

Customer Information Sheet

DRAWING No.: M83-LFCIFBN19-0101-325

SHEET 2 OF 2

IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

OBSOLETE

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

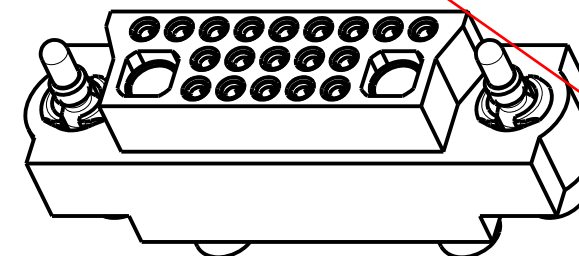
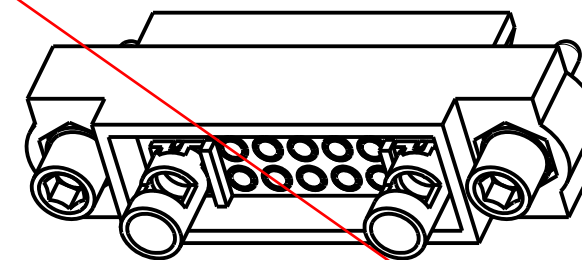
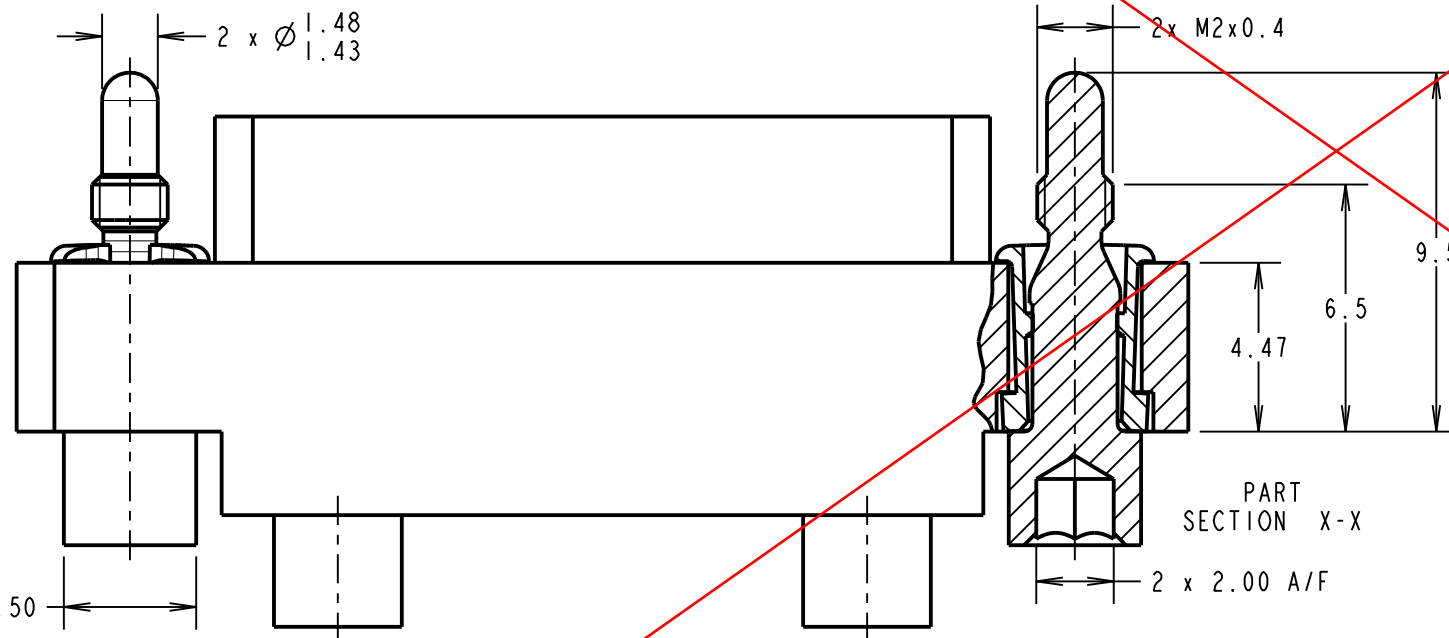
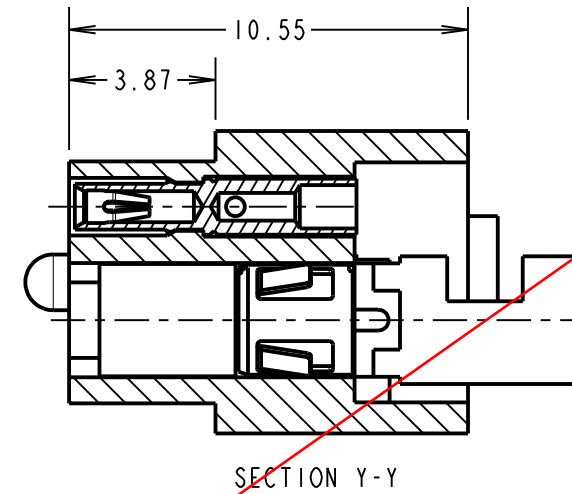
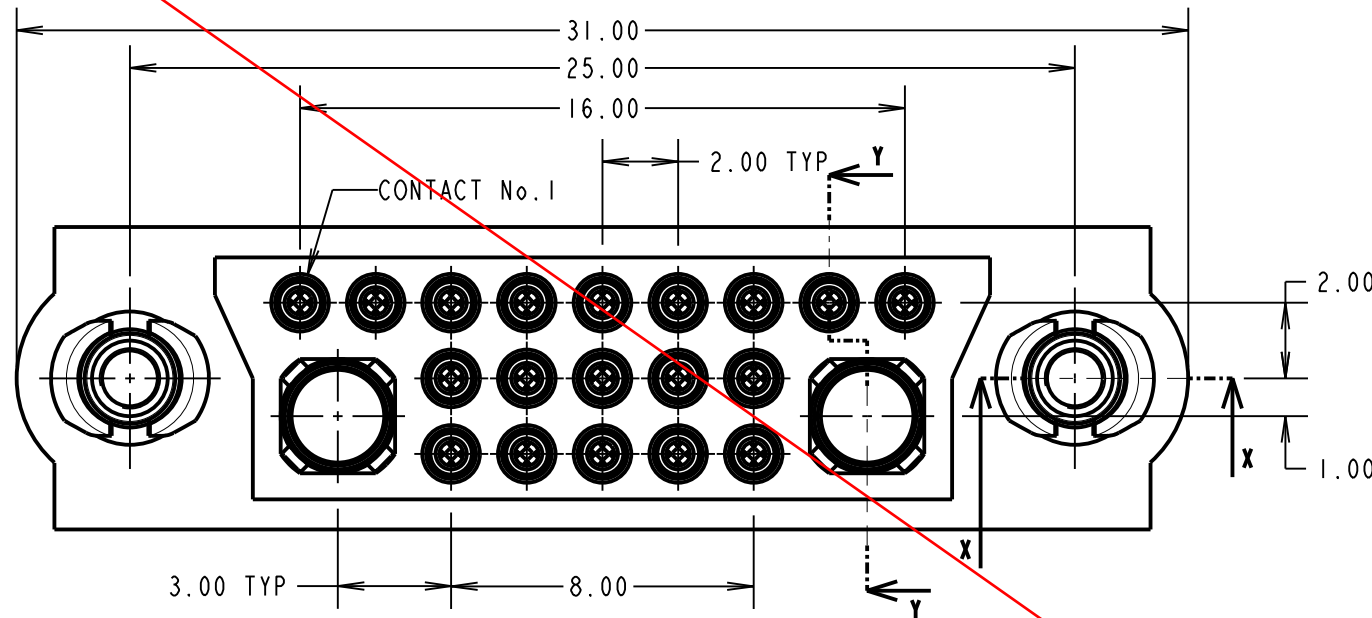
ELECTRICAL:
 SIGNAL CONTACT:
 CURRENT RATING AT 25°C = 3.0A MAX
 CURRENT RATING AT 85°C = 2.2A MAX
 CONTACT RESISTANCE = 25mΩ MAX
 POWER CONTACT:
 CURRENT RATING = 20A MAX
 WITH 12 AWG WIRE
 CONTACT RESISTANCE = 6mΩ MAX
 VOLTAGE PROOF = 360V AC/DC
 WORKING VOLTAGE = 120V AC/DC
 INSULATION RESISTANCE = 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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| SM | 1 | 18.11.11 | 11513 |
| NAME | ISS. | DATE | C/NOTE |
| APPROVED: S. MCCULLAGH | | | |
| CHECKED: R. ADDE | | | |
| DRAWN: MARK G PLESTED | | | |
| CUSTOMER REF.: | | | |
| ASSEMBLY DRG: | | | |

HARWIN

www.harwin.com
 technical@harwin.com

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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:

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2 OF 2