

Customer Information Sheet

DRAWING No.: M80-5L10405M5-04-313-00-000

IF IN DOUBT - ASK

C

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

SPECIFICATIONS:

MATERIAL:
MOULDING: GLASS FILLED PPS, UL94V-0, BLACK
SIGNAL CONTACT: PHOSPHOR BRONZE
COAX CONTACT:
 BODY = BRASS
 INNER CONTACT = PHOSPHOR BRONZE
 INSULATOR = PTFE
BOARD-MOUNT JACKSCREW, SCREW: STAINLESS STEEL

FINISH:
SIGNAL CONTACT:
 0.75µm GOLD ON CONTACT AREA,
 3µm 100% TIN ON TAILS
COAX CONTACT: BODY, INNER CONTACT = GOLD

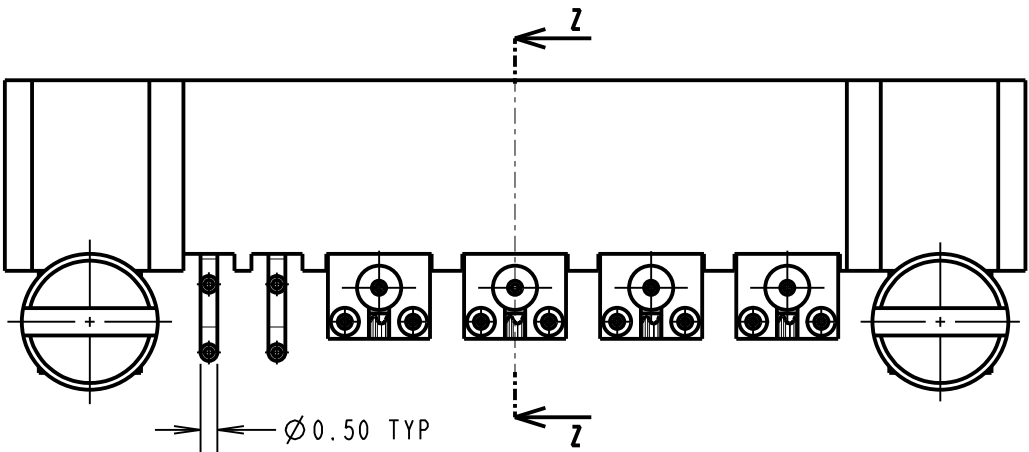
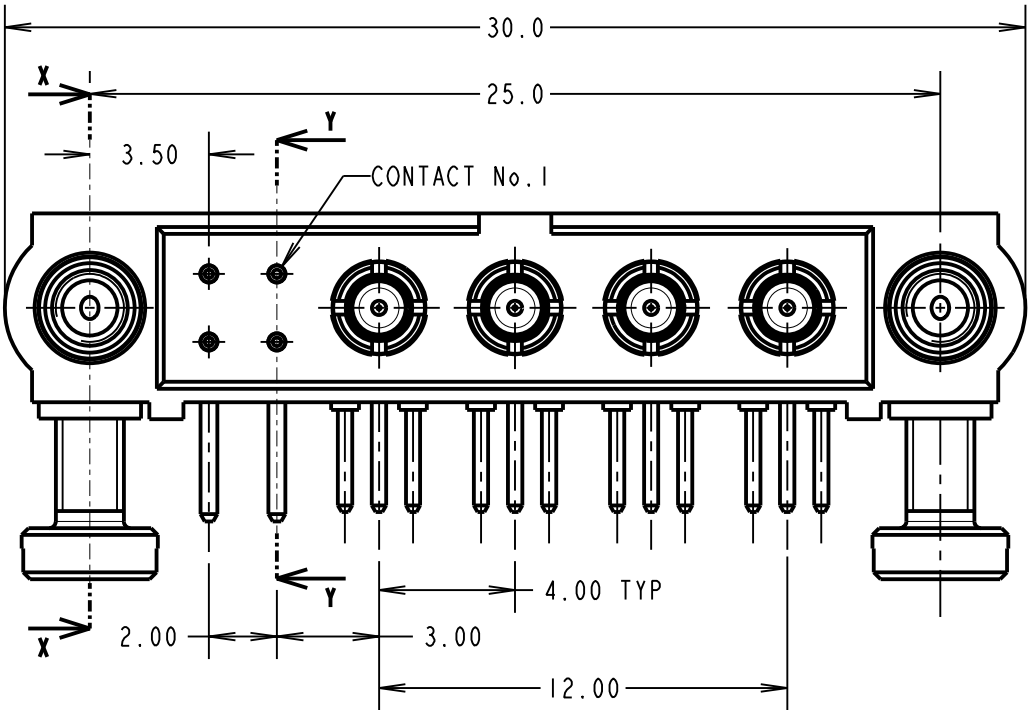
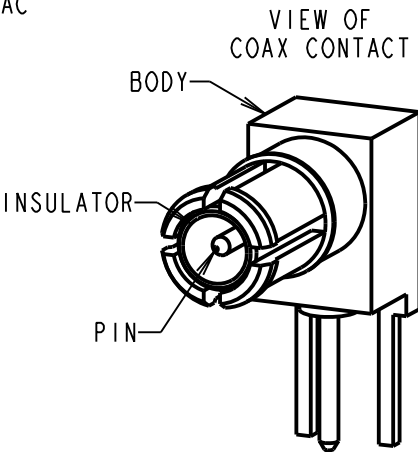
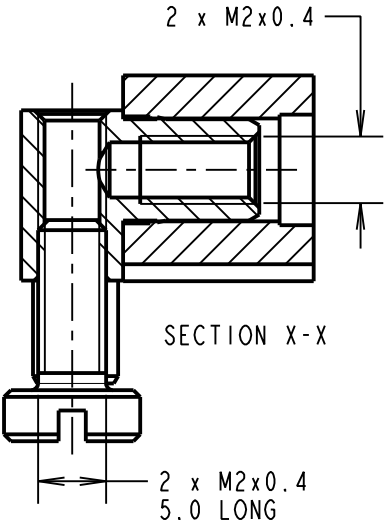
ELECTRICAL:
WORKING VOLTAGE = 800V AC/DC
VOLTAGE PROOF = 1200V AC/DC
INSULATION RESISTANCE = 100MΩ MIN
SIGNAL CONTACT:
 CURRENT RATING AT 25°C = 3.0A MAX
 CURRENT RATING AT 85°C = 2.2A MAX
 CONTACT RESISTANCE = 25 mΩ MAX
COAX CONTACT:
 FREQUENCY RANGE = 6GHz
 IMPEDANCE = 50 Ω
 V.S.W.R = 1.05 + (0.04 x FREQUENCY) GHz MAX
 CONTACT RESISTANCE 6 mΩ MAX

 INSULATION RESISTANCE = 10⁶MΩ @250V AC
 OPERATING VOLTAGE = 180V AC @ 500mA
 MAXIMUM VOLTAGE = 1000V AC

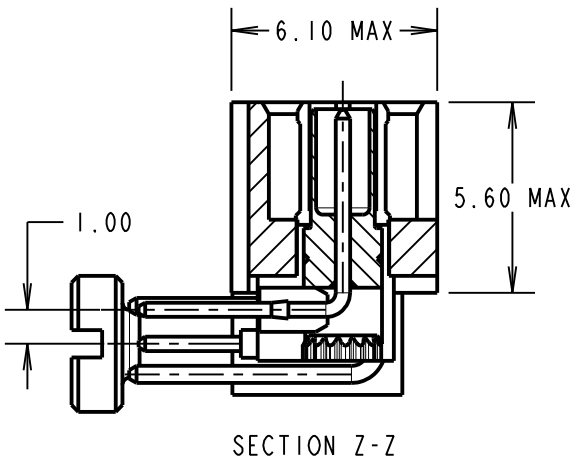
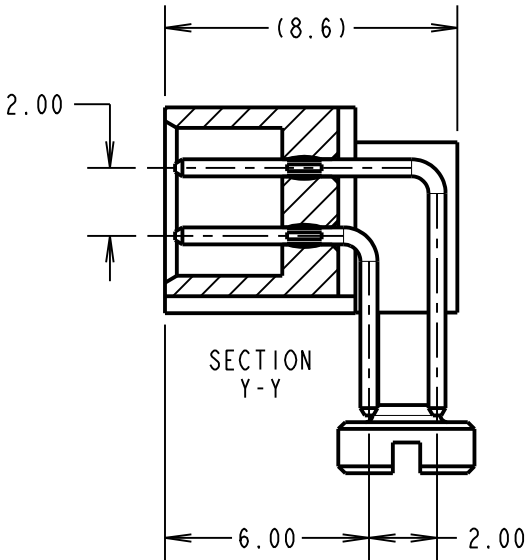
MECHANICAL:
DURABILITY = 500 OPERATIONS
SIGNAL CONTACT:
 INSERTION FORCE = 2.0N MAX
 WITHDRAWAL FORCE = 0.2N MIN
COAX CONTACT:
 INSERTION FORCE = 8N MAX
 WITHDRAWAL FORCE = 0.5N MIN

ENVIRONMENTAL:
TEMPERATURE RANGE = -55°C TO +125°C

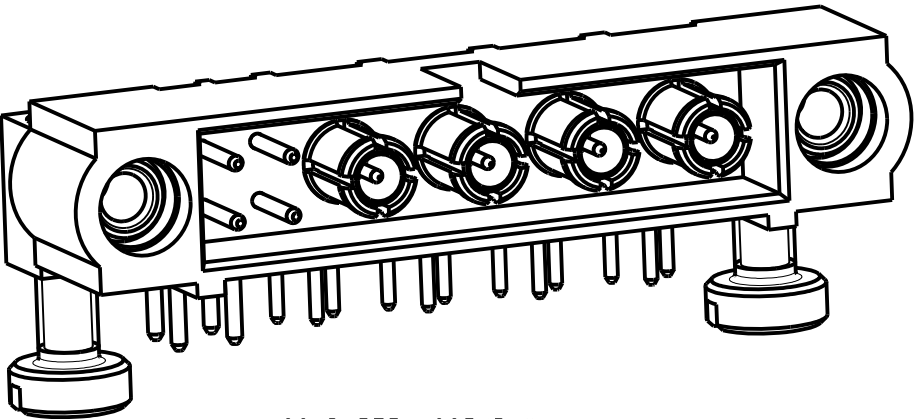
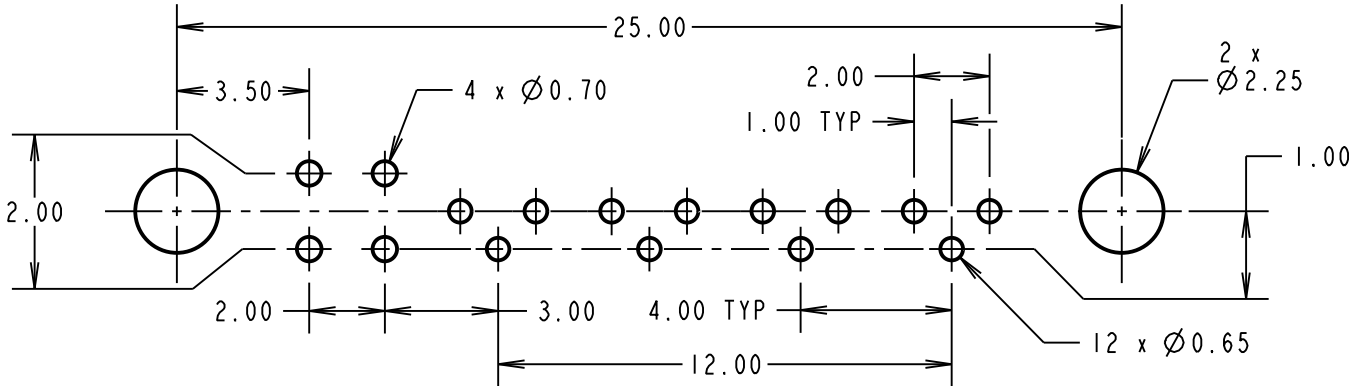
PACKING:
TUBE
FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)



NOTES:
1. CONNECTORS ARE SUPPLIED WITH SCREWS LOOSE.



RECOMMENDED PCB LAYOUT
(ALL TOLERANCES ±0.05)



COMPLETE ASSEMBLY
SHOWN FOR ILLUSTRATION
ONLY

HARWIN

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TOLERANCES

X. = ±1mm
X.X = ±0.50mm
X.XX = ±0.20mm
X.XXX = ±0.01mm

ANGLES = ±5°

UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH:

SEE ABOVE

S/AREA:

mm²

TITLE: JACKSCREW DATAMATE
MIXED TECHNOLOGY
PC TAIL MALE ASSEMBLY

DRAWING NUMBER:

M80-5L10405M5-04-313-00-000

SHT

2 OF 2

MR	2	06.11.19	22160
NAME	ISS.	DATE	C/NOTE
APPROVED: M.RUDKIN			
CHECKED: R.PORTLOCK			
DRAWN: M.RUDKIN			
CUSTOMER REF.:			
ASSEMBLY DRG:			