

Customer Information Sheet

DRAWING No.: M80-FCI305FI-XX-XXXXFI

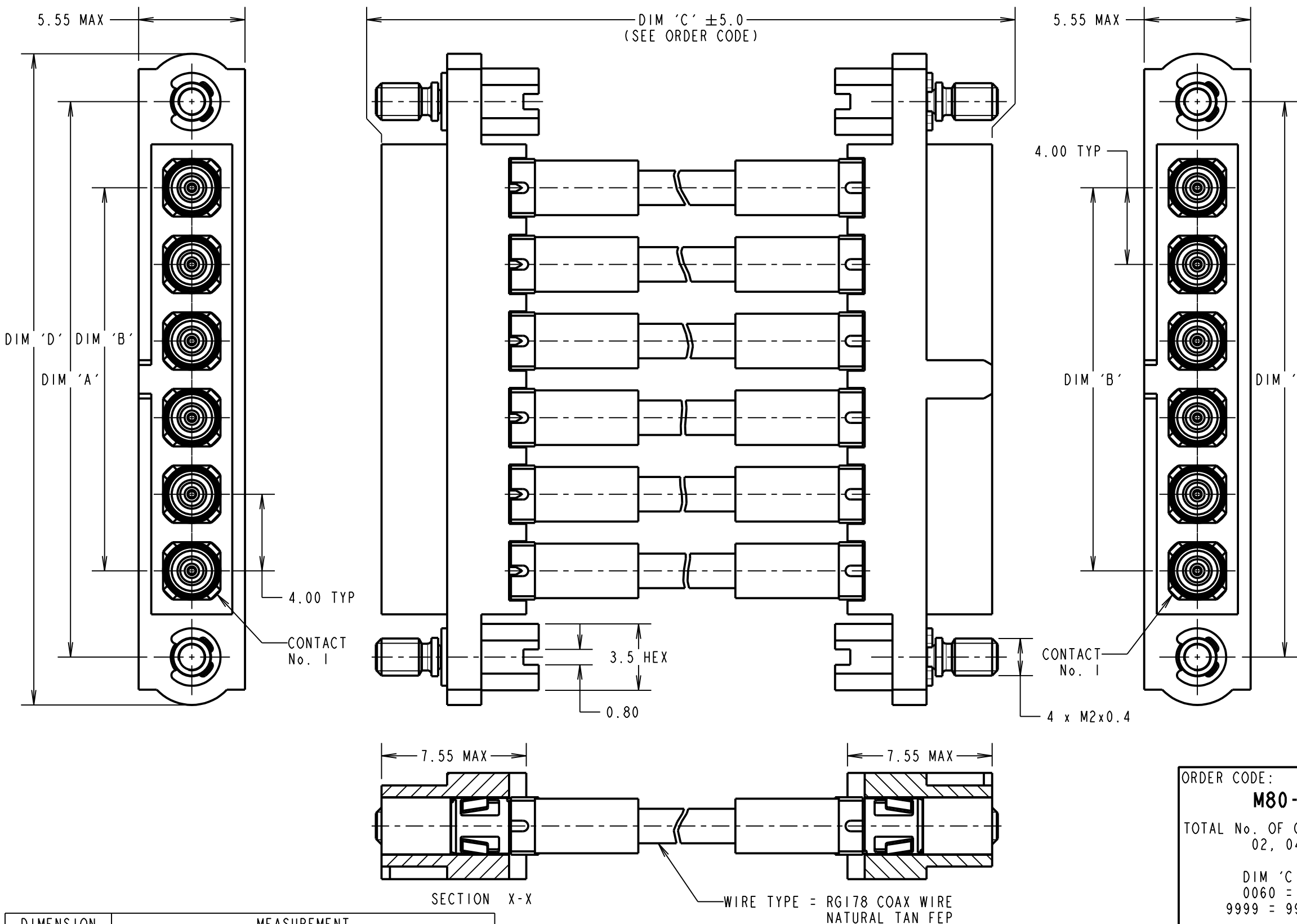
IF IN DOUBT - ASK

©

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:
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 = 10⁶MΩ @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)

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-FC305FI-06-0150FI CONNECTOR WITH 2 CONTACTS AND 450mm OF WIRE = M80-FC305FI-02-0450FI	

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

HARWIN

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TOLERANCES
X. = ±1mm
X.X = ±0.25mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

ORDER CODE:
M80-FC305FI-XX-XXXXFI

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:			

MATERIAL: SEE ABOVE	TITLE: DATAMATE COAX FEMALE TO FEMALE CABLE ASSEMBLY
FINISH: SEE ABOVE	DRAWING NUMBER: M80-FC305FI-XX-XXXXFI
S/AREA: mm ²	SHT 2 OF 2