

Customer Information Sheet

DRAWING No.: M80-5T10422M1-01-311-01-311

SHEET 2 OF 2

IF IN DOUBT - ASK

(C)

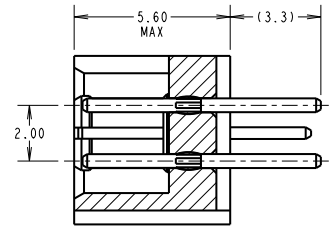
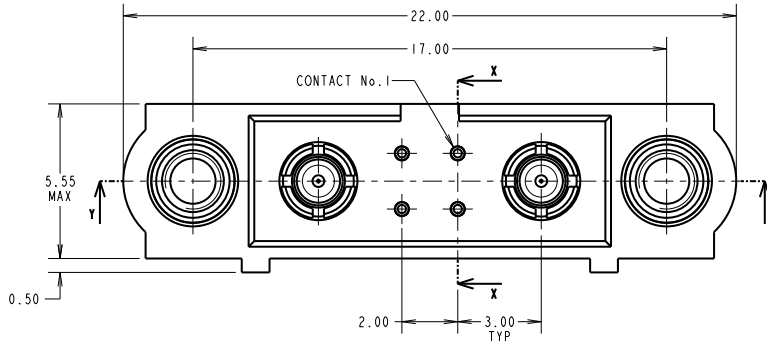
NOT TO SCALE

THIRD ANGLE PROJECTION

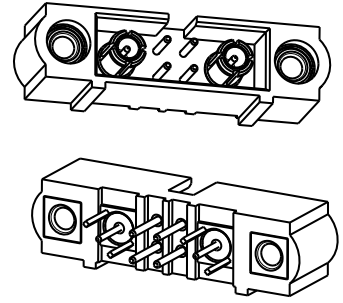
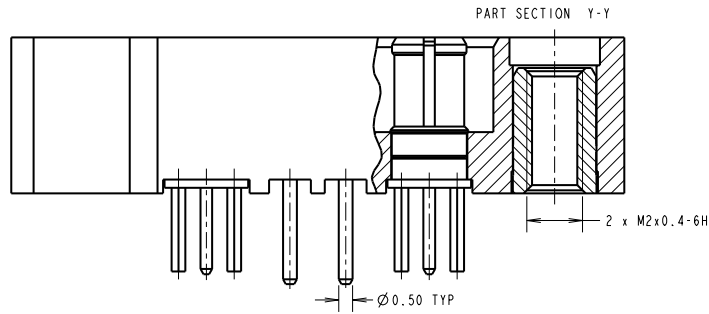
ALL DIMENSIONS IN mm

SPECIFICATIONS:

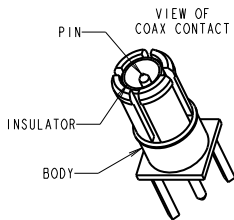
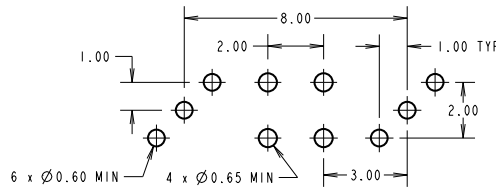
MATERIAL:
 MOULDING: GLASS FILLED PPS, UL94V-0, BLACK
 SIGNAL CONTACT: PHOSPHOR BRONZE
 COAX CONTACT:
 BODY: COPPER ALLOY
 INNER CONTACT: PHOSPHOR BRONZE
 INSULATOR: PTFE
 JACKSCREW: STAINLESS STEEL
FINISH:
 SIGNAL CONTACT:
 0.75µm GOLD ON CONTACT AREA,
 3µm 90/10 TIN/LEAD ON TAILS
 COAX CONTACT: BODY, INNER CONTACT = GOLD
ELECTRICAL:
 WORKING VOLTAGE = 120V AC/DC
 VOLTAGE PROOF = 360V 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 = 10⁹Ω @250V AC
 OPERATING VOLTAGE = 180V AC @ 500mA
 MAXIMUM VOLTAGE = 1000V 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:
 TRAY
 FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)



SECTION X-X



RECOMMENDED PCB LAYOUT



SM	I	10_05_11	11249
NAME	ISS.	DATE	C/NOTE
APPROVED: S. MCCULLAGH			
CHECKED: M. G. PLESTED			
DRAWN: S. FLOWER			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN			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	TITLE: JACKSCREW DATAMATE MIXED TECHNOLOGY PC TAIL MALE ASSEMBLY
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		FINISH: SEE ABOVE	DRAWING NUMBER: M80-5T10422M1-01-311-01-311	SHT 2 OF 2