

Customer Information Sheet

DRAWING No.: M80-4C11005F1-08-305-00-000

IF IN DOUBT - ASK

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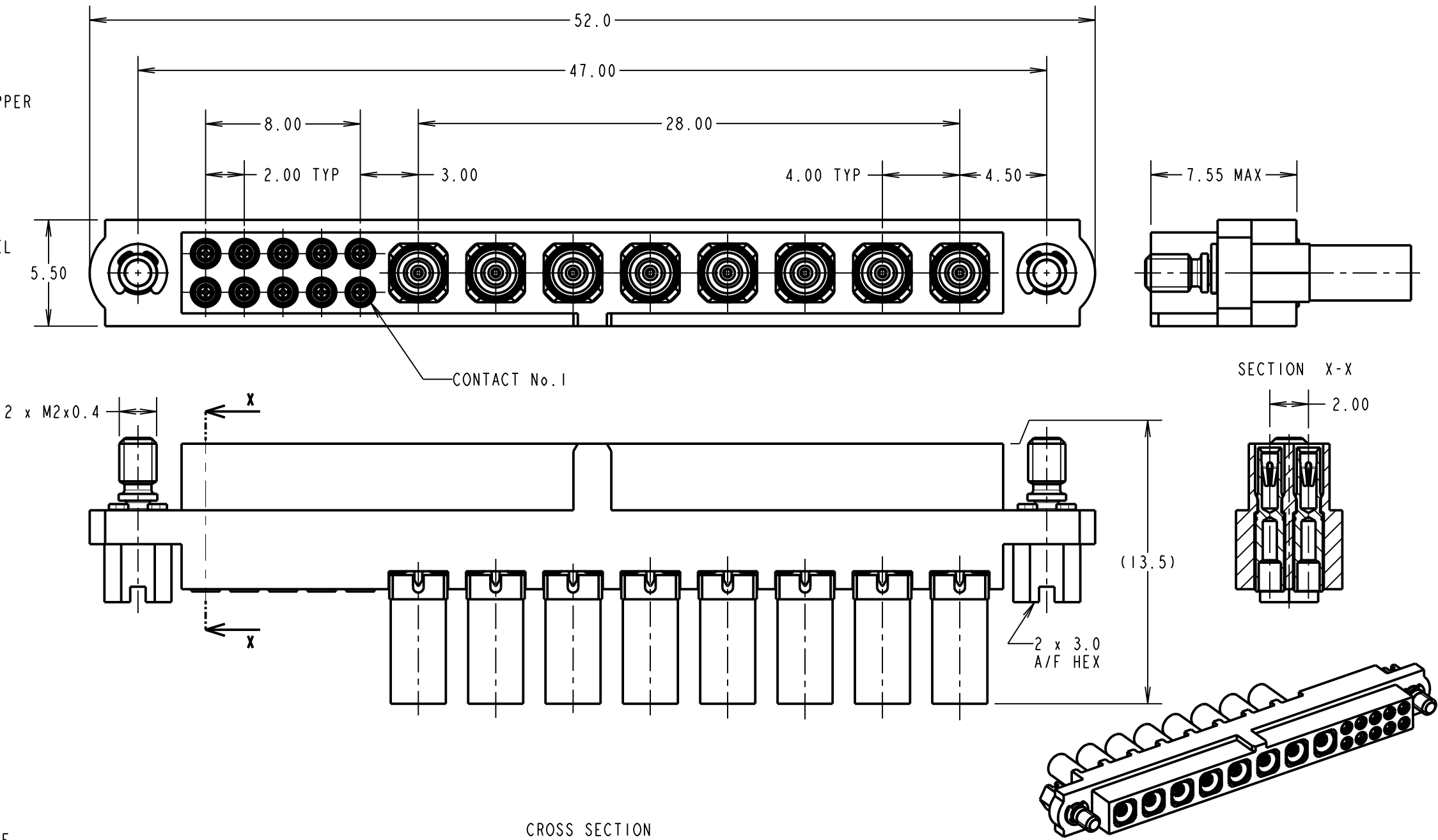
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

SPECIFICATIONS:

MATERIAL:  
MOULDING: GLASS FILLED PPS, UL94V-0, BLACK  
SIGNAL CONTACT:  
CLIP = BERYLIUM COPPER  
SHELL = COPPER ALLOY  
COAX CONTACT:  
BODY, SLEEVE = COPPER ALLOY  
INNER CONTACT, LATCHING COLLAR = BERYLIUM COPPER  
INSULATOR = PTFE  
JACKSCREW, CIRCLIP: STAINLESS STEEL  
FINISH:  
SIGNAL CONTACT:  
CLIP = 0.3µm GOLD OVER NICKEL  
SHELL = 0.25-0.3µm GOLD OVER NICKEL  
COAX CONTACT:  
BODY, SLEEVE, INNER CONTACT = GOLD OVER NICKEL  
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 = 3.0A MAX  
CURRENT RATING AT 85°C = 2.2A MAX  
CONTACT RESISTANCE = 25mΩ MAX  
COAX CONTACT:  
FREQUENCY RANGE = 6GHz  
IMPEDANCE = 50Ω  
V.S.W.R = 1.05 + (0.04 x FREQUENCY) GHz MAX  
CONTACT RESISTANCE = 6mΩ MAX  
INSULATION RESISTANCE = 10<sup>6</sup>MΩ @250V AC  
OPERATING VOLTAGE = 180V AC @ 500mA  
MAXIMUM VOLTAGE = 1000V AC  
MECHANICAL:  
DURABILITY = 500 OPERATIONS  
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.
  - RECOMMENDED SIGNAL WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 24-28 AWG. SEE CABLE SPECIFICATIONS C049XX FOR ALTERNATIVES. 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.
  - COAX CONTACT IS SUPPLIED AS A KIT OF PARTS: BODY, INSULATOR AND LATCHING COLLAR ARE PRE-ASSEMBLED AND SLEEVE AND INNER CONTACT ARE SEPARATE.
  - FOR EXTRA COAX CONTACTS, USE PART NUMBER M80-305.
  - RECOMMENDED HAND CRIMP TOOL FOR COAX INNER CONTACT = Z80-292 WITH POSITIONER Z80-291 AND RECOMMENDED HAND CRIMP TOOL AND DIE SET FOR COAX SLEEVE = Z80-293.
  - COAX CONTACT EXTRACTION TOOL = Z80-290.
  - INSTRUCTION SHEETS ARE AVAILABLE.

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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
DRAWING NUMBER:	M80-4C11005F1-08-305-00-000
SHT	2 OF 2

MGP	I	05.07.21	----
NAME	ISS.	DATE	CN/CO
APPROVED:	MGP		
CHECKED:	MR		
DRAWN:	M.G.PLESTED		
CUSTOMER REF.:			
ASSEMBLY DRG:			