

# Customer Information Sheet

DRAWING No.: M80-4D10242FC-00-000-02-326

IF IN DOUBT - ASK

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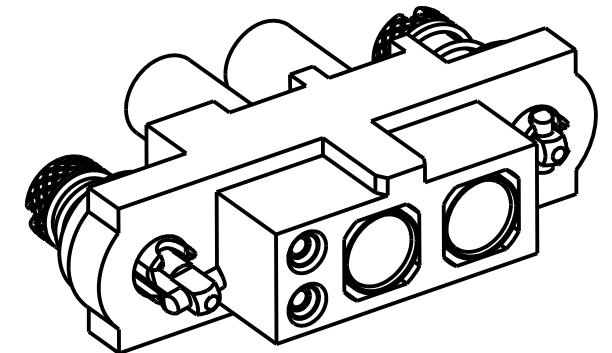
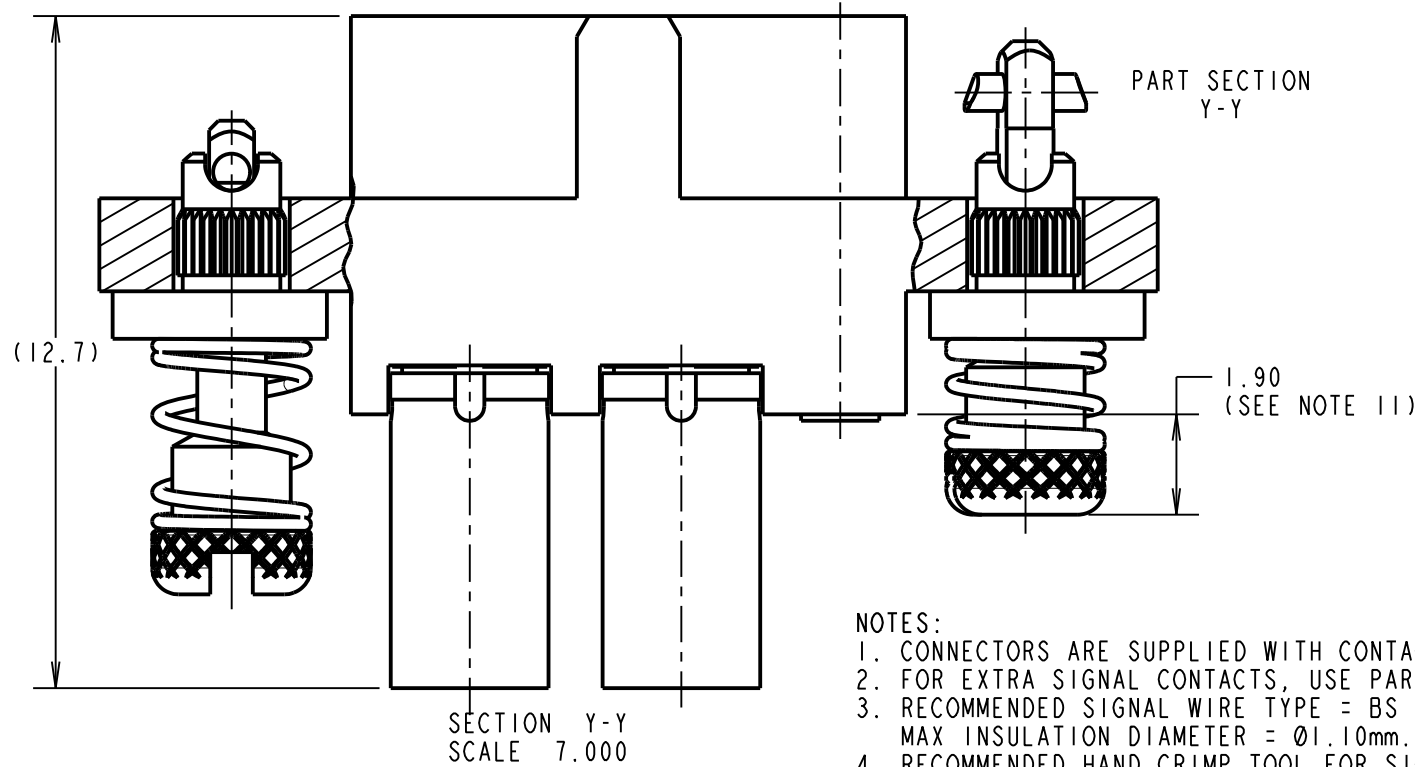
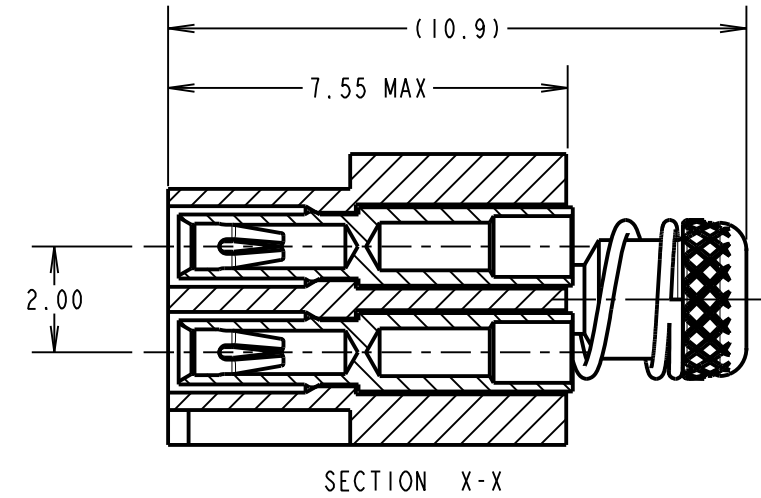
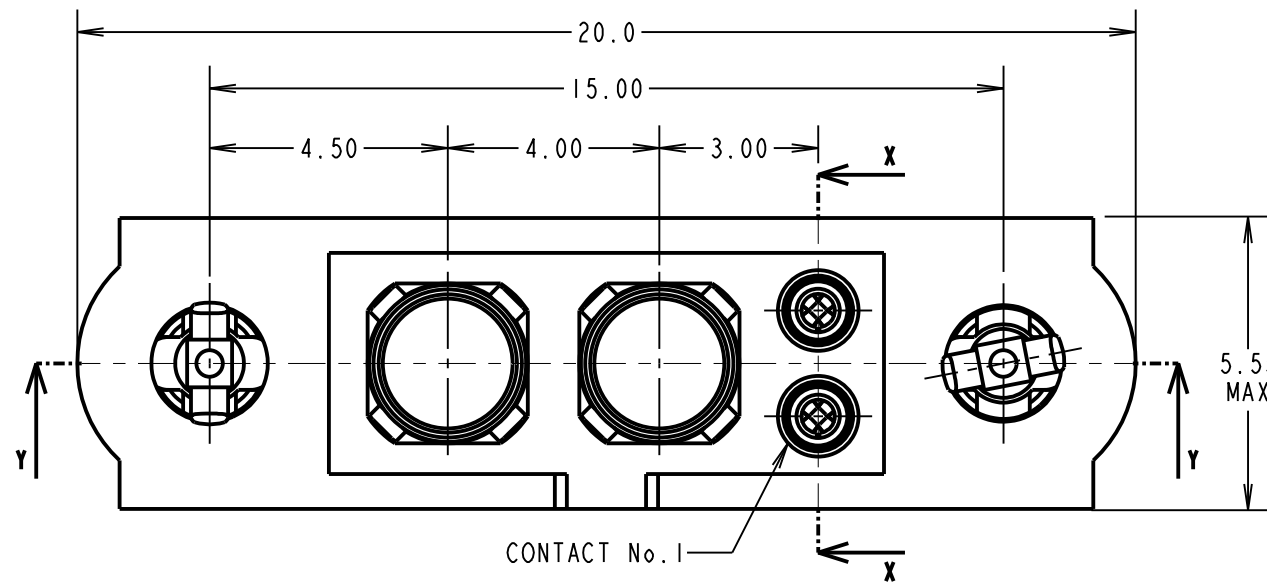
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

## SPECIFICATIONS:

**MATERIAL:**  
 MOULDING: GLASS FILLED PPS, UL94V-0, BLACK  
**SIGNAL CONTACT:**  
 CLIP = BERYLLIUM COPPER  
 SHELL = COPPER ALLOY  
**POWER CONTACT:**  
 BODY = COPPER ALLOY  
 LATCHING COLLAR = BERYLLIUM COPPER  
**FINISH:**  
**SIGNAL CONTACT:**  
 CLIP = 0.3µm GOLD  
 SHELL = 3.5-5.0µm 100% TIN OVER NICKEL  
**POWER CONTACT:**  
 BODY = GOLD  
 LATCHING COLLAR = NICKEL  
**ELECTRICAL:**  
 WORKING VOLTAGE = 800V AC/DC  
 VOLTAGE PROOF = 1200V AC/DC  
 INSULATION RESISTANCE = 100MΩ MIN  
**SIGNAL CONTACT:**  
 CURRENT RATING AT 25°C = 3.3A MAX  
 CURRENT RATING AT 85°C = 2.6A MAX  
 CONTACT RESISTANCE = 25mΩ MAX  
**POWER CONTACT:**  
 CONTACT RESISTANCE = 6mΩ MAX  
 CURRENT RATING = 15A MAX WITH 14AWG  
 CONTACT AS SPECIFIED  
**MECHANICAL:**  
 DURABILITY = 500 OPERATIONS  
**SIGNAL CONTACT:**  
 INSERTION FORCE = 2.0N MAX  
 WITHDRAWAL FORCE = 0.2N MIN  
**POWER CONTACT:**  
 INSERTION FORCE = 8.0N 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 M80-0110001.
- RECOMMENDED SIGNAL WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 22 AWG. MAX INSULATION DIAMETER = Ø1.10mm. STRIP WIRE BY 2.00mm FOR CRIMPING.
- RECOMMENDED HAND CRIMP TOOL FOR SIGNAL CONTACTS = M22520/2-01 WITH POSITIONER T5747. REFER TO TOOLING INSTRUCTION SHEET IS-01 FOR COMPLETE CRIMPING INSTRUCTIONS.
- SIGNAL CONTACT INSERTION AND EXTRACTION TOOL = Z80-280. REFER TO TOOLING INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.
- FOR EXTRA POWER CONTACTS, USE PART NUMBER M80-326.
- POWER CONTACT WIRE, STRIP BY 5.00mm MINIMUM.
- POWER CONTACT EXTRACTION TOOL = Z80-290.
- SPRING LOAD WHEN SOLID = 2.64N  
SPRING RATE = 1.32N/mm
- LENGTH WILL BE 1.9mm WHEN 10ILOK JACKSCREWS ARE ENGAGED WITH RETAINERS IN MATING CONNECTOR.

RTP	2	15.05.19	21531
NAME	ISS.	DATE	C/NOTE
APPROVED: R.PORTLOCK			
CHECKED: S.BENNETT			
DRAWN: S. MCCULLAGH			
CUSTOMER REF.:			
ASSEMBLY DRG:			

# 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:

mm<sup>2</sup>

TITLE: JACKSCREW DATAMATE  
 MIXED TECHNOLOGY  
 CRIMP FEMALE ASSEMBLY

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