

# Customer Information Sheet

DRAWING No.: M80-FC1305F1-XX-XXXXF1

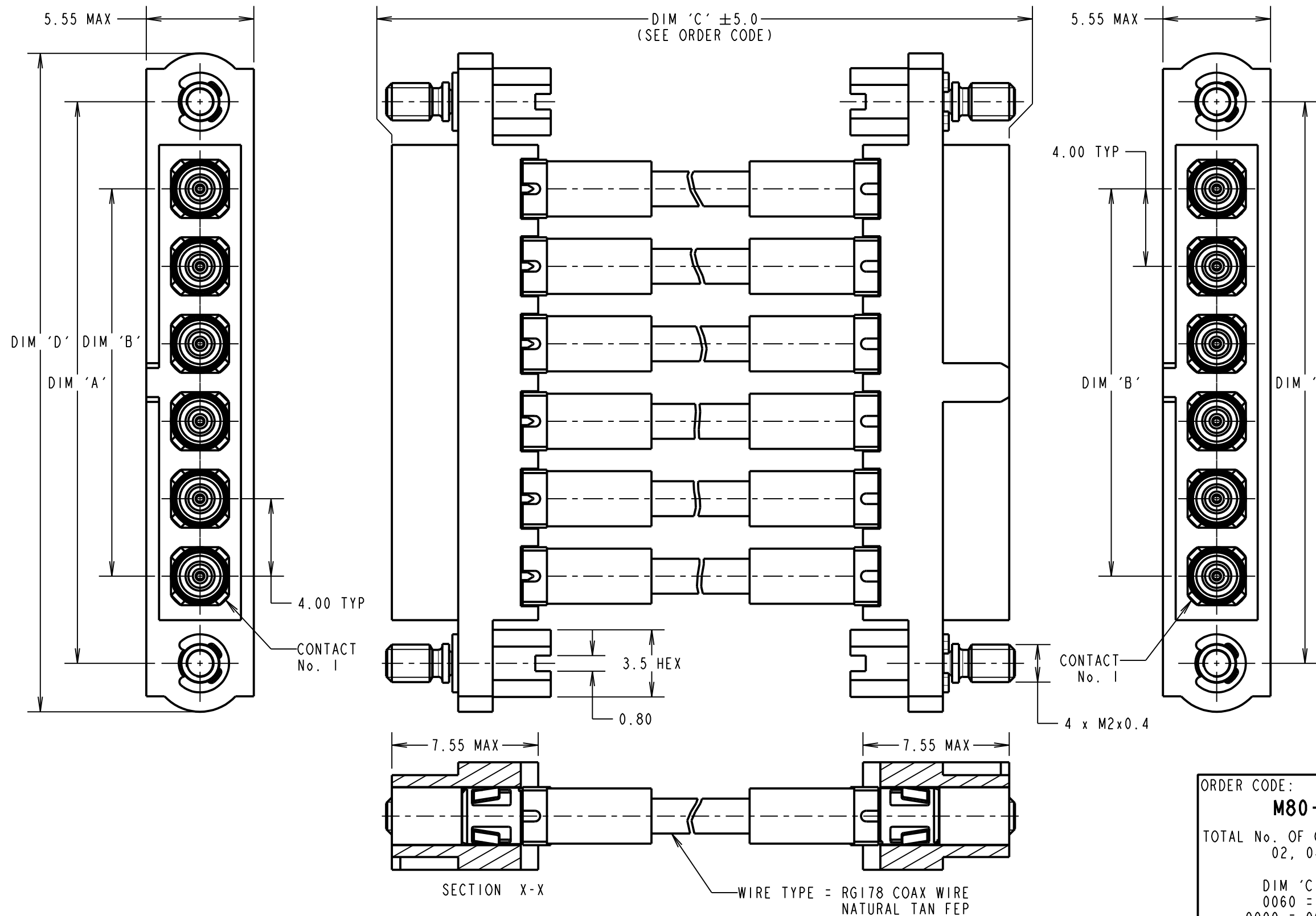
IF IN DOUBT - ASK

©

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:**  
 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 SPECIFICATIONS C005XX (LATEST ISSUE) + C049XX (LATEST ISSUE).

- NOTES:**  
 1. CABLE ASSEMBLIES WILL BE PACKED IN BAGS OF 10.  
 2. WIRING OF CONNECTOR:  
 CONTACT 1 TO CONTACT 1,  
 CONTACT 2 TO CONTACT 2,  
 CONTACT 3 TO CONTACT 3, ETC.

ORDER CODE:  
**M80-FC305F1-XX-XXXXF1**

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

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

STOCKED LENGTH: \_\_\_\_\_  
 0150 = 150mm

RTP	3	05.04.19	21826
NAME	ISS.	DATE	C/NOTE
APPROVED: R.PORTLOCK			
CHECKED: S.FLOWER			
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

EXAMPLE PART No.:  
 CONNECTOR WITH 6 CONTACTS AND 150mm OF WIRE =  
 M80-FC305F1-06-0150F1  
 CONNECTOR WITH 2 CONTACTS AND 450mm OF WIRE =  
 M80-FC305F1-02-0450F1



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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:**  
 DATAMATE COAX FEMALE TO FEMALE CABLE ASSEMBLY

**DRAWING NUMBER:**  
**M80-FC305F1-XX-XXXXF1**

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