

Customer Information Sheet

DRAWING No.: M80-MH314M5-XX

IF IN DOUBT - ASK

C

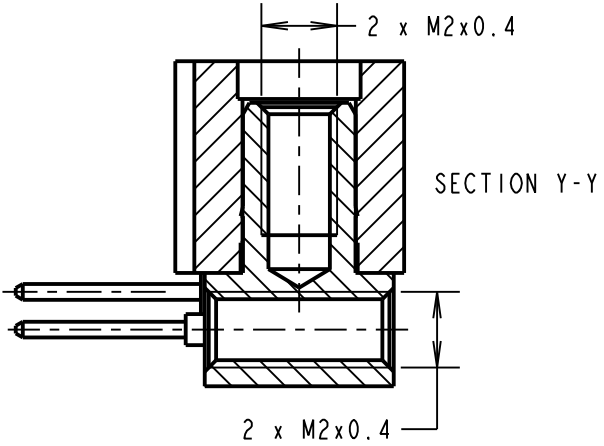
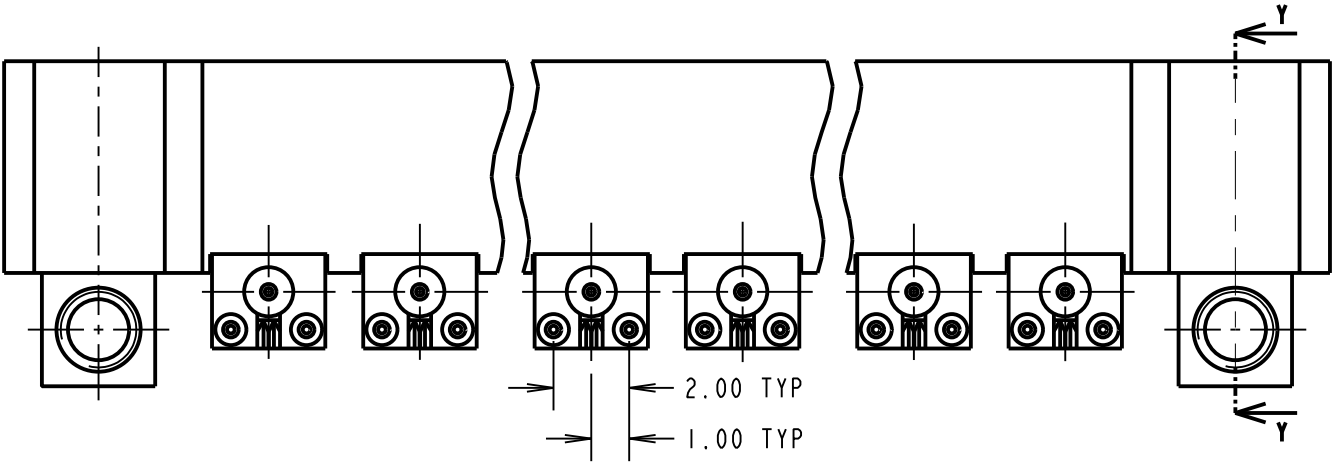
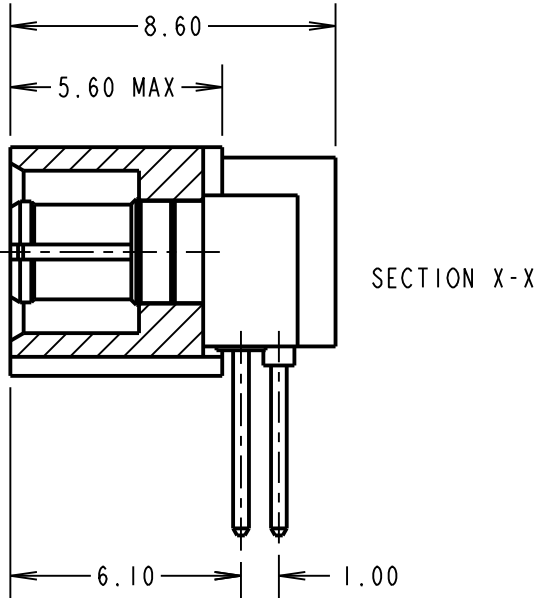
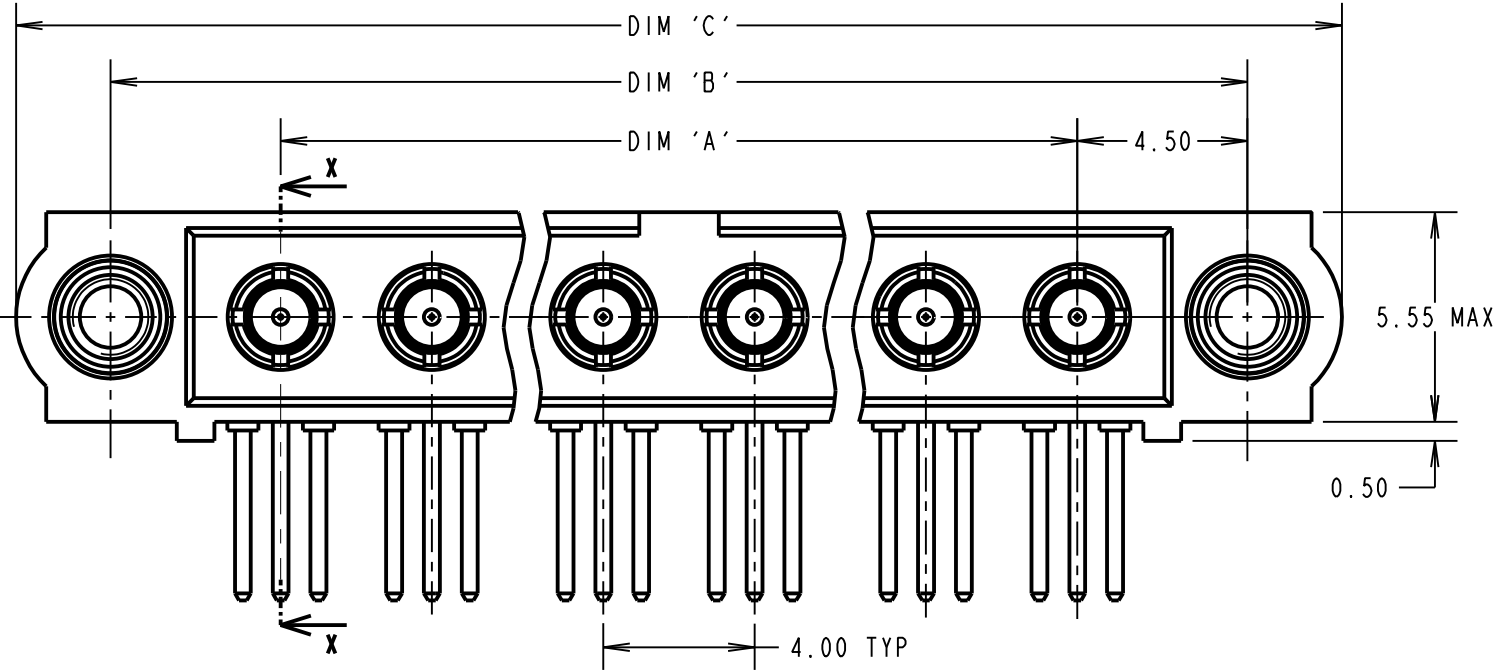
NOT TO SCALE

THIRD ANGLE PROJECTION

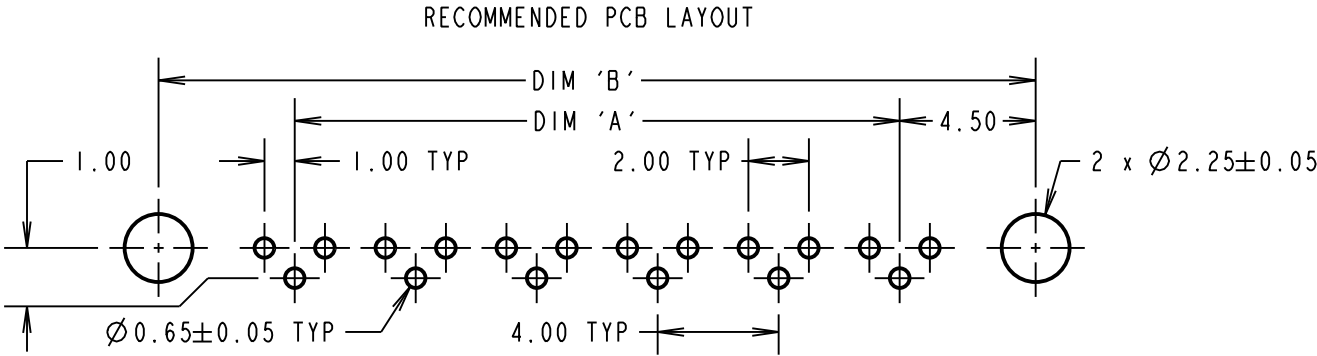
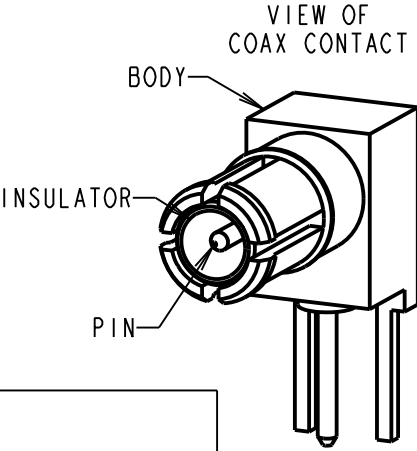
ALL DIMENSIONS IN mm

SPECIFICATIONS:
MATERIAL:
MOULDING = GLASS FILLED PPS, UL94V-0, BLACK
COAX CONTACT:
BODY = COPPER ALLOY
INNER CONTACT = COPPER ALLOY
INSULATOR = PTFE
JACKSCREW = STAINLESS STEEL
FINISH:
COAX CONTACT:
BODY, INNER CONTACT = GOLD
ELECTRICAL:
WORKING VOLTAGE = 800V AC/DC
VOLTAGE PROOF = 1200V AC/DC
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:
TUBE
FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)

NOTES:
1. JACKSCREW BOLTS SHOULD BE PURCHASED SEPARATELY - PART NUMBER M80-2270000B FOR A BAG OF 12.



ORDER CODE:
M80-MH314M5-XX
COAX CONTACTS _____
314 = 4.5mm HORIZONTAL
PC TAIL (M80-314)
TOTAL No. OF CONTACTS _____
02, 04, 06, 08



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 8 COAX CONTACTS, M80-MH314M5-08 DIM 'A' = 28.00mm, DIM 'B' = 37.00mm, DIM 'C' = 42.00mm	

HARWIN
www.harwin.com
technical@harwin.com

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TOLERANCES
X. = ± 1 mm
X.X = ± 0.25 mm
X.XX = ± 0.10 mm
X.XXX = ± 0.01 mm
ANGLES = $\pm 5^\circ$
UNLESS STATED

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

TITLE: DATAMATE COAX MALE ASSEMBLY, HORIZONTAL BOARD MOUNT JACKSCREW
DRAWING NUMBER: M80-MH314M5-XX
SHT 2 **OF** 2

MSP	3	21.07.17	20233
NAME	ISS.	DATE	C/NOTE
APPROVED:		M.PERREN	
CHECKED:		M.PLESTED	
DRAWN:		W. J. PRESTON	
CUSTOMER REF.:			
ASSEMBLY DRG:			