

# Customer Information Sheet

DRAWING No.: M80-4C11442F1-03-307-02-307

SHEET 2 OF 2

IF IN DOUBT - ASK

(C)

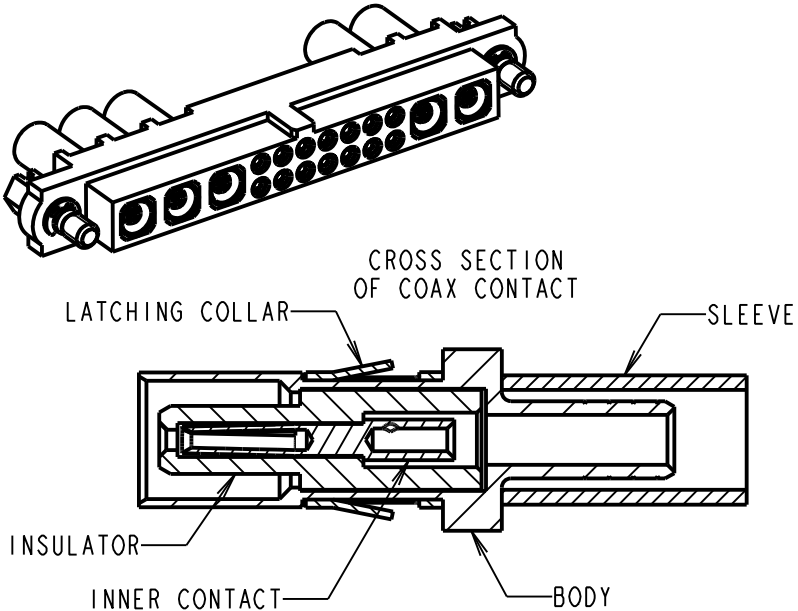
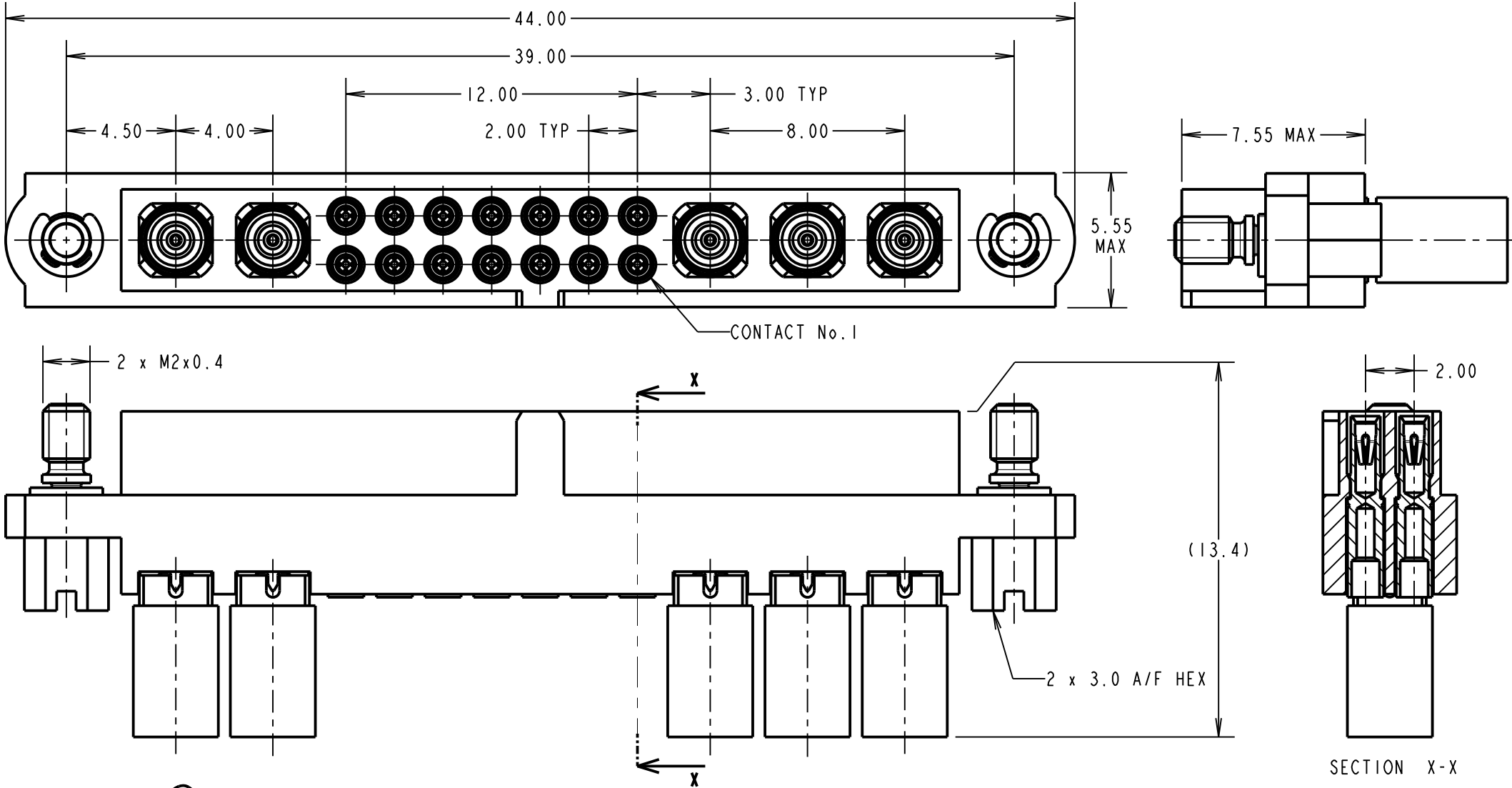
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

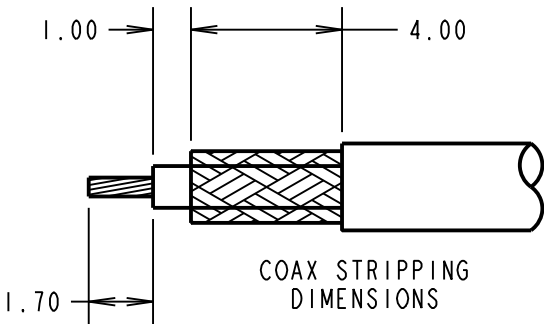
## SPECIFICATIONS:

**MATERIAL:**  
MOULDING: GLASS FILLED PPS, UL94V-0, BLACK  
**SIGNAL CONTACT:**  
CLIP = BERYLLIUM COPPER  
SHELL = BRASS  
**COAX CONTACT:**  
BODY, SLEEVE = COPPER ALLOY  
INNER CONTACT, LATCHING COLLAR = BERYLLIUM COPPER  
INSULATOR = PTFE  
JACKSCREW, CIRCLIP: STAINLESS STEEL  
**FINISH:**  
SIGNAL CONTACT:  
CLIP = 0.3µ GOLD  
SHELL = 3.5-5.0µ 100% TIN OVER NICKEL  
COAX CONTACT:  
BODY, SLEEVE, INNER CONTACT = 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  
COAX CONTACT:  
FREQUENCY RANGE = 6GHz  
IMPEDANCE = 50 Ω  
V.S.W.R = 1.05 + (0.04 x FREQUENCY) GHz MAX  
CONTACT RESISTANCE 6 mΩ MAX  
INSULATION RESISTANCE = 10<sup>6</sup>MΩ @250V AC  
OPERATING VOLTAGE = 180V AC @ 500mA  
MAXIMUM VOLTAGE = 1000V AC  
**MECHANICAL:**  
DURABILITY = 500 OPERATIONS  
SIGNAL CONTACT:  
INSERTION FORCE = 2.8N MAX  
WITHDRAWAL FORCE = 0.2N MIN  
COAX 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:
- CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.
  - FOR EXTRA SIGNAL CONTACTS, USE PART NUMBER M80-0130001.
  - 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.
  - 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 M80-307.
  - 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

MGP	1	15.02.12	----
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: MS			
DRAWN: MARK G PLESTED			
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:** JACKSCREW DATAMATE MIXED TECHNOLOGY CRIMP FEMALE ASSEMBLY  
**DRAWING NUMBER:** M80-4C11442F1-03-307-02-307  
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