

# Customer Information Sheet

DRAWING No.: M80-4C10405F1-04-329-00-000

SHEET 2 OF 2

IF IN DOUBT - ASK

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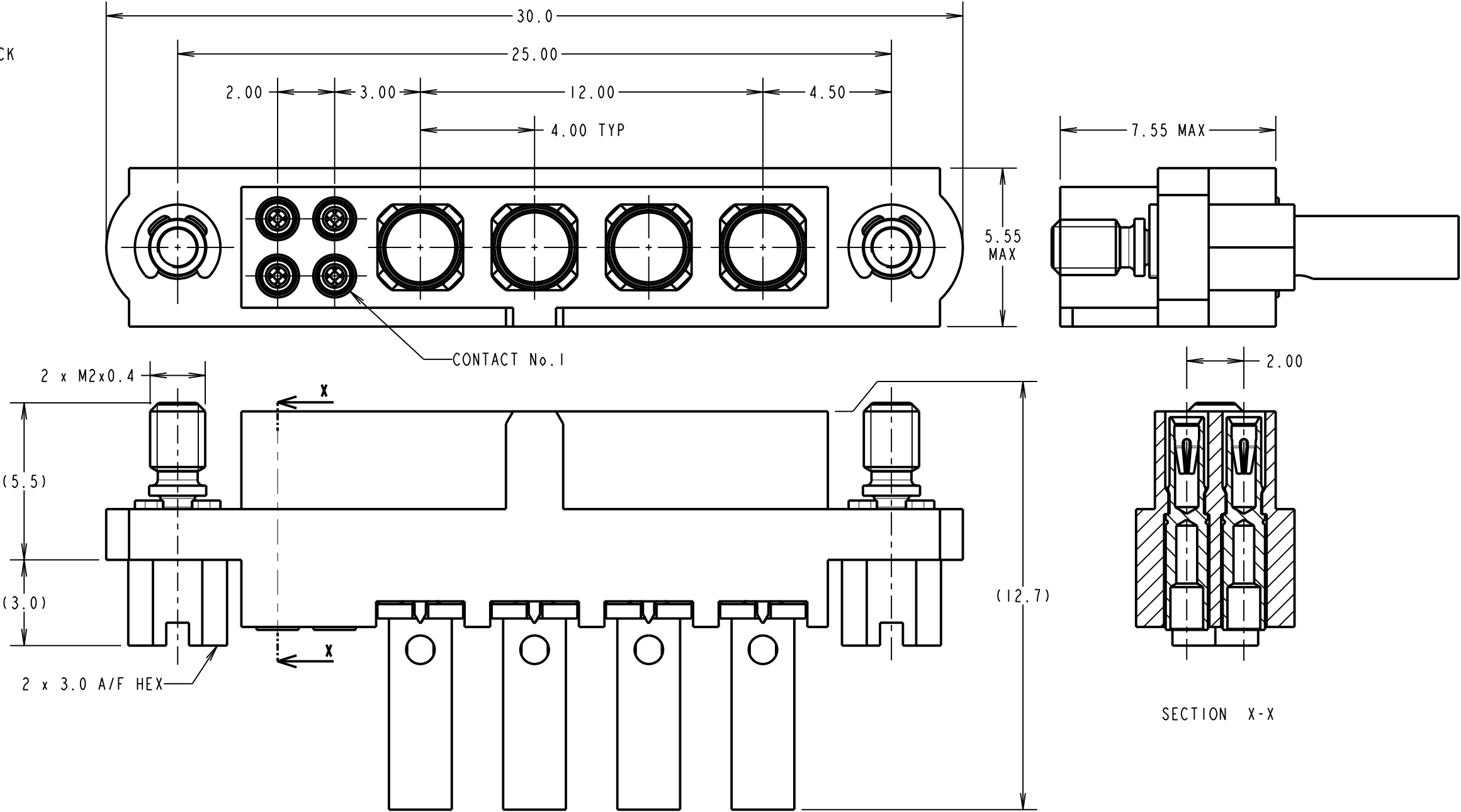
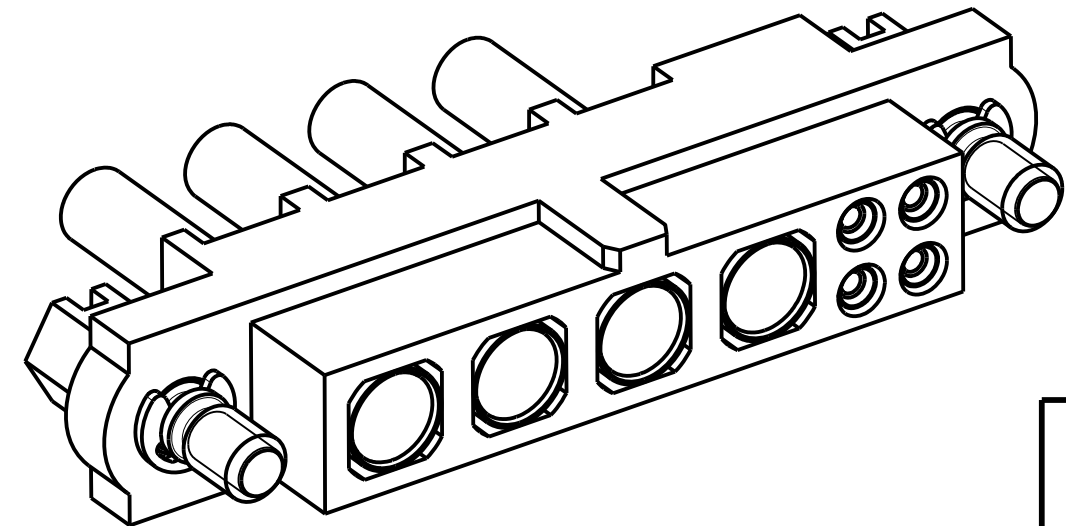
NOT TO SCALE

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 = 0.3µ GOLD  
SHELL = 0.25-0.3µ GOLD  
**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 = 3.0A MAX  
CURRENT RATING AT 85°C = 2.2A MAX  
CONTACT RESISTANCE = 25 mΩ MAX  
**POWER CONTACT:**  
CONTACT RESISTANCE = 6mΩ MAX  
CURRENT RATING = 5A MAX WITH 20AWG  
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)



- 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. 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 M80-329.
  - RECOMMENDED HAND CRIMP TOOL FOR POWER CONTACTS = Z80-294 WITH POSITIONER = Z80-295
  - POWER CONTACT WIRE, STRIP BY 5.00mm MINIMUM.
  - POWER CONTACT EXTRACTION TOOL = Z80-290.
  - INSTRUCTION SHEETS ARE AVAILABLE.

MSP	I	05.06.17	-----
NAME	ISS.	DATE	C/NOTE
APPROVED: M.PERREN			
CHECKED: M.PLESTED			
DRAWN: M.PERREN			
CUSTOMER REF.:			
ASSEMBLY DRG:			

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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:**

mm<sup>2</sup>

**TITLE:**

DATAMATE MIX-TEK  
FEMALE ASSEMBLY  
WITH JACKSCREW

**DRAWING NUMBER:**

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