

Customer Information Sheet

DRAWING No.: M80-4C10605F1-00-000-02-325

IF IN DOUBT - ASK

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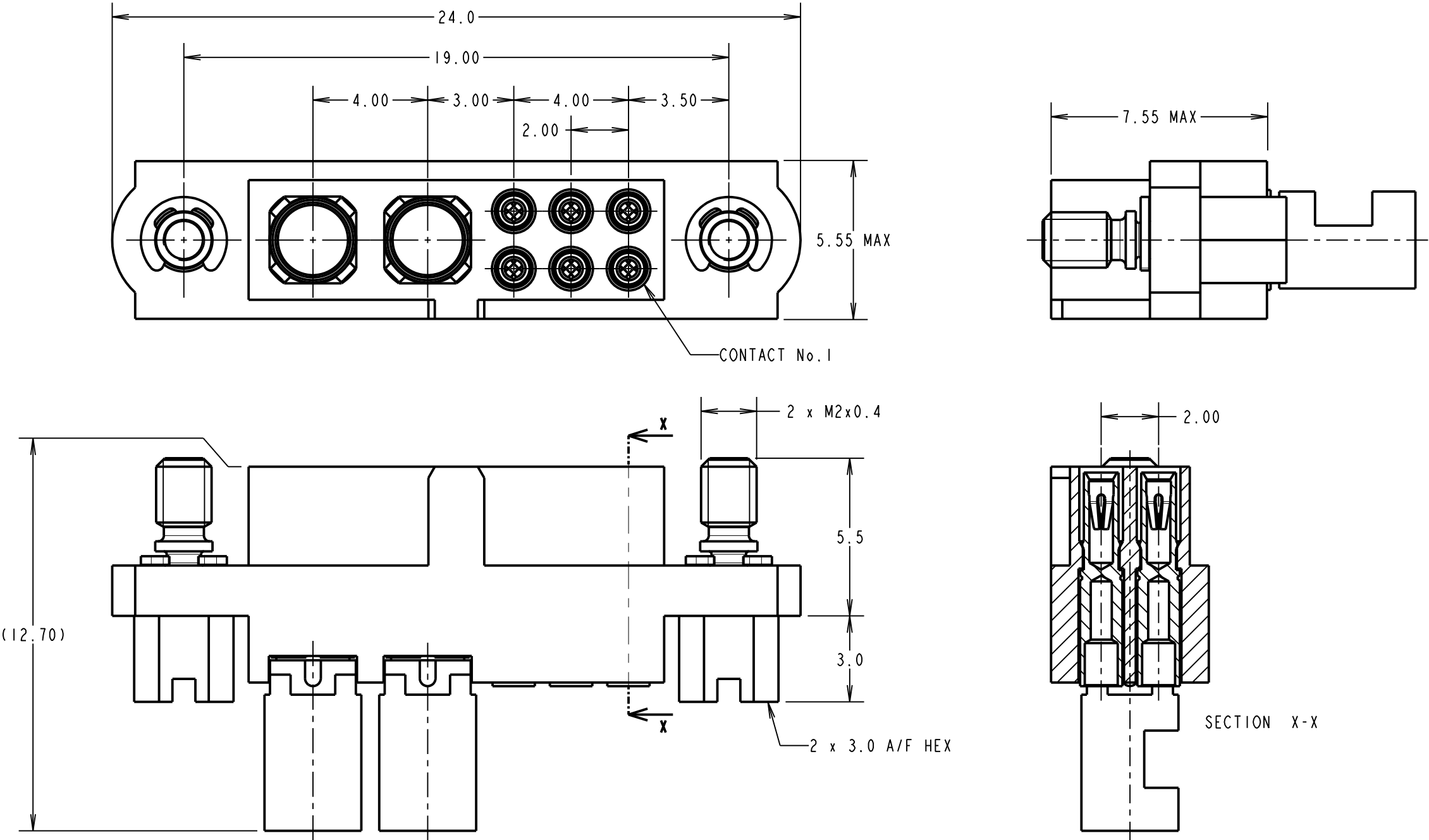
NOT TO SCALE

THIRD ANGLE PROJECTION

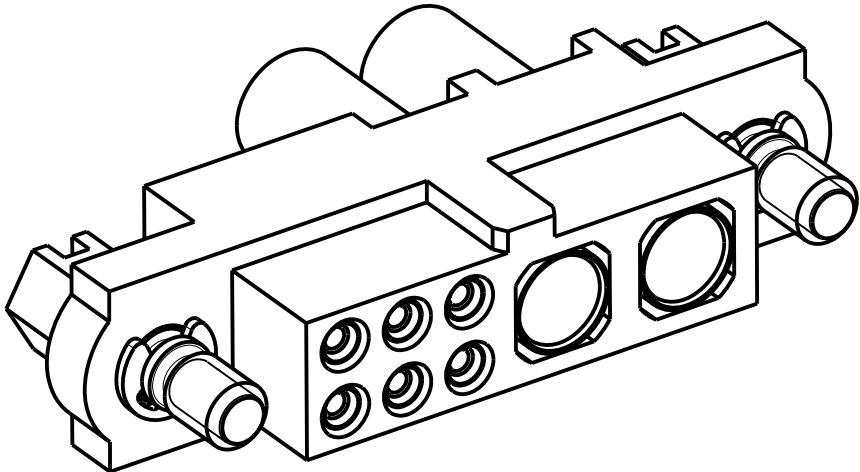
ALL DIMENSIONS IN mm

SPECIFICATIONS:

MATERIAL:  
MOULDING: GLASS FILLED PPS, UL94V-0, BLACK  
SIGNAL CONTACT:  
CLIP = BERYLLIUM COPPER  
SHELL = BRASS  
POWER CONTACT:  
BODY = COPPER ALLOY  
LATCHING COLLAR = BERYLLIUM COPPER  
JACKSCREW, CIRCLIP: STAINLESS STEEL  
FINISH:  
SIGNAL CONTACT:  
CLIP = 0.3µm GOLD  
SHELL = 0.25-0.3µm GOLD  
POWER CONTACT:  
BODY = GOLD  
LATCHING COLLAR = NICKEL  
ELECTRICAL:  
WORKING VOLTAGE = 1200V AC/DC  
VOLTAGE PROOF = 800V AC/DC  
INSULATION RESISTANCE = 100MΩ MIN  
SIGNAL CONTACT:  
CURRENT RATING AT 25°C = 3.0A MAX  
CURRENT RATING AT 85°C = 2.2A MAX  
CONTACT RESISTANCE = 25mΩ MAX  
POWER CONTACT:  
CONTACT RESISTANCE = 6mΩ MAX  
CURRENT RATING = 20A MAX WITH 12AWG  
CONTACT AS SPECIFIED  
MECHANICAL:  
DURABILITY = 500 OPERATIONS  
SIGNAL CONTACT:  
INSERTION FORCE = 2.0N MAX  
WITHDRAWAL FORCE = 0.2N MIN  
POWER CONTACT:  
INSERTION FORCE = 8N 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)



COMPLETE ASSEMBLY  
FOR ILLUSTRATION ONLY



- NOTES:
- CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.
  - FOR EXTRA SIGNAL CONTACTS, USE PART NUMBER M80-0130005.
  - RECOMMENDED SIGNAL WIRE TYPE = 24-28 AWG SEE COMPONENT SPECIFICATION C049XX (LATEST ISSUE) FOR DETAILS.  
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.
  - SIGNAL CONTACT INSERTION AND EXTRACTION TOOL = Z80-280.
  - FOR EXTRA POWER CONTACTS, USE PART NUMBER M80-325.
  - POWER CONTACT WIRE, STRIP BY 5.00mm MINIMUM
  - POWER CONTACT EXTRACTION TOOL = Z80-290
  - INSTRUCTION SHEETS ARE AVAILABLE.

RA	I	19.10.21	----
NAME	ISS.	DATE	CN/CO
APPROVED: R.ALEXANDER			
CHECKED: M.PLESTED			
DRAWN: R.ALEXANDER			
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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2 OF 2