

Customer Information Sheet

DRAWING No.: M80-4T110F1-03-301

SHEET 2 OF 2

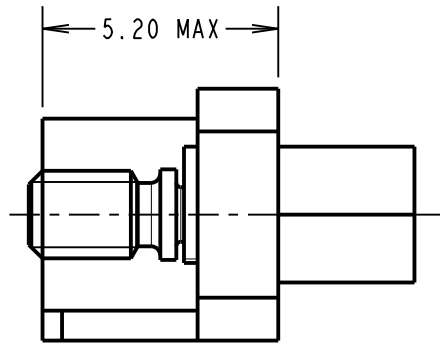
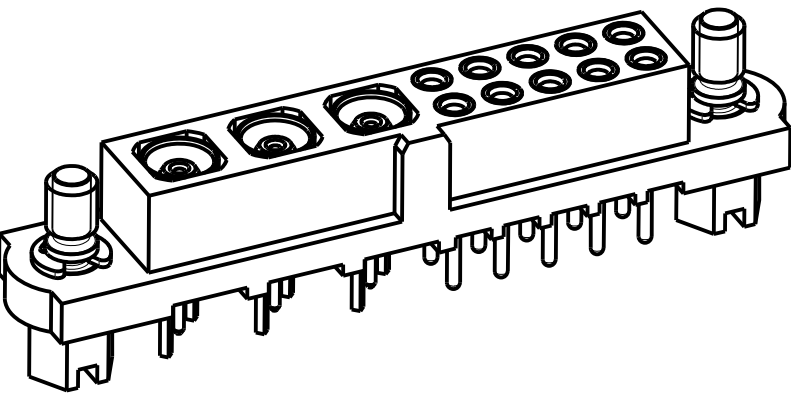
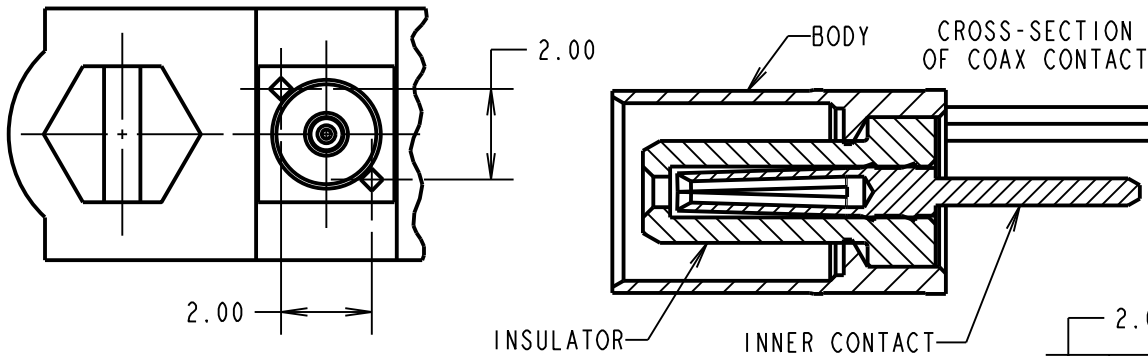
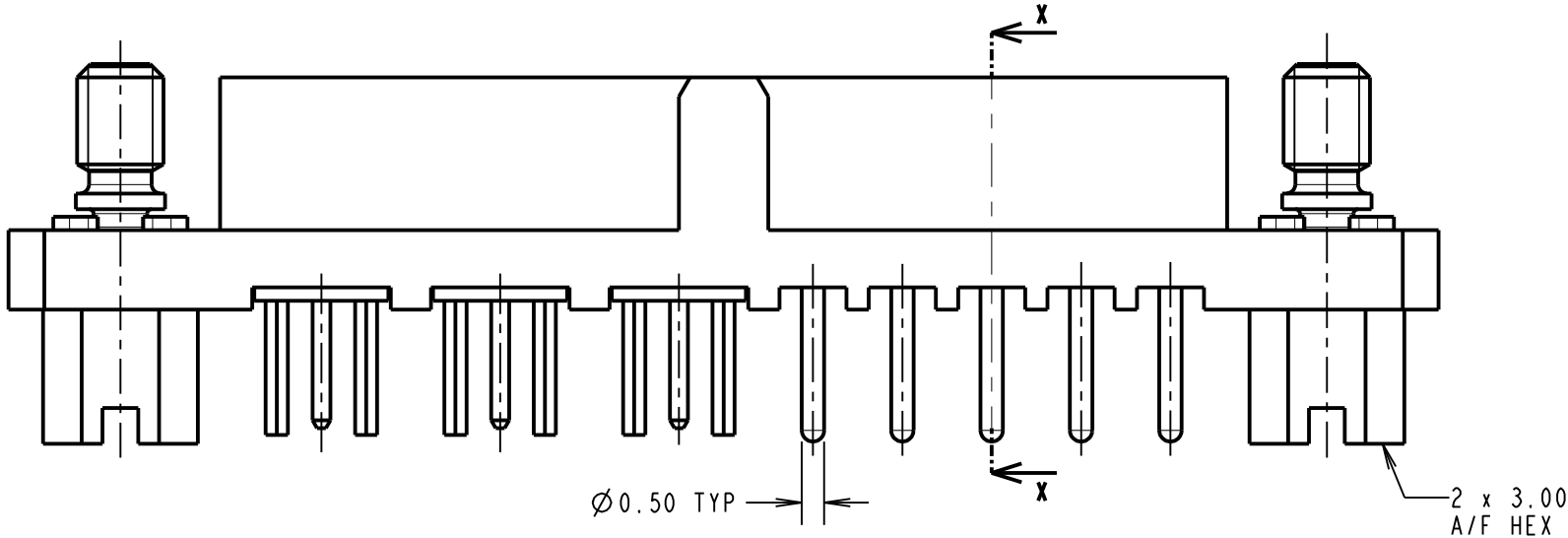
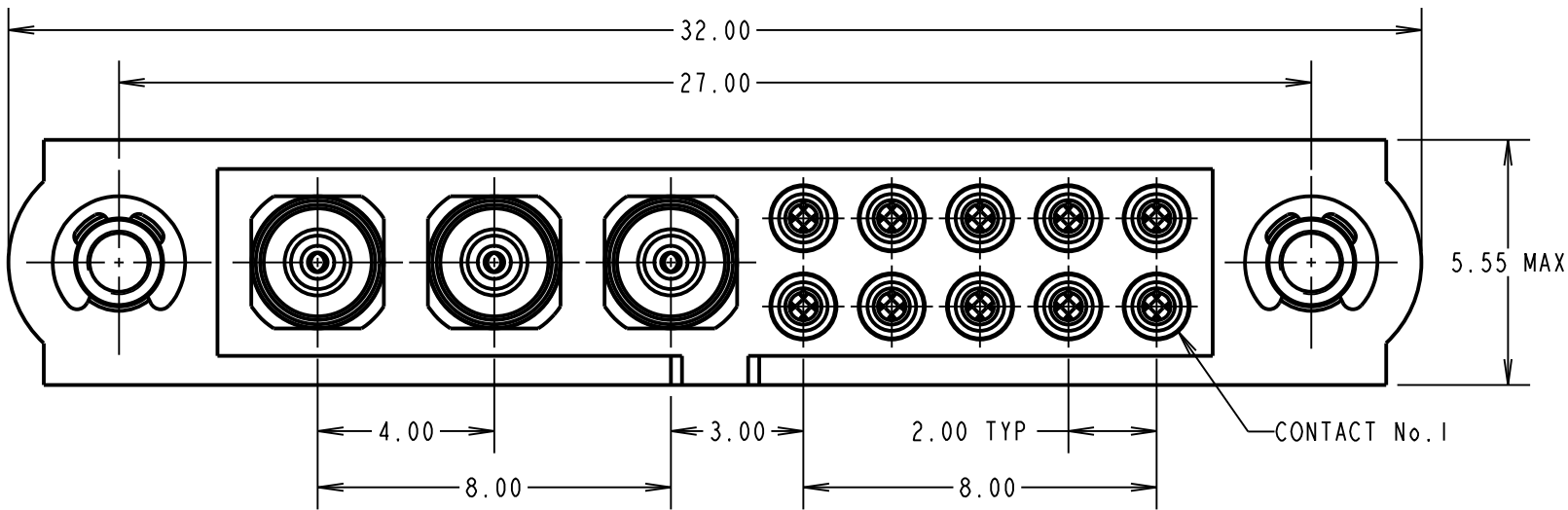
IF IN DOUBT - ASK

©

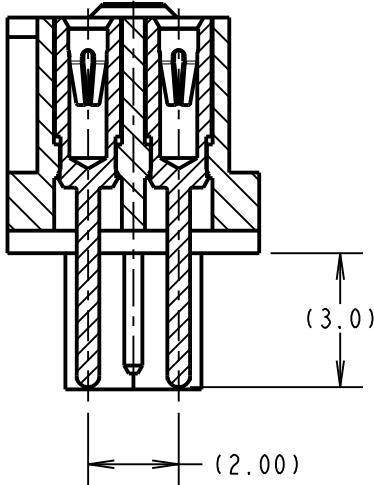
NOT TO SCALE

THIRD ANGLE PROJECTION

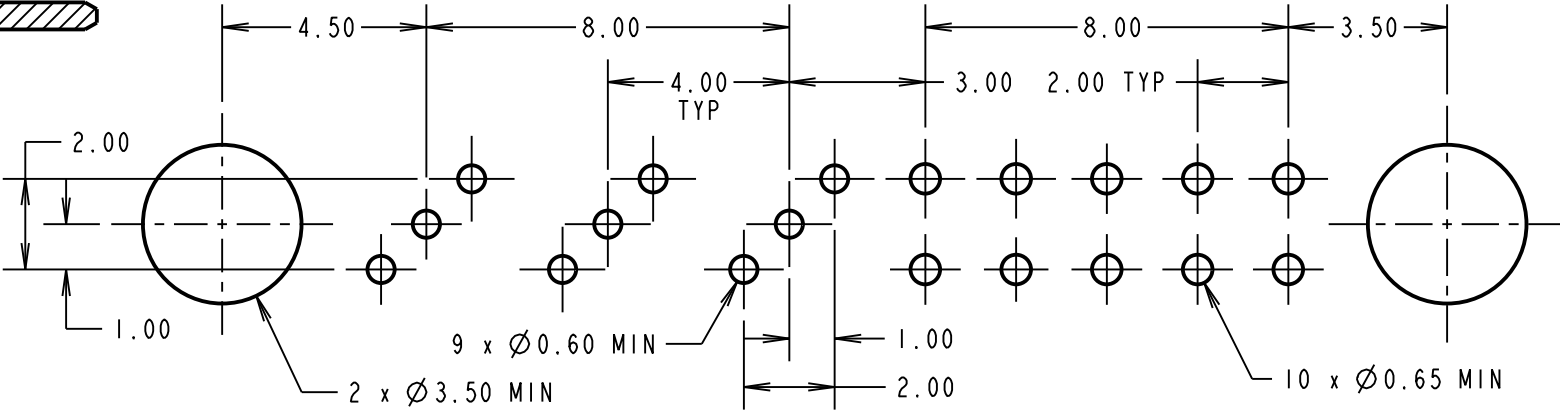
ALL DIMENSIONS IN mm



SECTION X-X



RECOMMENDED PCB LAYOUT



SPECIFICATIONS:

MATERIAL:
MOULDING = GLASS-FILLED PPS, UL94V-0, BLACK
JACKSCREW = STAINLESS STEEL
SIGNAL CONTACT:
CLIP = BERYLLIUM COPPER
SHELL = BRASS
COAX CONTACT:
BODY = COPPER ALLOY
INNER CONTACT = BERYLLIUM COPPER
INSULATOR = PTFE
FINISH:
SIGNAL CONTACT:
CLIP = 0.3µ GOLD
SHELL = 3.5-5.0µ 90/10 TIN/LEAD
COAX CONTACT:
BODY, INNER CONTACT = GOLD
ELECTRICAL:
CURRENT RATING AT 25°C = 3.0A MAX
CURRENT RATING AT 85°C = 2.2A MAX
WORKING VOLTAGE = 120V AC/DC
VOLTAGE PROOF = 360V AC/DC
CONTACT RESISTANCE = 25 mΩ MAX
INSULATION RESISTANCE = 100 MΩ MIN
COAX CONTACT:
FREQUENCY RANGE = 6GHz
IMPEDANCE = 50Ω
V.S.W.R. = 1.05 + (0.04 x FREQUENCY) GHz MAX
CONTACT RESISTANCE = 6mΩ MAX
INSULATION RESISTANCE = 10⁶ MΩ @250V AC
OPERATING VOLTAGE = 180V AC @ 500mA
MAXIMUM VOLTAGE = 1,000V AC
MECHANICAL:
DURABILITY = 500 OPERATIONS
SIGNAL CONTACT:
INSERTION FORCE = 2.8N MAX
WITHDRAWAL FORCE = 0.2N MIN
COAX CONTACT:
INSERTION FORCE = 5N 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)

SM	I	22.10.10	10806
NAME	ISS.	DATE	C/NOTE
APPROVED: S. MCCULLAGH			
CHECKED: R. ADDE			
DRAWN: B. M. KENT			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

HARWIN USA
TEL: 603 893 5376
FAX: 603 893 5396
mis@harwin.com

HARWIN Europe (UK)
TEL: 023 9231 4545
FAX: 023 9231 4590
mis@harwin.co.uk

HARWIN Asia
TEL: +65 6 779 4909
FAX: +65 6 779 3868
mis@harwin.com.sg

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 = ±0.25mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

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

TITLE: JACKSCREW DATAMATE
MIXED TECHNOLOGY VERTICAL
PC TAIL FEMALE ASSEMBLY
DRAWING NUMBER:
M80-4T110F1-03-301

SHT
2 OF 2