

Customer Information Sheet

DRAWING No.: M80-4DI0205FI-00-000-04-327	IF IN DOUBT - ASK	©	NOT TO SCALE	THIRD ANGLE PROJECTION	ALL DIMENSIONS IN mm
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SPECIFICATIONS:

**MATERIAL:**  
HOUSING: GLASS FILLED PPS, UL94V-0, BLACK  
SIGNAL CONTACT:  
CLIP = BERYLIUM COPPER  
SHELL = BRASS  
POWER CONTACT:  
BODY = COPPER ALLOY  
LATCHING COLLAR = BERYLLIUM COPPER  
JACKSCREW, CIRCLIP: STAINLESS STEEL

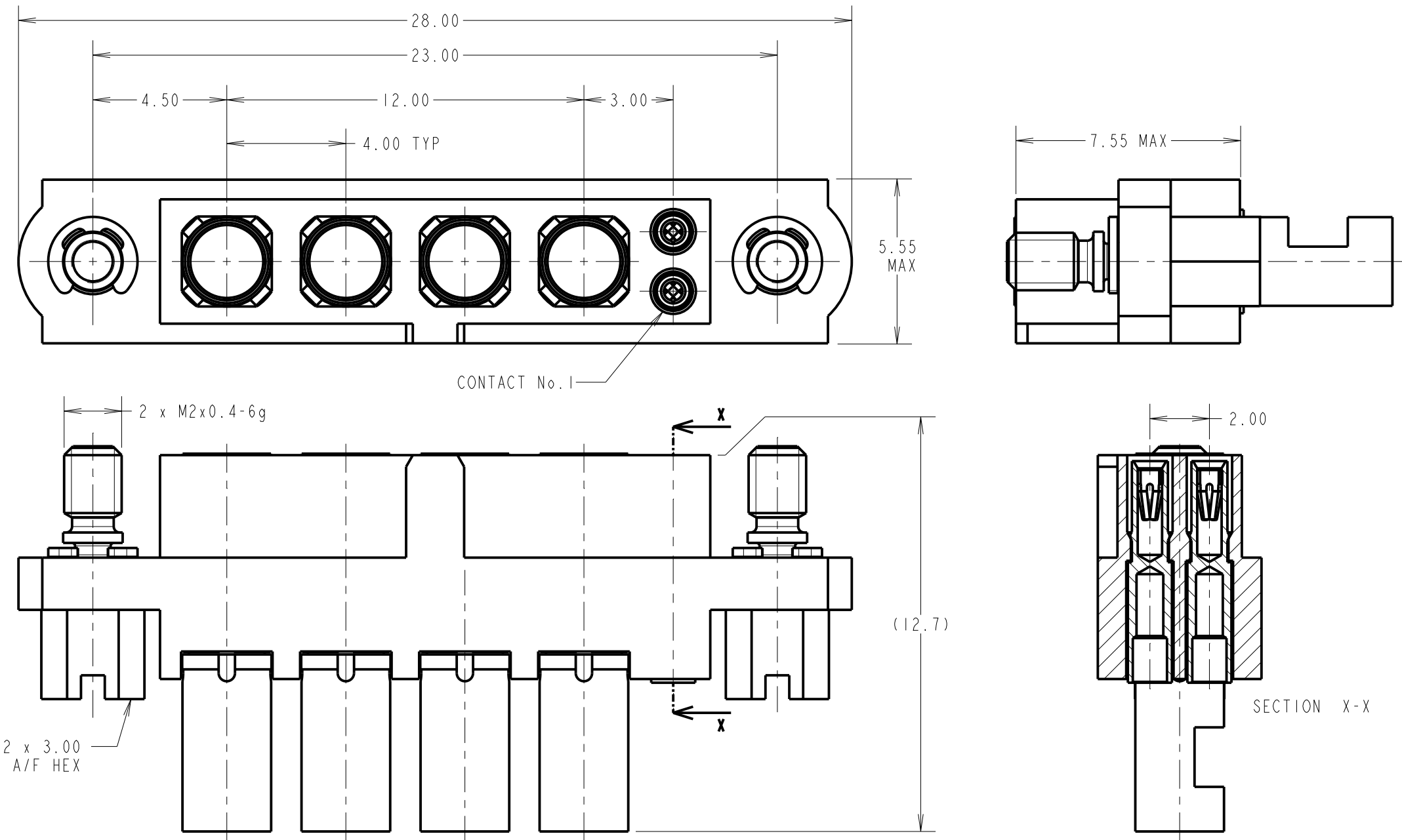
**FINISH:**  
SIGNAL CONTACT:  
CLIP = 0.3µm GOLD  
SHELL = 0.25-0.3µm GOLD  
POWER CONTACT:  
BODY = GOLD  
LATCHING COLLAR = NICKEL

**ELECTRICAL:**  
WORKING VOLTAGE = 120V AC/DC  
VOLTAGE PROOF = 360V 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 = 6 mΩ MAX  
CURRENT RATING = 10A MAX WITH 16AWG  
CONTACT AS SPECIFIED

**MECHANICAL:**  
DURABILITY = 500 OPERATIONS  
SIGNAL CONTACT:  
INSERTION FORCE = 2.8N MAX  
WITHDRAWAL FORCE = 0.2N MIN  
POWER CONTACT:  
INSERTION FORCE = 5N MAX  
WITHDRAWAL FORCE = 0.5N MIN

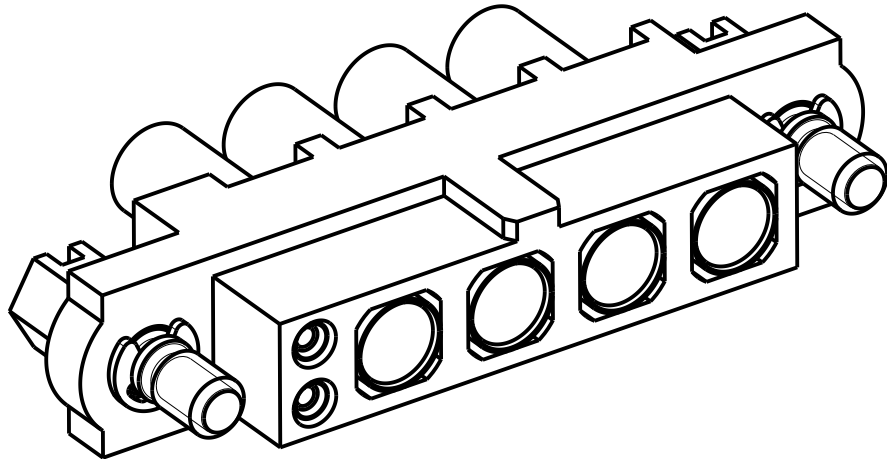
**ENVIRONMENTAL:**  
TEMPERATURE RANGE = -55°C TO +125°C

**PACKING:**  
BAG  
FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)



- NOTES:
- 1. CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.
  - 2. FOR EXTRA SIGNAL CONTACTS, USE PART NUMBER M80-0110005.
  - 3. 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.
  - 4. RECOMMENDED HAND CRIMP TOOL FOR SIGNAL CONTACTS = M22520/2-01 WITH POSITIONER T5747.
  - 5. SIGNAL CONTACT INSERTION AND EXTRACTION TOOL = Z80-280.
  - 6. FOR EXTRA POWER CONTACTS, USE PART NUMBER M80-327
  - 7. POWER CONTACT WIRE, STRIP BY 5.00mm MINIMUM
  - 8. POWER CONTACT EXTRACTION TOOL = Z80-290
  - 9. INSTRUCTION SHEETS ARE AVAILABLE.

RA	I	21.12.10	-----
NAME	ISS.	DATE	CN/CO
APPROVED:		R. ADDE	
CHECKED:		M.G. PLESTED	
DRAWN:		R. ADDE	
CUSTOMER REF. :			
ASSEMBLY DRG:			





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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:	M80-4DI0205FI-00-000-04-327
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