

# Customer Information Sheet

DRAWING No.: M80-FC1305FI-XX-XXXXL

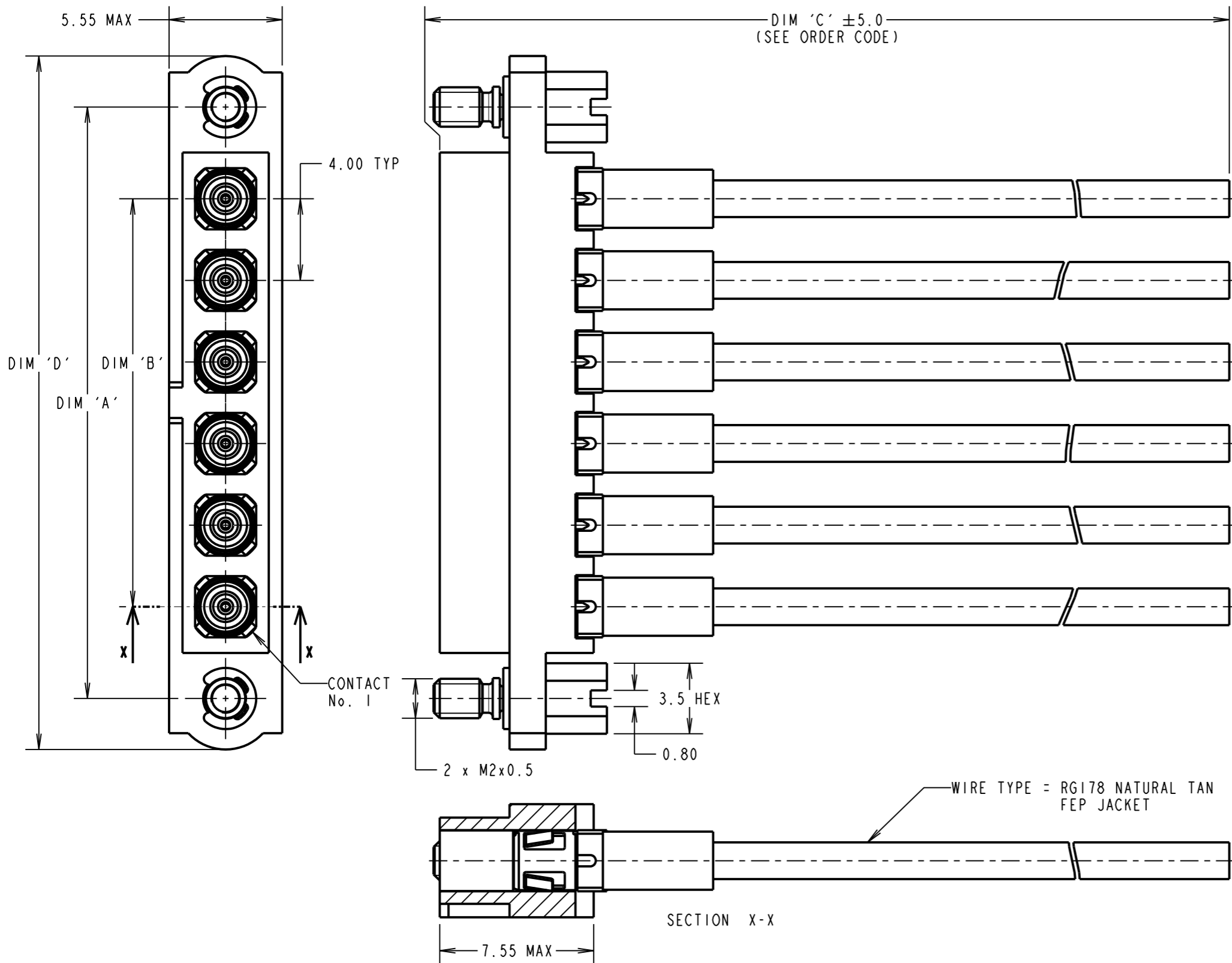
IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



## SPECIFICATIONS:

**MATERIAL:**  
 MOULDING: GLASS FILLED PPS, UL94V-0, BLACK

**COAX CONTACT:**  
 BODY, SLEEVE, INNER CONTACT, END PLUG = COPPER ALLOY  
 LATCHING COLLAR = BERYLLIUM COPPER  
 INSULATOR = PTFE

**FINISH:**  
 COAX CONTACT:  
 BODY, SLEEVE, INNER CONTACT, END PLUG = GOLD  
 LATCHING COLLAR = NICKEL

**ELECTRICAL:**  
 WORKING VOLTAGE = 800V AC/DC  
 VOLTAGE PROOF = 1200V AC/DC  
 INSULATION RESISTANCE = 100MΩ MIN

**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  
 COAX 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)

ORDER CODE:  
**M80-FC305FI-XX-XXXXL**

TOTAL No. OF CONTACTS:  
 02, 04, 06, 08

DIM 'C' LENGTH:  
 0060 = 60mm MIN  
 9999 = 9999mm MAX

STOCKED LENGTH:  
 0150 = 150mm

MSP	2	17.08.17	20748
NAME	ISS.	DATE	C/NOTE
APPROVED:		M.PERREN	
CHECKED:		M.PLESTED	
DRAWN:		M.PERREN	
CUSTOMER REF.:			
ASSEMBLY DRG:			

DIMENSION	MEASUREMENT
DIM 'A'	4 x TOTAL No. OF CONTACTS + 5.00
DIM 'B'	4 x TOTAL No. OF CONTACTS - 4.00
DIM 'D'	4 x TOTAL No. OF CONTACTS + 10.00

NOTES:  
 1. CABLE ASSEMBLIES WILL BE PACKED IN BAGS OF 10.

EXAMPLE PART No.:  
 CONNECTOR WITH 6 CONTACTS AND 150mm OF WIRE = M80-FC305FI-06-0150L  
 CONNECTOR WITH 2 CONTACTS AND 450mm OF WIRE = M80-FC305FI-02-0450L

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		X. = ±1mm X.X = ±0.25mm X.XX = ±0.10mm X.XXX = ±0.01mm ANGLES = ±5° UNLESS STATED	SEE ABOVE	DATAMATE COAX FEMALE TO FEMALE CABLE ASSEMBLY
			FINISH: SEE ABOVE	DRAWING NUMBER:
			S/AREA: mm <sup>2</sup>	<b>M80-FC305FI-XX-XXXXL</b>

# Mouser Electronics

Authorized Distributor

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