

Customer Information Sheet

DRAWING No.: M80-5L110M4-03-313

SHEET 2 OF 2

IF IN DOUBT - ASK

©

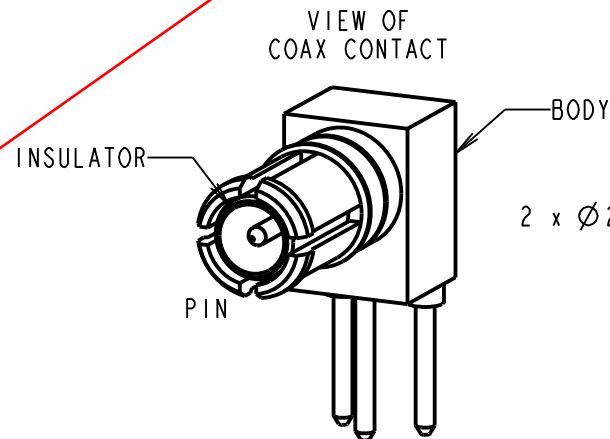
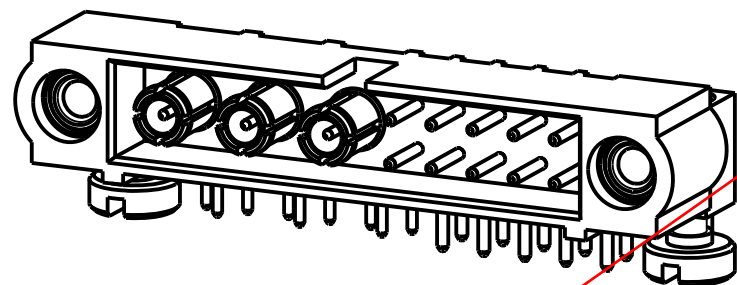
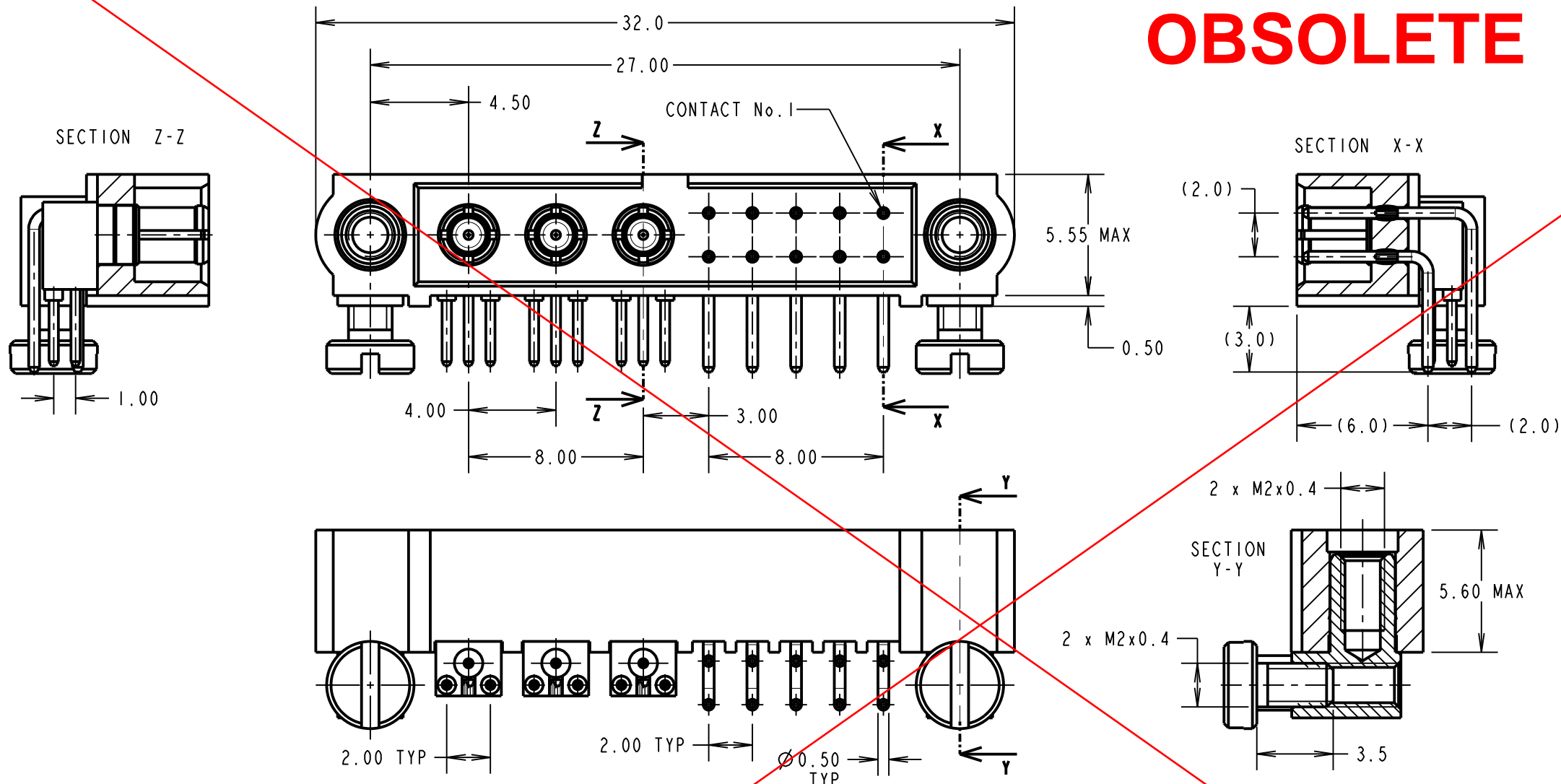
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

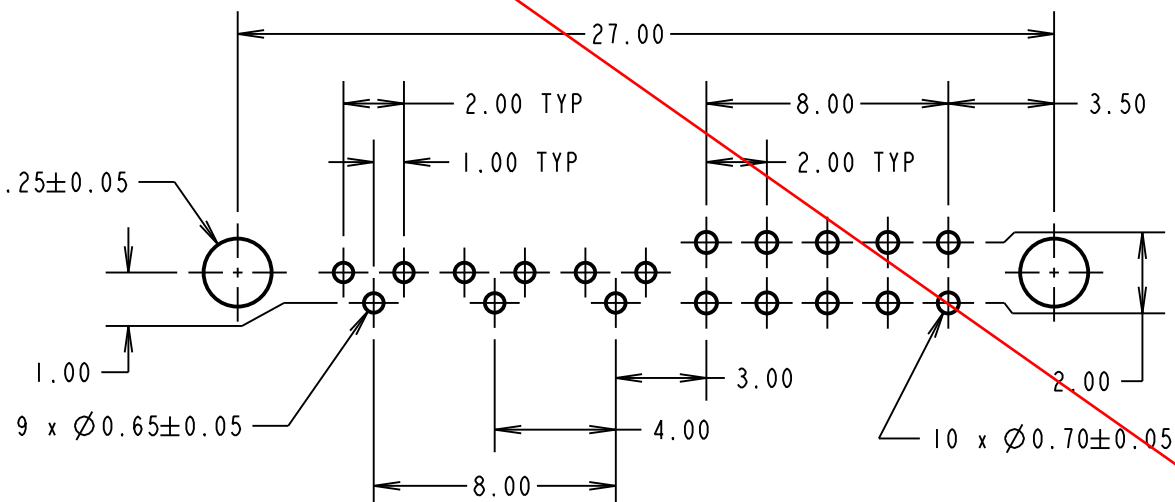
OBSOLETE

- SPECIFICATIONS:**
- MATERIAL:**
 MOULDING = GLASS-FILLED PPS, UL94V-0, BLACK
 SIGNAL PIN = PHOSPHOR BRONZE
 JACK & MOUNTING SCREW = STAINLESS STEEL
 COAX CONTACT:
 BODY = COPPER ALLOY
 PIN = PHOSPHOR BRONZE
 INSULATOR = PTFE
- FINISH:**
 SIGNAL PIN = 0.75µ GOLD ON CONTACT AREA,
 3µ 100% TIN OVER NICKEL ON TAILS
- COAX CONTACT:**
 BODY & PIN = GOLD
- ELECTRICAL:**
 SIGNAL CONTACT:
 CURRENT RATING AT 25°C = 3.0A MAX
 CURRENT RATING AT 85°C = 2.2A MAX
 CONTACT RESISTANCE = 25mΩ MAX
 COAX CONTACT:
 FREQUENCY RANGE = 6GHz
 IMPEDANCE = 50Ω
 V.S.W.R. = 1.05 + (0.04 x FREQUENCY) MAX
 CONTACT RESISTANCE = 6mΩ MAX
 INSULATION RESISTANCE = 10⁹ MΩ @250V AC
 OPERATING VOLTAGE = 180V AC @ 500mA
 MAXIMUM VOLTAGE = 1,000V AC
 WORKING VOLTAGE = 800V AC/DC
 VOLTAGE PROOF = 1200V AC/DC
 INSULATION RESISTANCE = 100MΩ MIN
- 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:**
 TRAY
- FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)



NOTES:
 1. CONNECTORS ARE SUPPLIED WITH SCREWS LOOSE.

RECOMMENDED PCB LAYOUT



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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: JACKSCREW DATAMATE MIXED TECHNOLOGY HORIZONTAL PC TAIL MALE ASSEMBLY
DRAWING NUMBER: M80-5L110M4-03-313
 SHT 2 OF 2

LS	2	13.10.17	13296
NAME	ISS.	DATE	C/NOTE
APPROVED: LS			
CHECKED: SB			
DRAWN: B. M. KENT			
CUSTOMER REF.:			
ASSEMBLY DRG:			