

Customer Information Sheet

DRAWING No.: M80-MV311M2-XX

IF IN DOUBT - ASK

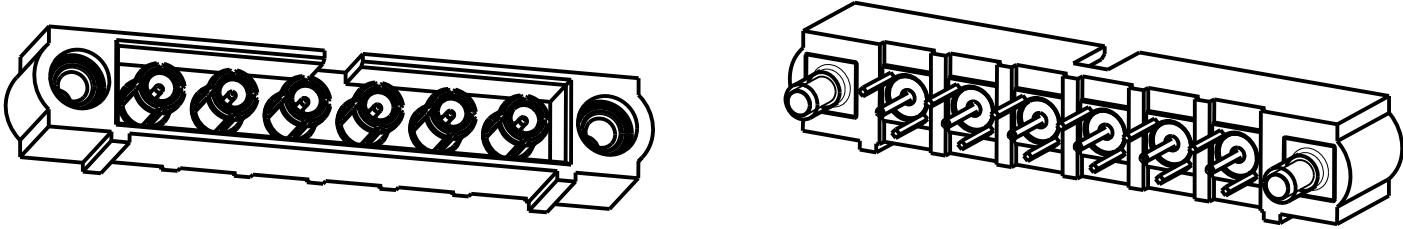
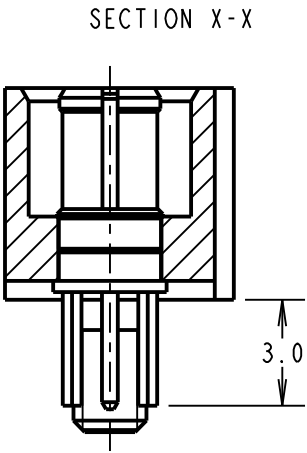
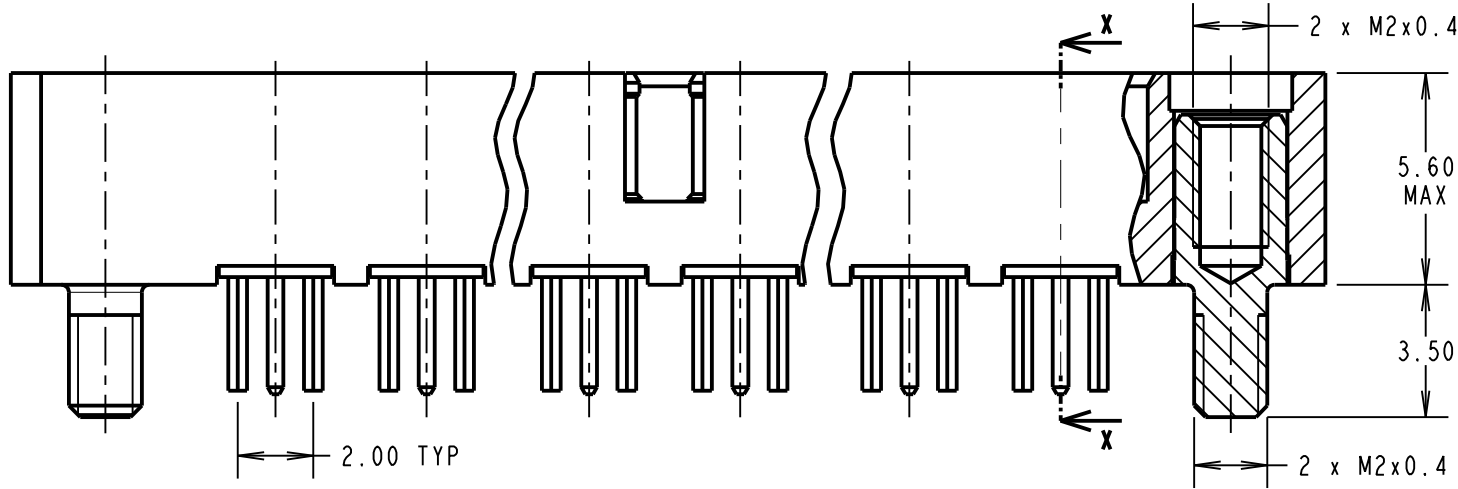
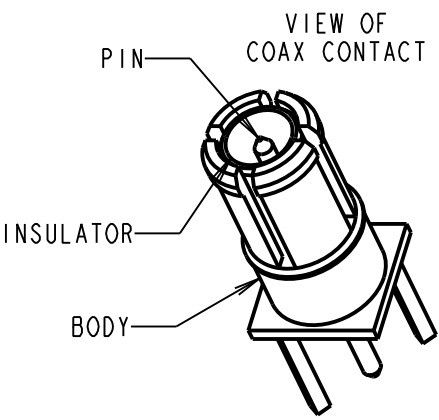
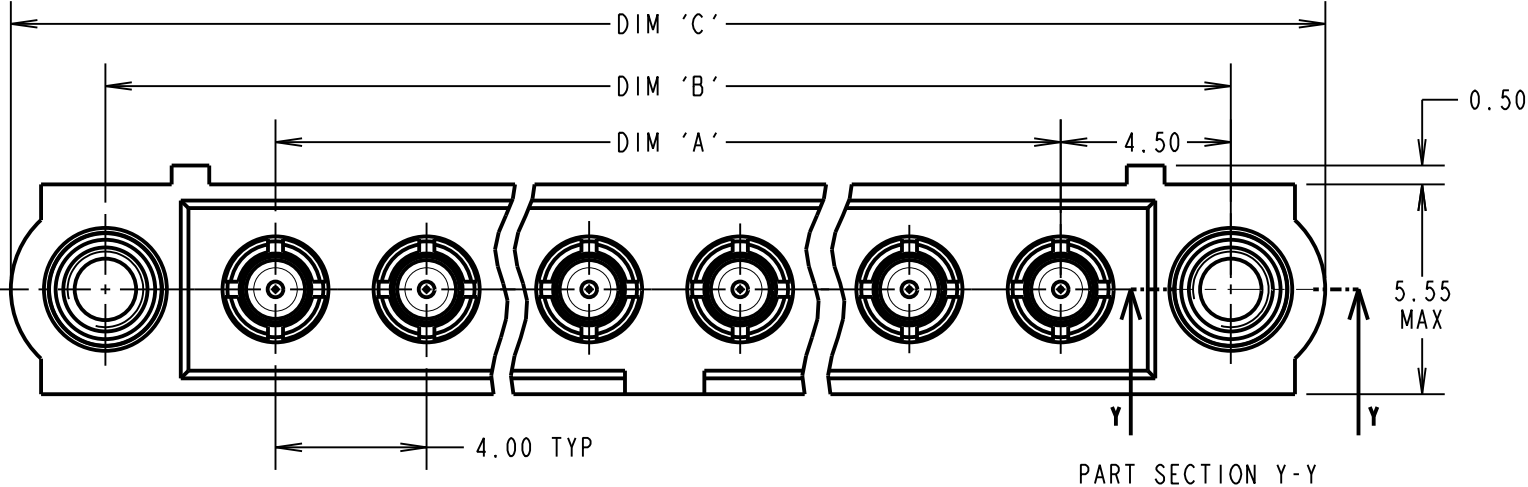
©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

SPECIFICATIONS:
MATERIAL:
MOULDING = GLASS FILLED PPS, UL94V-0, BLACK
COAX CONTACT:
BODY, SLEEVE, 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)

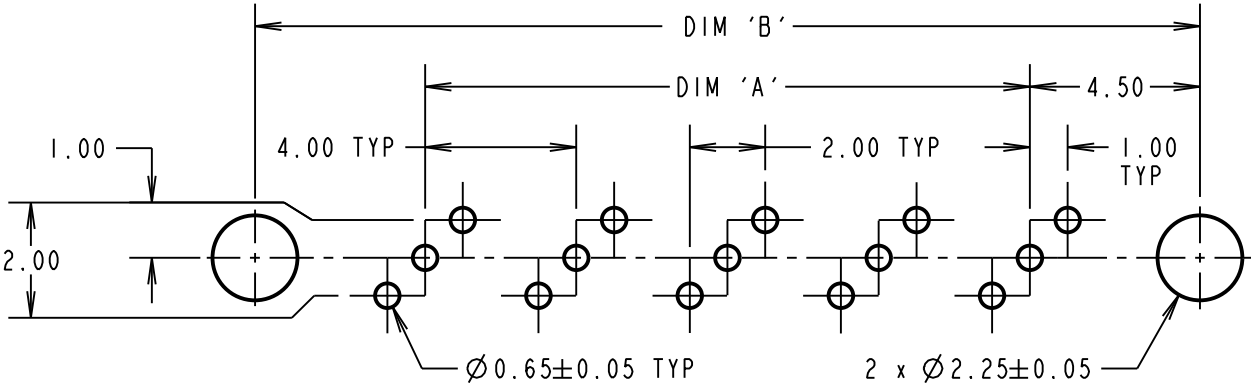


NOTES:
1. JACKSCREW NUTS SHOULD BE PURCHASED
SEPARATELY - PART NUMBER M80-2130000B
FOR A BAG OF 12.

ORDER CODE:
M80-MV311M2-XX
COAX CONTACTS
311 = 3.0mm VERTICAL
PC TAIL (M80-311)
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-MV311M2-08	
DIM 'A' = 28.00mm, DIM 'B' = 37.00mm, DIM 'C' = 42.00mm	

RECOMMENDED PCB LAYOUT



HARWIN
www.harwin.com
technical@harwin.com

THIS DRAWING AND ANY
INFORMATION OR DESCRIPTIVE
MATTER SET OUT HEREON ARE
CONFIDENTIAL AND COPYRIGHT
PROPERTY OF THE HARWIN
GROUP AND MUST NOT BE
DISCLOSED, LOANED, COPIED
OR USED FOR MANUFACTURING,
TENDERING OR FOR ANY
OTHER PURPOSE WITHOUT
THEIR WRITTEN PERMISSION.

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
MALE ASSEMBLY WITH
BOARD MOUNT JACKSCREW

DRAWING NUMBER:

M80-MV311M2-XX

SHT

2
OF
2

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:			