

Customer Information Sheet

DRAWING No.: M80-MV312M3-XX

IF IN DOUBT - ASK

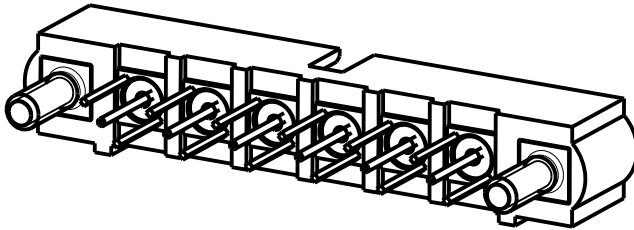
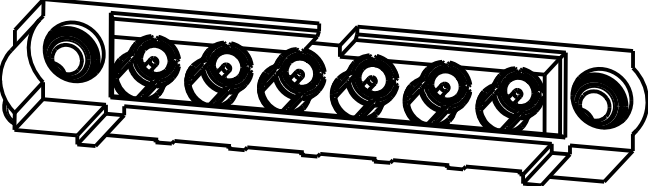
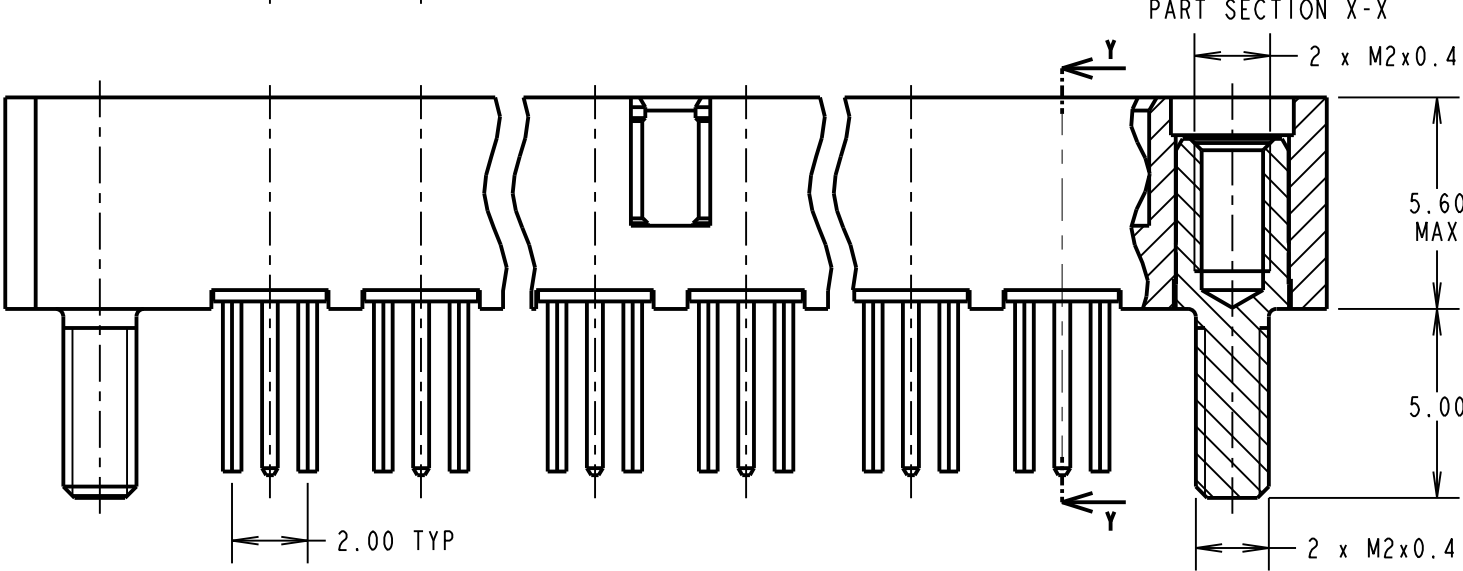
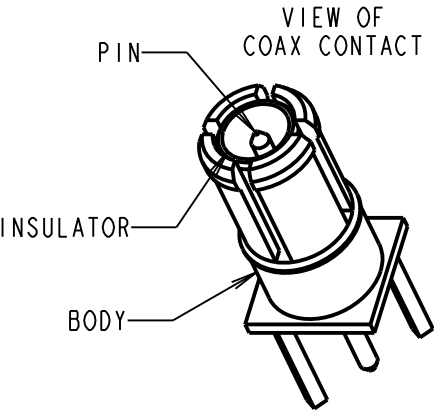
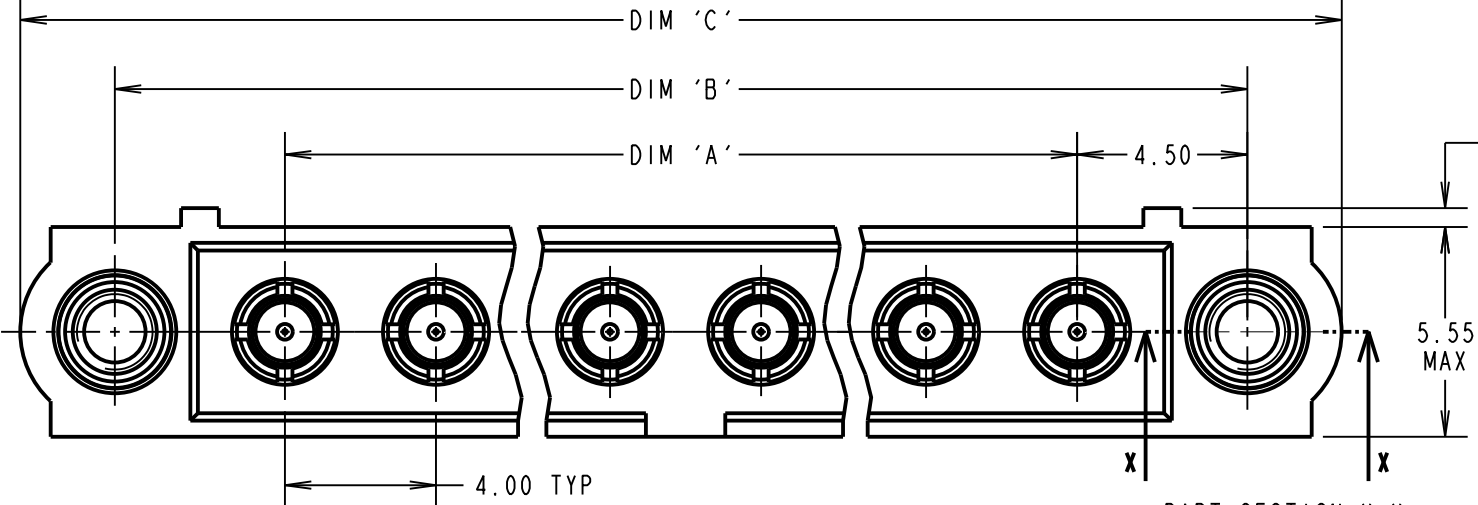
(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

SPECIFICATIONS:
MATERIAL:
MOULDING = GLASS FILLED PPS, UL94V-0, BLACK
COAX CONTACT:
BODY, SLEEVE, INNER CONTACT, END PLUG = COPPER ALLOY
LATCHING COLLAR = BERYLLIUM COPPER
INSULATOR = PTFE
JACKSCREW = 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:
TUBE
FOR COMPLETE SPECIFICATION SEE COMPONENT
SPECIFICATION C005XX (LATEST ISSUE)

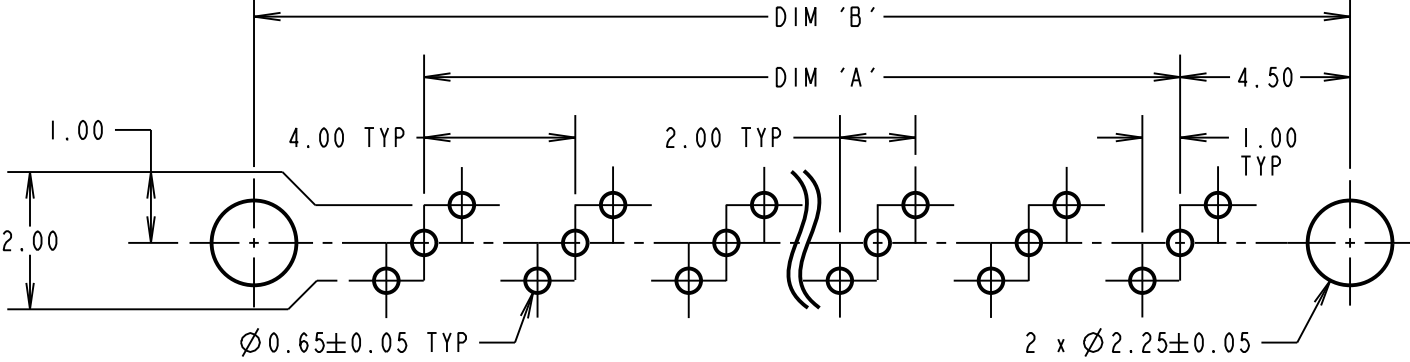


NOTES:
1. JACKSCREW NUTS SHOULD BE PURCHASED
SEPARATELY - PART NUMBER M80-2130000B
FOR A BAG OF 12.

ORDER CODE:
M80-MV312M3-XX
COAX CONTACTS
312 = 4.5mm VERTICAL
PC TAIL (M80-312)
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-MV312M3-08 DIM 'A' = 28.00mm, DIM 'B' = 37.00mm, DIM 'C' = 42.00mm	

RECOMMENDED PCB LAYOUT



WJP	2	17.09.15	13104
NAME	ISS.	DATE	C/NOTE
APPROVED: W. J. PRESTON			
CHECKED: M. G. PLESTED			
DRAWN: W. J. PRESTON			
CUSTOMER REF.:			
ASSEMBLY DRG:			

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TOLERANCES
X. = ± 1 mm
X.X = ± 0.50 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 WITH
BOARD MOUNT JACKSCREW
DRAWING NUMBER:
M80-MV312M3-XX
SHT 2 OF 2

Mouser Electronics

Authorized Distributor

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

Harwin:

[M80-MV312M3-08](#) [M80-MV312M3-04](#) [M80-MV312M3-02](#) [M80-MV312M3-06](#) [M80-MH312M3-08](#)