

Customer Information Sheet

DRAWING No.: M83-LFDIMINXX-0000-000

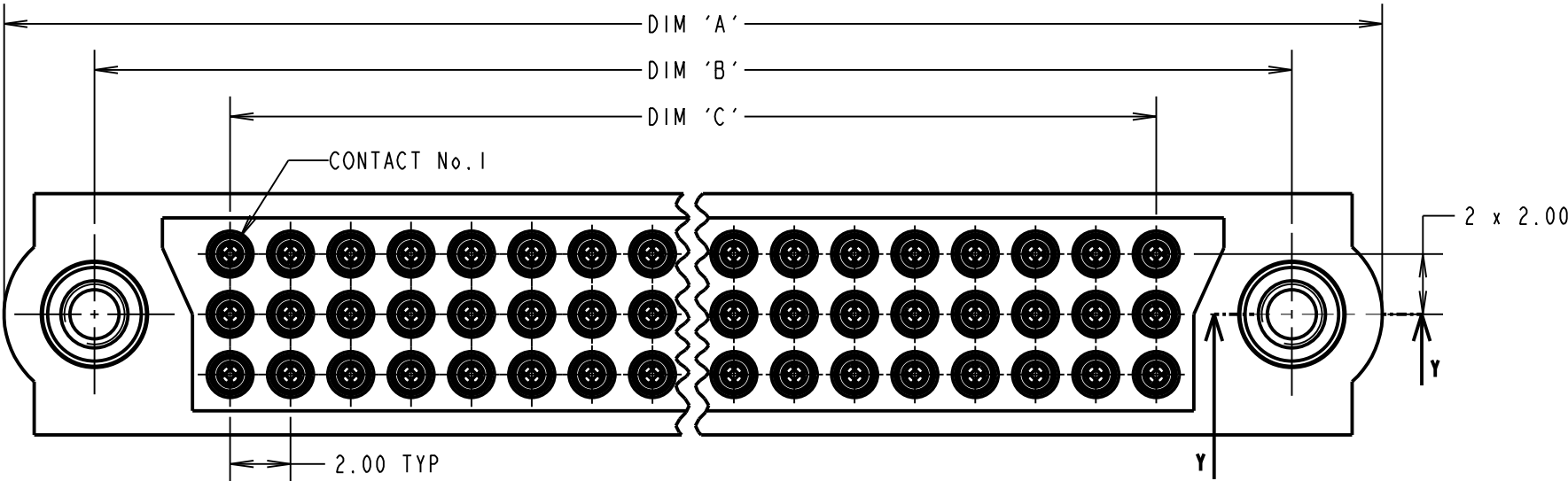
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



SPECIFICATIONS:

MATERIAL:

MOULDING = GLASS-FILLED PPS, UL94V-0, BLACK

JACKSCREW = 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

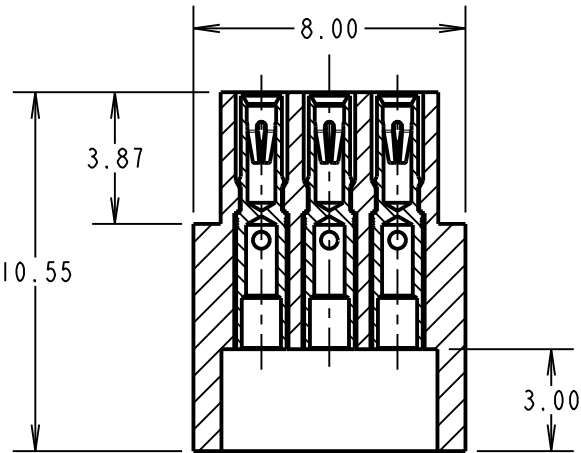
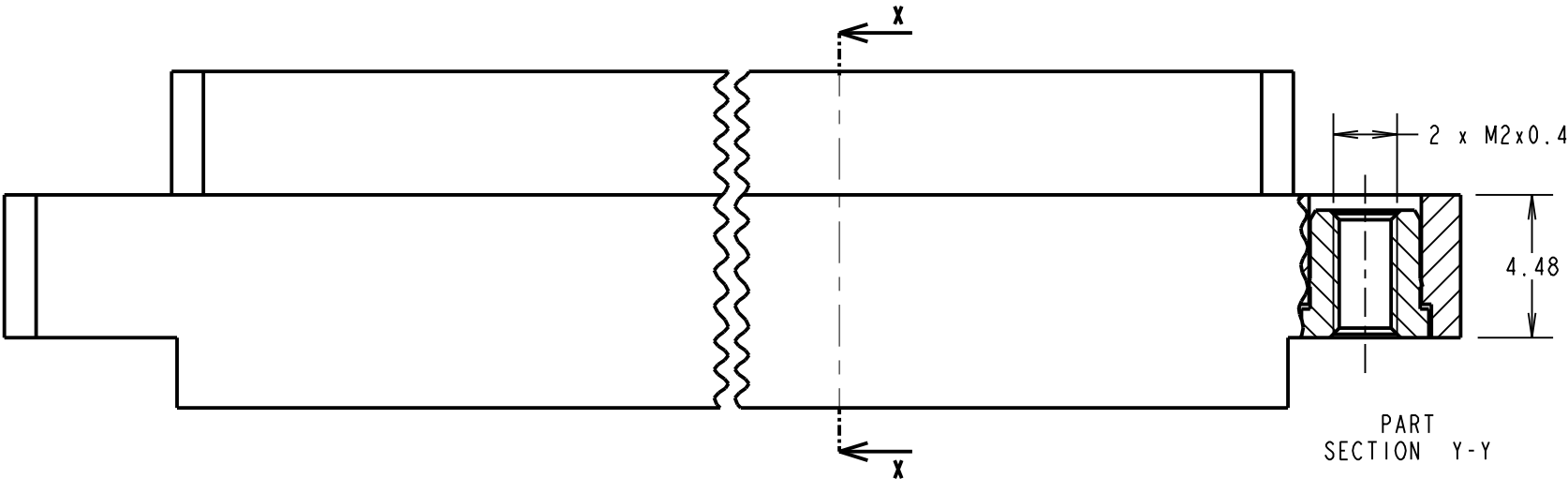
ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

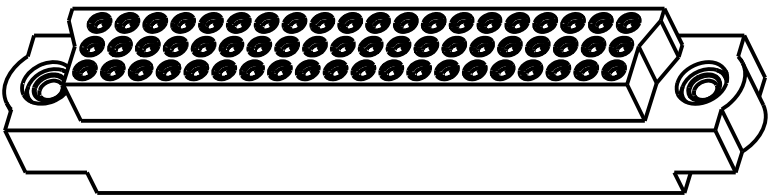
TRAY

FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)



PART
SECTION Y-Y

SECTION X-X



ORDER CODE:

M83-LFDIMINXX-0000-000

TOTAL No. OF CONTACTS
18, 27, 36, 51, 54, 60, 72, 96

- NOTES:
- CONNECTORS ARE SUPPLIED WITH CONTACTS 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.

DIMENSION	CALCULATION
DIM 'A'	((TOTAL No. OF CONTACTS /3) x2) +13.0
DIM 'B'	((TOTAL No. OF CONTACTS /3) x2) +7.00
DIM 'C'	((TOTAL No. OF CONTACTS /3) x2) -2.00
EXAMPLE: CONNECTOR WITH 27 CONTACTS, M83-LFDIMIN27-0000-000 DIM 'A' = 31.0, DIM 'B' = 25.00, DIM 'C' = 16.00	

HARWIN

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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:

JACKSCREW DATAMATE
3-ROW CRIMP FEMALE ASSY

DRAWING NUMBER:

M83-LFDIMINXX-0000-000

SHT 2 OF 2

MGP	2	17.02.21	22194
NAME	ISS.	DATE	CN/CO
APPROVED: MGP			
CHECKED: RTP			
DRAWN: MARK PLESTED			
CUSTOMER REF.:			
ASSEMBLY DRG:			