No. OF CONTACTS / 3) x 2) - 2.00 |
| DIM 'D'  | ((TOTAL No. OF CONTACTS / 3) x 2) + 2.70 |
| EXAMPLE: CONNECTOR WITH 27 CONTACTS,<br>M83-LFDIF6N27-0000-000<br>DIM 'A' = 31.0, DIM 'B' = 25.00, DIM 'C' = 16.00 |  |

RECOMMENDED PANEL/PCB LAYOUT



|                     |      |          |       |
|---------------------|------|----------|-------|
| MGP                 | 2    | 17.02.21 | 22194 |
| NAME                | ISS. | DATE     | CN/CO |
| APPROVED: MGP       |      |          |       |
| CHECKED: RTP        |      |          |       |
| DRAWN: MARK PLESTED |      |          |       |
| 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:**  
 mm<sup>2</sup>

**TITLE:**  
 JACKSCREW DATAMATE  
 3-ROW CRIMP FEMALE ASSY

**DRAWING NUMBER:**  
**M83-LFDIF6NXX-0000-000**

SHT  
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