

Customer Information Sheet

DRAWING No.: M80-MH313M5-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

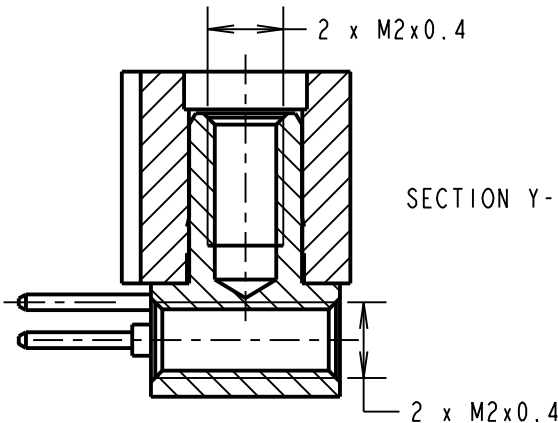
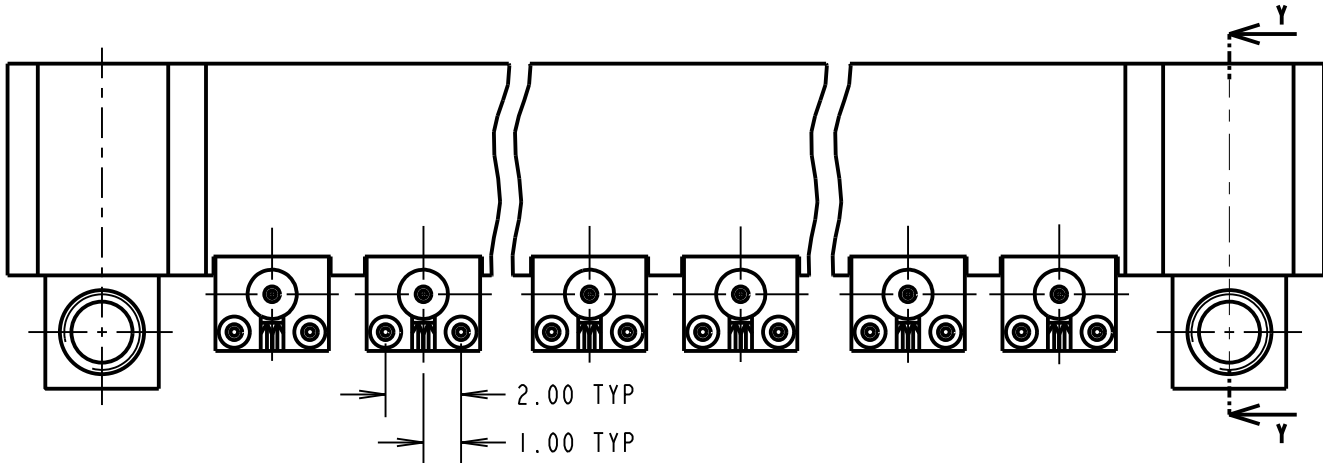
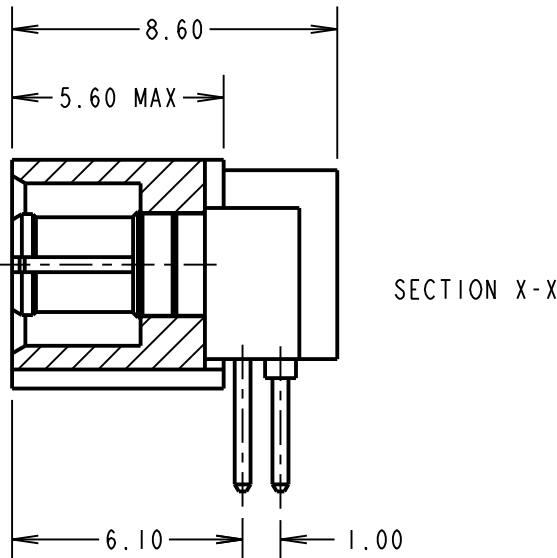
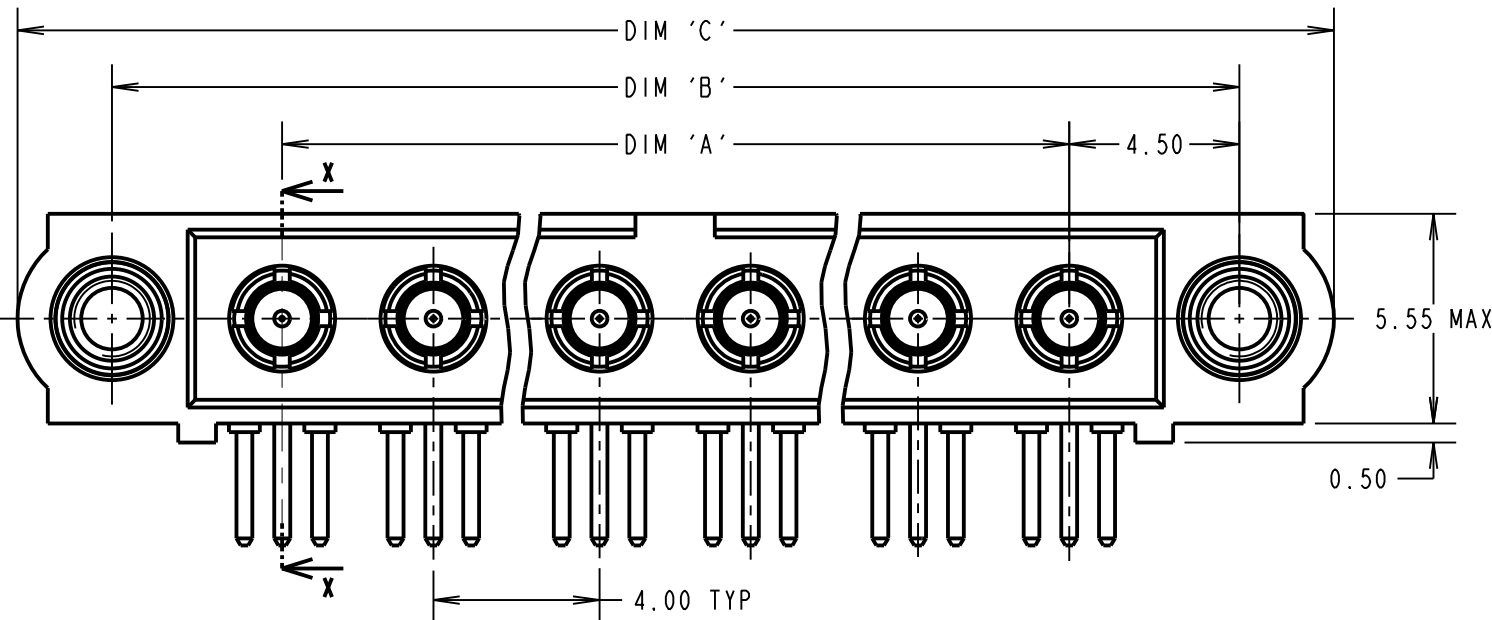
MECHANICAL:

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:

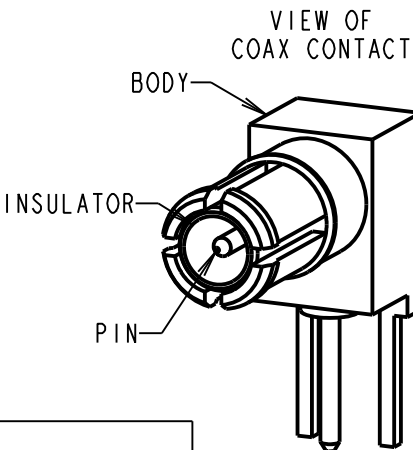
- JACKSCREW BOLTS SHOULD BE PURCHASED SEPARATELY - PART NUMBER M80-2270000B FOR A BAG OF 12.

ORDER CODE:

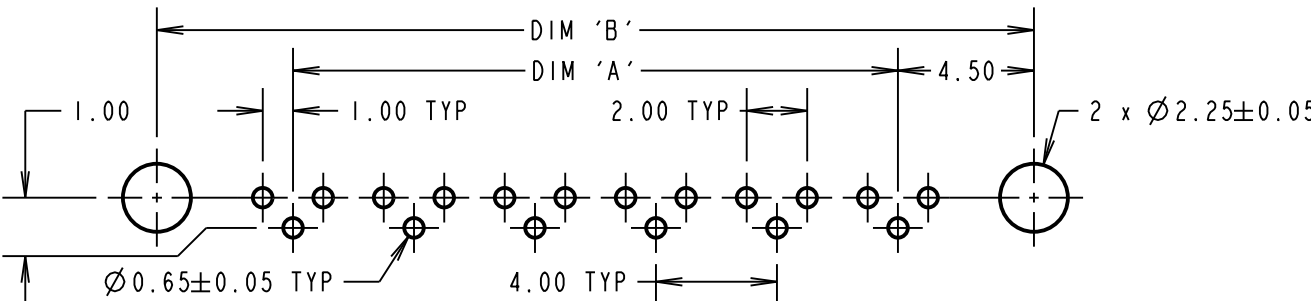
M80-MH313M5-XX

COAX CONTACTS _____
313 = 3.0mm HORIZONTAL
PC TAIL (M80-313)

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



RECOMMENDED PCB LAYOUT



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-MH313M5-08 DIM 'A' = 28.00mm, DIM 'B' = 37.00mm, DIM 'C' = 42.00mm	

HARWIN

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DISCLOSED, LOANED, COPIED
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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-MH313M5-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:			

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Harwin:

[M80-MH313M5-08](#) [M80-MH313M5-04](#) [M80-MH313M5-02](#) [M80-MH313M5-06](#)