

Customer Information Sheet

DRAWING No.: M80-FC305FI-XX

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, END PLUG = COPPER ALLOY
INNER CONTACT, LATCHING COLLAR = BERYLLIUM COPPER
INSULATOR = PTFE

JACKSCREW, CIRCLIP = STAINLESS STEEL

FINISH:

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

ELECTRICAL:

INSULATION RESISTANCE = 100M Ω MIN

COAX CONTACT:

FREQUENCY RANGE = 6GHz
IMPEDANCE = 50 Ω
V.S.W.R = 1.05 + (0.04 x FREQUENCY) GHz MAX
CONTACT RESISTANCE = 6m Ω MAX
INSULATION RESISTANCE = 10⁶M Ω @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

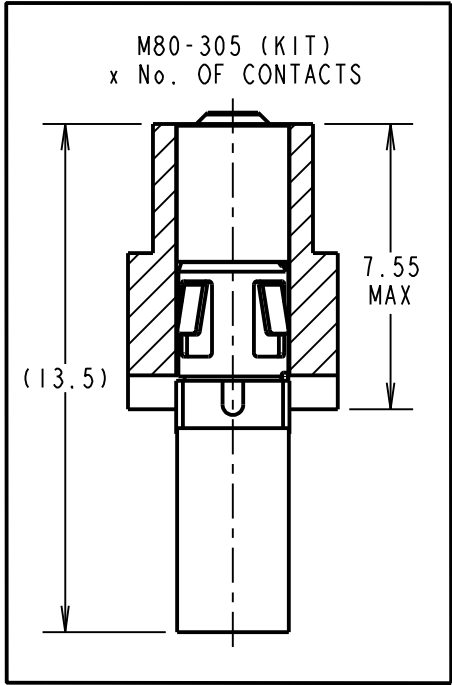
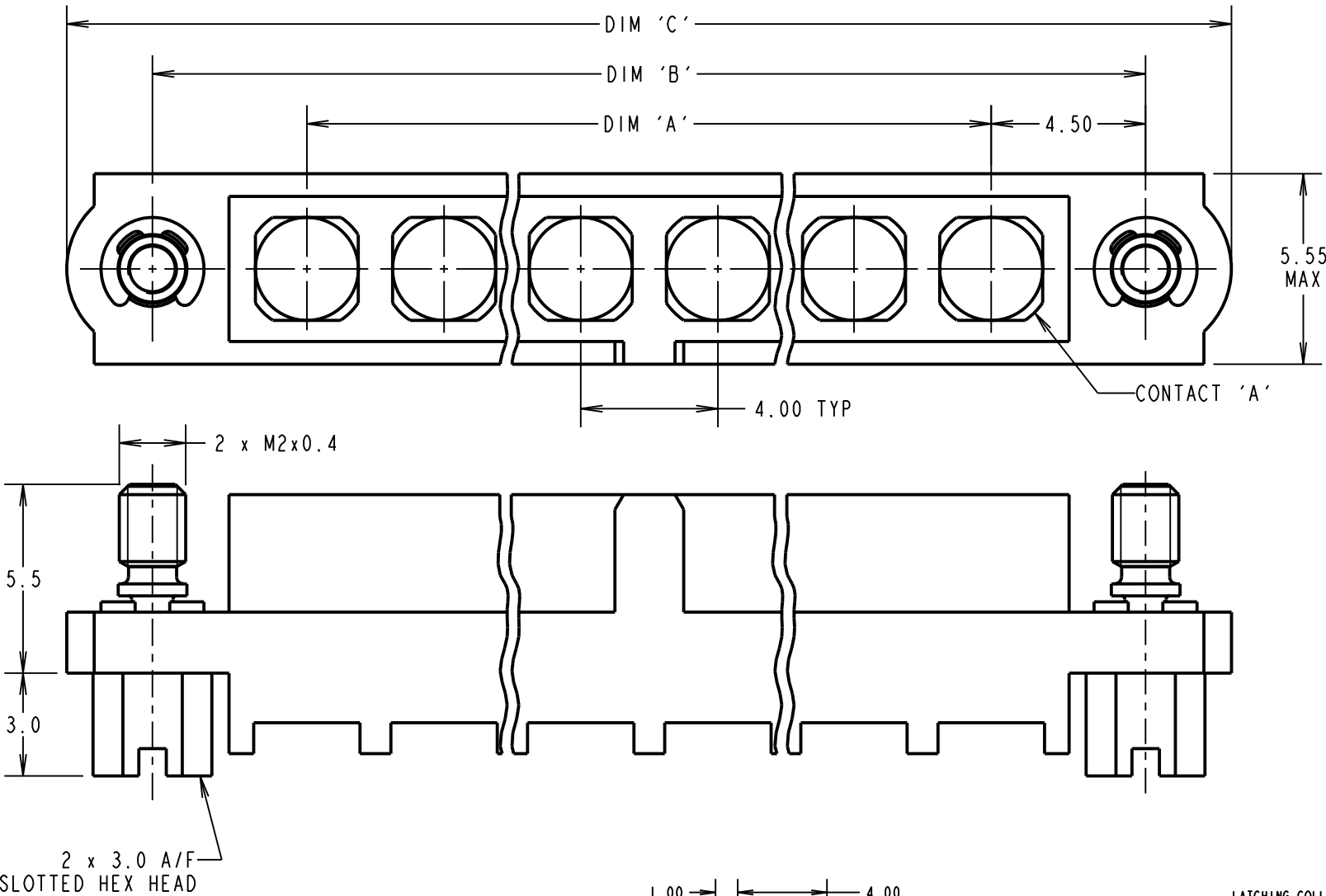
ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

BAG

FOR COMPLETE SPECIFICATION SEE COMPONENT
SPECIFICATION C005XX (LATEST ISSUE)

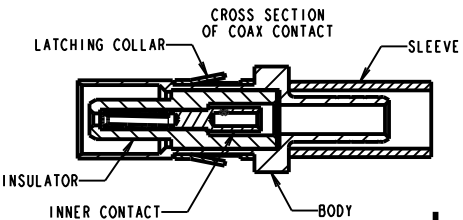
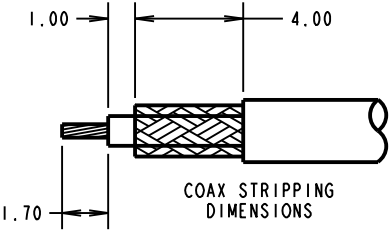
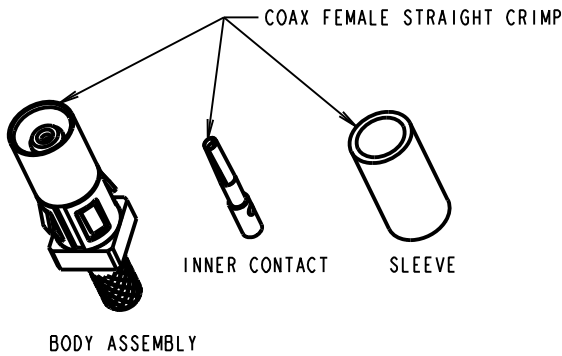


ORDER CODE:

M80-FC305FI-XX

COAX CONTACTS
305 = CRIMP FOR
Ø2.0mm CABLE (M80-305)

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



NOTES:

- CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.
- COAX CONTACT IS SUPPLIED AS A KIT OF PARTS: BODY, INSULATOR AND LATCHING COLLAR ARE PRE-ASSEMBLED. SLEEVE AND INNER CONTACT ARE SEPARATE.
- FOR EXTRA COAX CONTACTS, USE PART NUMBER M80-305.
- RECOMMENDED HAND CRIMP TOOL FOR COAX INNER CONTACT = Z80-292 WITH POSITIONER Z80-291. RECOMMENDED HAND CRIMP TOOL AND DIE SET FOR COAX SLEEVE = Z80-293.
- COAX CONTACT EXTRACTION TOOL = Z80-290.
- INSTRUCTION SHEETS ARE AVAILABLE FOR ALL TOOLS.

DIMENSION	CALCULATION
DIM 'A'	4 x No. OF CONTACTS - 4.00
DIM 'B'	4 x No. OF CONTACTS + 5.00
DIM 'C'	4 x No. OF CONTACTS + 10.00
EXAMPLE: CONNECTOR WITH 08 COAX CONTACTS, M80-FC305FI-08 DIM 'A' = 28.00mm, DIM 'B' = 37.00mm, DIM 'C' = 42.00mm	

HARWIN
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TOLERANCES
X. = ±1mm
X.X = ±0.50mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

MATERIAL:
SEE ABOVE
FINISH: SEE ABOVE
S/AREA: mm²

TITLE: DATAMATE COAX
FEMALE KIT WITH
SLOTTED JACKSCREW
DRAWING NUMBER:
M80-FC305FI-XX
SHT 2 OF 2

WJP	I	10.09.15	----
NAME	ISS.	DATE	C/NOTE
APPROVED: W. J. PRESTON			
CHECKED: M. G. PLESTED			
DRAWN: W. J. PRESTON			
CUSTOMER REF.:			
ASSEMBLY DRG:			