

Customer Information Sheet

DRAWING No.: M83-LFDIFINXX-0000-000

SHEET 2 OF 2

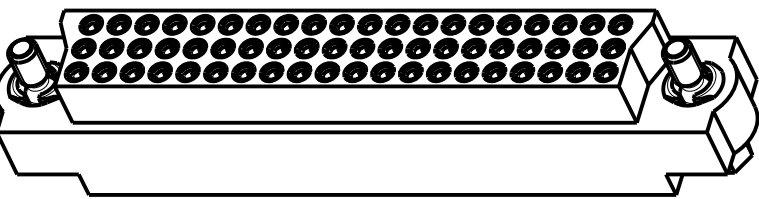
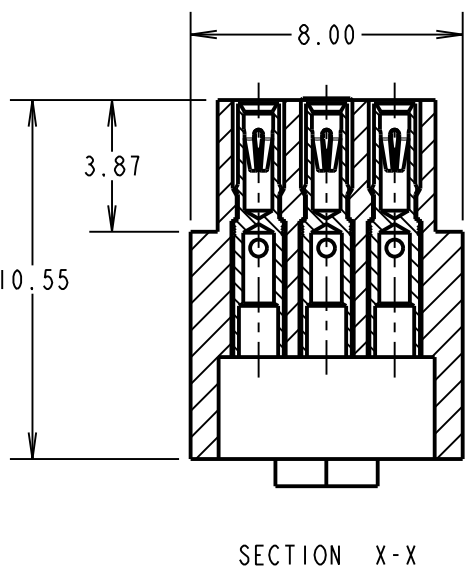
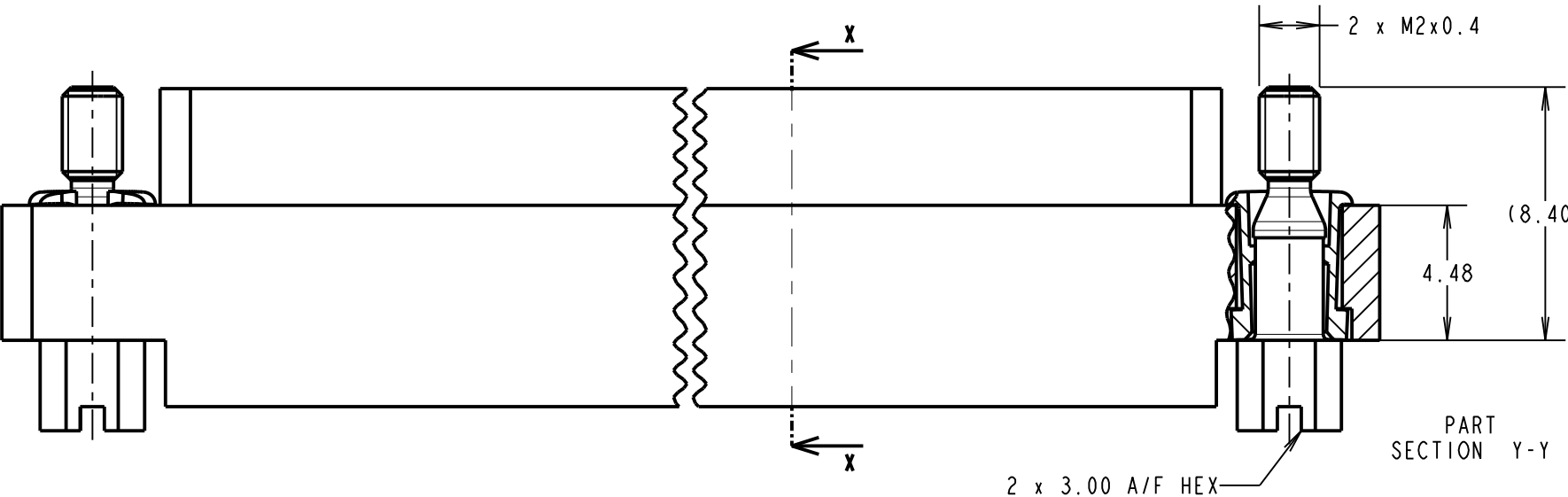
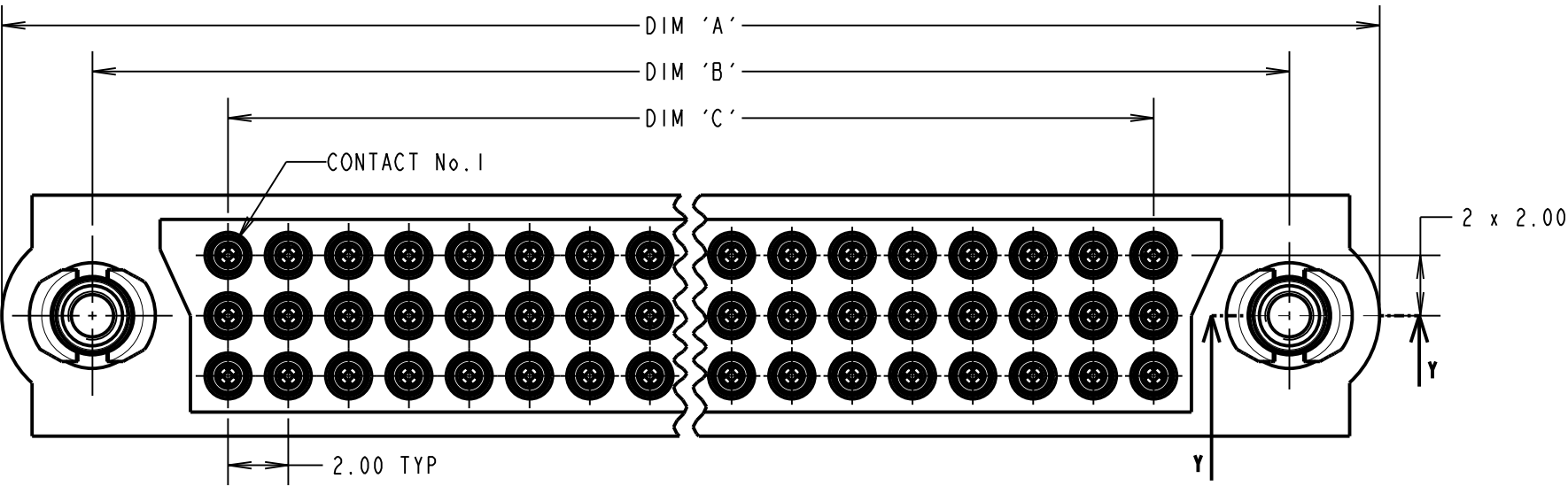
IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



ORDER CODE:
M83-LFDIFINXX-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 = $\varnothing 1.10\text{mm}$, 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) x 2) + 13
DIM 'B'	((TOTAL No. OF CONTACTS / 3) x 2) + 7
DIM 'C'	((TOTAL No. OF CONTACTS / 3) x 2) - 2
EXAMPLE: CONNECTOR WITH 27 CONTACTS, M83-LFDIFIN27-0000-000 DIM 'A' = 31.00, DIM 'B' = 25.00, DIM 'C' = 16.00	

SPECIFICATIONS:

MATERIAL:

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

JACKSCREW = STAINLESS STEEL

CONTACT CLIP = BERYLLIUM COPPER

CONTACT SHELL = BRASS

FINISH:

CONTACT CLIP = 0.3 μ GOLD

CONTACT SHELL = 0.25-0.3 μ GOLD

ELECTRICAL:

CURRENT RATING AT 25°C = 3.0A MAX

CURRENT RATING AT 85°C = 2.2A MAX

WORKING VOLTAGE = 120V AC/DC

VOLTAGE PROOF = 360V AC/DC

CONTACT RESISTANCE = 25 m Ω MAX

INSULATION RESISTANCE = 100 M Ω 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)

SB	2	01.02.12	11638
NAME	ISS.	DATE	C/NOTE
APPROVED:		S.BENNETT	
CHECKED:		S.FLOWER	
DRAWN:		S. MCCULLAGH	
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN
www.harwin.com
technical@harwin.com

THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER SET OUT HEREON ARE CONFIDENTIAL AND COPYRIGHT PROPERTY OF THE HARWIN GROUP AND MUST NOT BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING, TENDERING OR FOR ANY OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION.

TOLERANCES
X. = $\pm 1\text{mm}$
X.X = $\pm 0.25\text{mm}$
X.XX = $\pm 0.10\text{mm}$
X.XXX = $\pm 0.01\text{mm}$
ANGLES = $\pm 5^\circ$
UNLESS STATED

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

TITLE:
JACKSCREW DATAMATE
3-ROW CRIMP FEMALE ASSY
DRAWING NUMBER:
M83-LFDIFINXX-0000-000
SHT 2 OF 2