

Customer Information Sheet

DRAWING No.: M83-LFC1FBN19-0101-325

SHEET 2 OF 2

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
SIGNAL CONTACT:
CLIP = BERYLLIUM COPPER
SHELL = COPPER ALLOY
JACKSCREW COLLAR = NICKEL COATED BRASS
POWER CONTACT:
BODY = COPPER ALLOY
LATCHING COLLAR = BERYLLIUM COPPER

FINISH:
SIGNAL CONTACT:
CLIP = 0.3µ GOLD
SHELL = 0.25-0.3µ GOLD
POWER CONTACT:
BODY = GOLD
LATCHING COLLAR = NICKEL

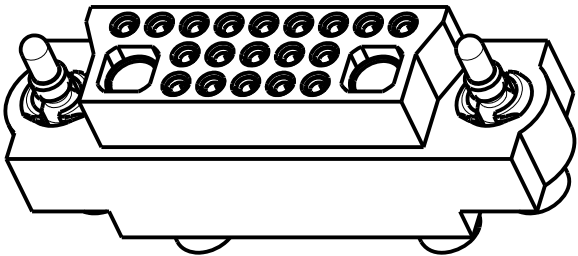
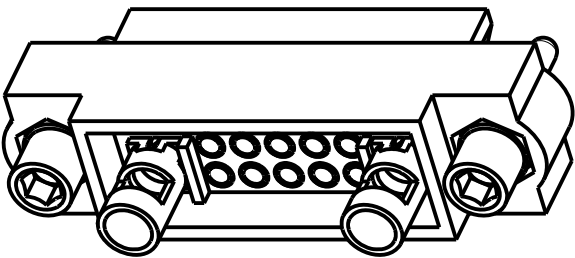
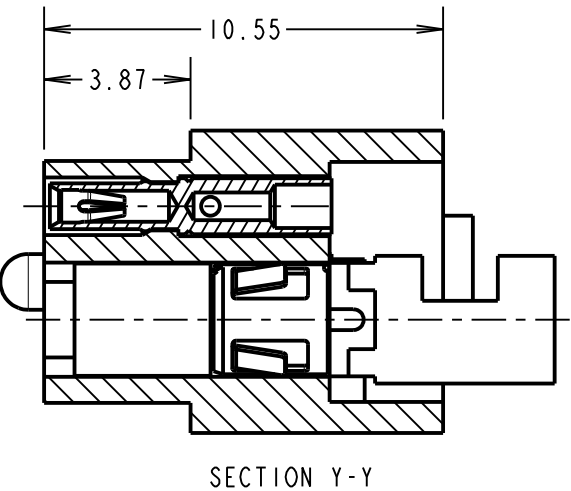
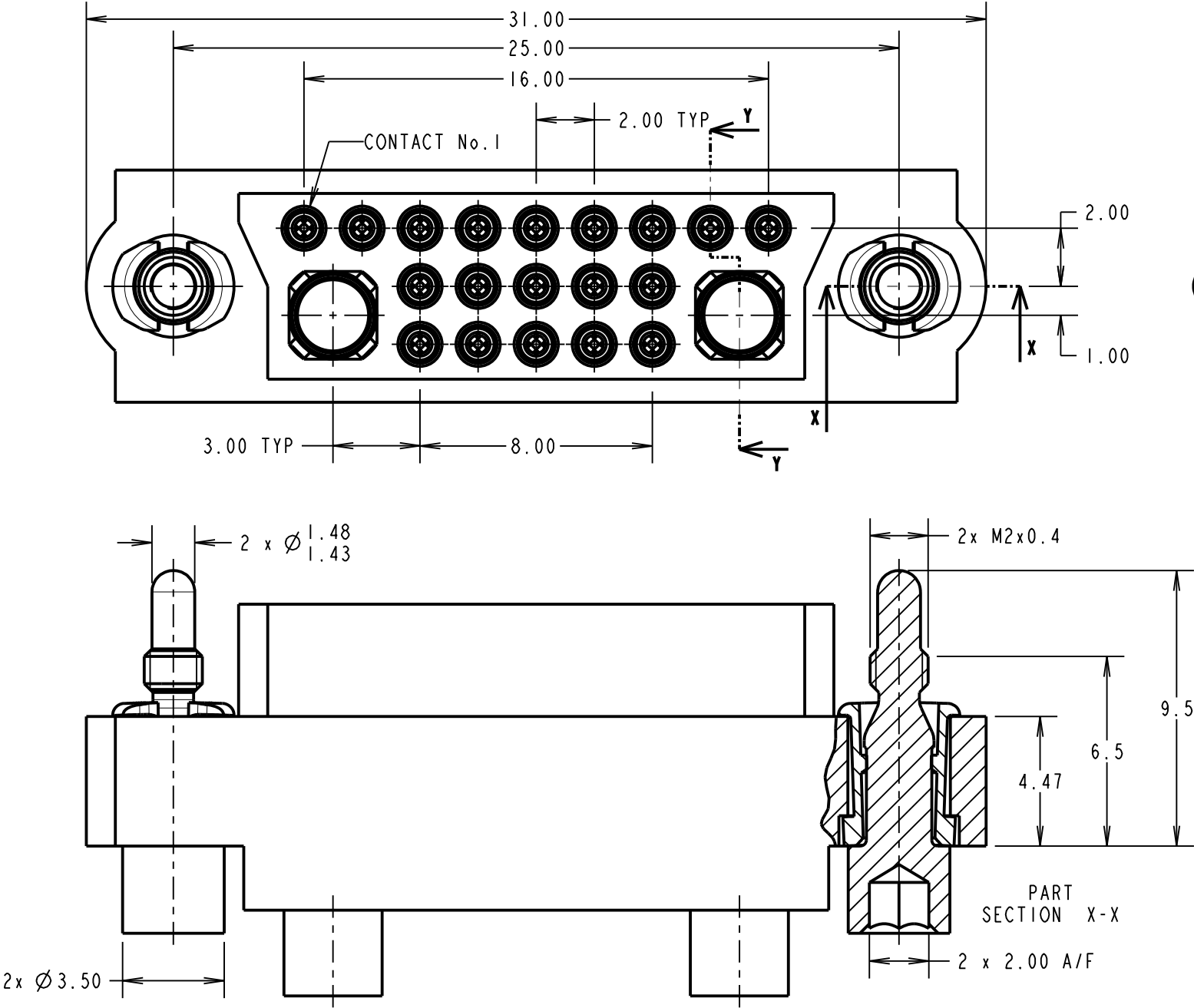
ELECTRICAL:
SIGNAL CONTACT:
CURRENT RATING AT 25°C = 3.0A MAX
CURRENT RATING AT 85°C = 2.2A MAX
CONTACT RESISTANCE = 25mΩ MAX
POWER CONTACT:
CURRENT RATING = 20A MAX
WITH 12 AWG WIRE
CONTACT RESISTANCE = 6mΩ MAX
VOLTAGE PROOF = 360V AC/DC
WORKING VOLTAGE = 120V AC/DC
INSULATION RESISTANCE = 100MΩ MIN

MECHANICAL:
DURABILITY = 500 OPERATIONS
SIGNAL CONTACT:
INSERTION FORCE = 1.0N MAX
WITHDRAWAL FORCE = 0.2N MIN
POWER CONTACT:
INSERTION FORCE = 5N MAX
WITHDRAWAL FORCE = 0.5N MIN

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

PACKING:
BAG

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



- NOTES:
- CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.
 - FOR EXTRA SIGNAL CONTACTS, USE PART NUMBER M80-0130005.
FOR EXTRA POWER CONTACTS, USE PART NUMBER M80-325
 - RECOMMENDED SIGNAL WIRE TYPE = BS 3G 210 TYPE A,
PTFE INSULATED 24-28 AWG, MAX INSULATION DIA = Ø1.10mm,
STRIP WIRE BY 2.00mm.
POWER CONTACT WIRE STRIP BY 5.00mm MINIMUM
 - RECOMMENDED HAND CRIMP TOOL FOR SIGNAL CONTACT =
M22520/2-01 WITH POSITIONER T5747. SEE TOOLING INSTRUCTION
SHEET IS-01 FOR COMPLETE CRIMPING INSTRUCTIONS.
 - CONTACT INSERTION AND EXTRACTION TOOL = Z80-280. SEE
TOOLING INSTRUCTION SHEET IS-25 FOR ASSEMBLY INFORMATION.

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TOLERANCES
X. = ±1mm
X.X = ±0.25mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH:

SEE ABOVE

S/AREA:

mm²

TITLE: JACKSCREW DATAMATE
3-ROW CRIMP/SOLDER FEMALE
ASSY WITH SPECIAL CONTACTS

DRAWING NUMBER:

M83-LFC1FBN19-0101-325

SHT
2 OF 2

SM	I	18.11.11	11513
NAME	ISS.	DATE	C/NOTE
APPROVED: S. MCCULLAGH			
CHECKED: R. ADDE			
DRAWN: MARK G PLESTED			
CUSTOMER REF.:			
ASSEMBLY DRG:			