

Customer Information Sheet

DRAWING No.: M83-LFCIF2NXX-0000-000

SHEET 2 OF 2

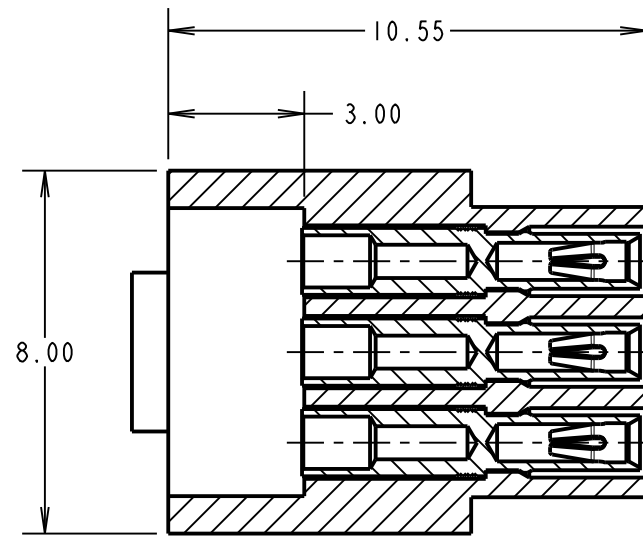
IF IN DOUBT - ASK

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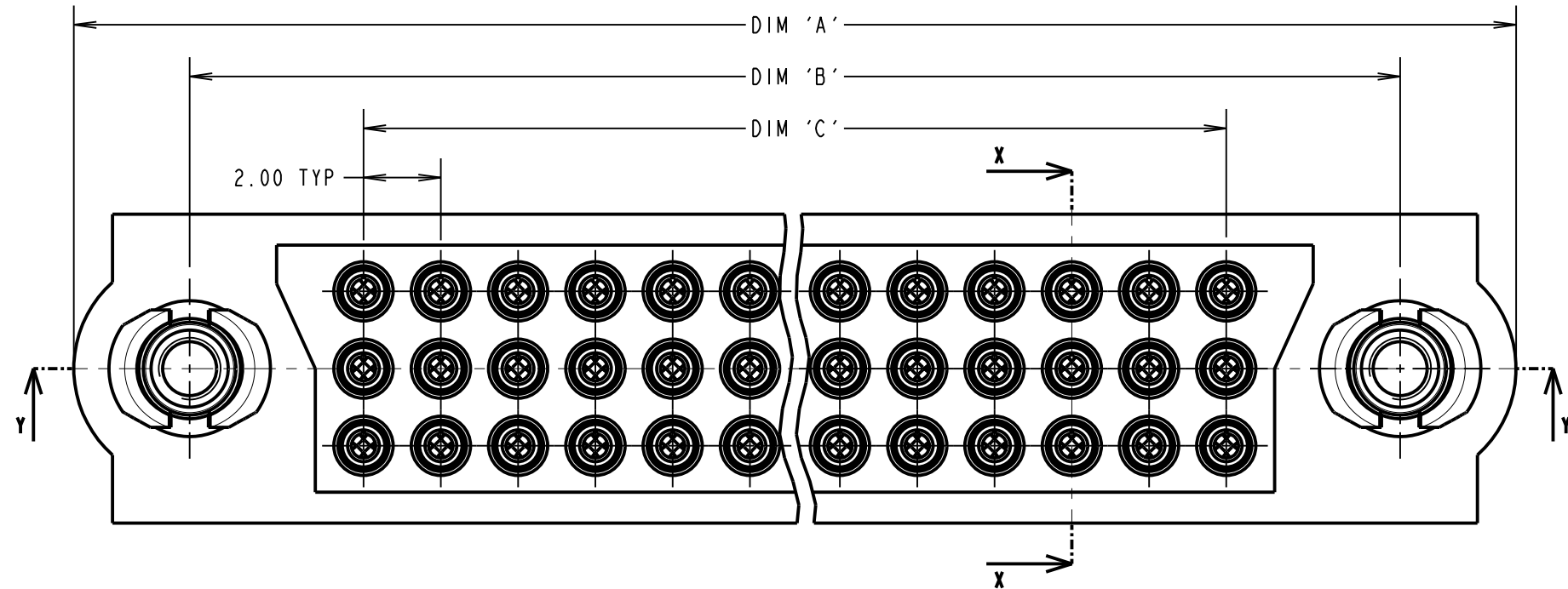
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



SECTION X-X



SPECIFICATIONS:

MATERIAL:
 MOULDING = GLASS-FILLED PPS, UL94V-0, BLACK
 JACKSCREW = STAINLESS STEEL
 JACKSCREW COLLAR = NICKEL PLATED BRASS
 CONTACT CLIP = BERYLLIUM COPPER
 CONTACT SHELL = BRASS

FINISH:
 CONTACT CLIP = 0.3µm GOLD
 CONTACT SHELL = 0.25-0.3µm GOLD

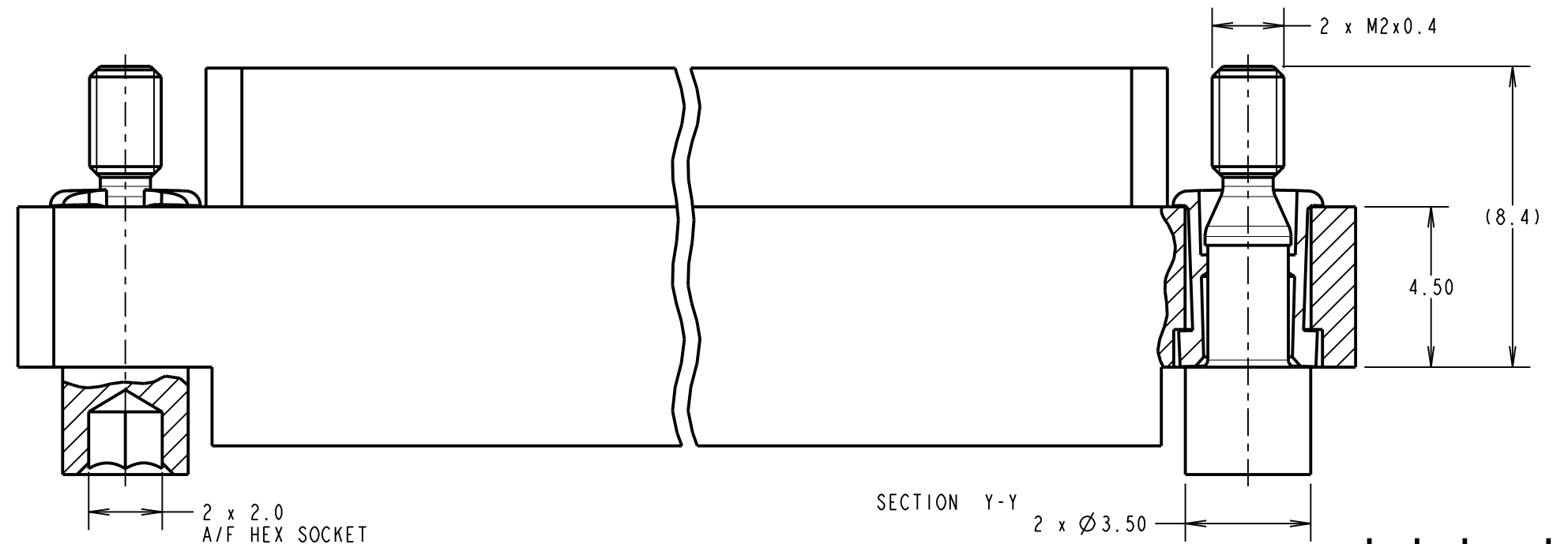
ELECTRICAL:
 CURRENT RATING AT 25°C = 3.0A MAX
 CURRENT RATING AT 85°C = 2.2A MAX
 WORKING VOLTAGE = 800V AC/DC
 VOLTAGE PROOF = 1200V AC/DC
 CONTACT RESISTANCE = 25mΩ MAX
 INSULATION RESISTANCE = 100MΩ MIN

MECHANICAL:
 DURABILITY = 500 OPERATIONS
 INSERTION FORCE = 1.0N MAX
 WITHDRAWAL FORCE = 0.2N MIN

ENVIRONMENTAL:
 TEMPERATURE RANGE = -55°C TO +125°C

PACKING:
 TRAYS

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



SECTION Y-Y

ORDER CODE:

M83-LFCIF2NXX-0000-000

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

NOTES:

- CONNECTORS SUPPLIED WITH CONTACTS LOOSE.
- FOR EXTRA CONTACTS, USE PART NUMBER M83-0130005.
- RECOMMENDED WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 24 - 28AWG. MAX INSULATION DIAMETER = $\varnothing 1.10$ mm. STRIP WIRE BY 2.00mm.
- RECOMMENDED HAND CRIMP TOOL = M22520/2-01 WITH POSITIONER T5747. SEE TOOLING INSTRUCTION SHEET IS-01 FOR COMPLETE CRIMPING INSTRUCTIONS.
- CONTACT INSERTION AND EXTRACTION TOOL = Z80-280. SEE INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.

MGP	4	17.02.21	22194
NAME	ISS.	DATE	CN/CO
APPROVED: MGP			
CHECKED: MR			
DRAWN: S. MCCULLAGH			
CUSTOMER REF.:			
ASSEMBLY DRG:			

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
EXAMPLE: CONNECTOR WITH 27 CONTACTS, M83-LFCIF2N27-0000-000 DIM 'A' = 31.0, DIM 'B' = 25.00, DIM 'C' = 16.00	

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TOLERANCES
 X. = ± 1 mm
 X.X = ± 0.50 mm
 X.XX = ± 0.20 mm
 X.XXX = ± 0.01 mm
 ANGLES = $\pm 5^\circ$
 UNLESS STATED

MATERIAL:
 SEE ABOVE
FINISH: SEE ABOVE
S/AREA: mm²

TITLE: 3-ROW DATAMATE FEMALE CRIMP ASSEMBLY (SMALL BORE)

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