Customer Information Sheet

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:
  0.75µ GOLD ON CONTACT AREA,
  3µ 90/10 TIN/LEAD 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 = 25mΩ MAX
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 = 10^6MΩ @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:
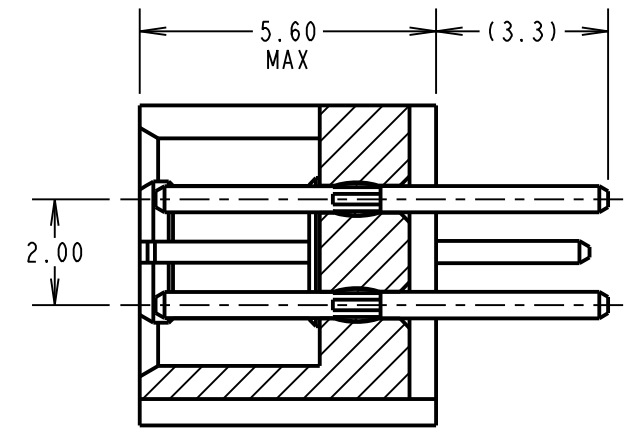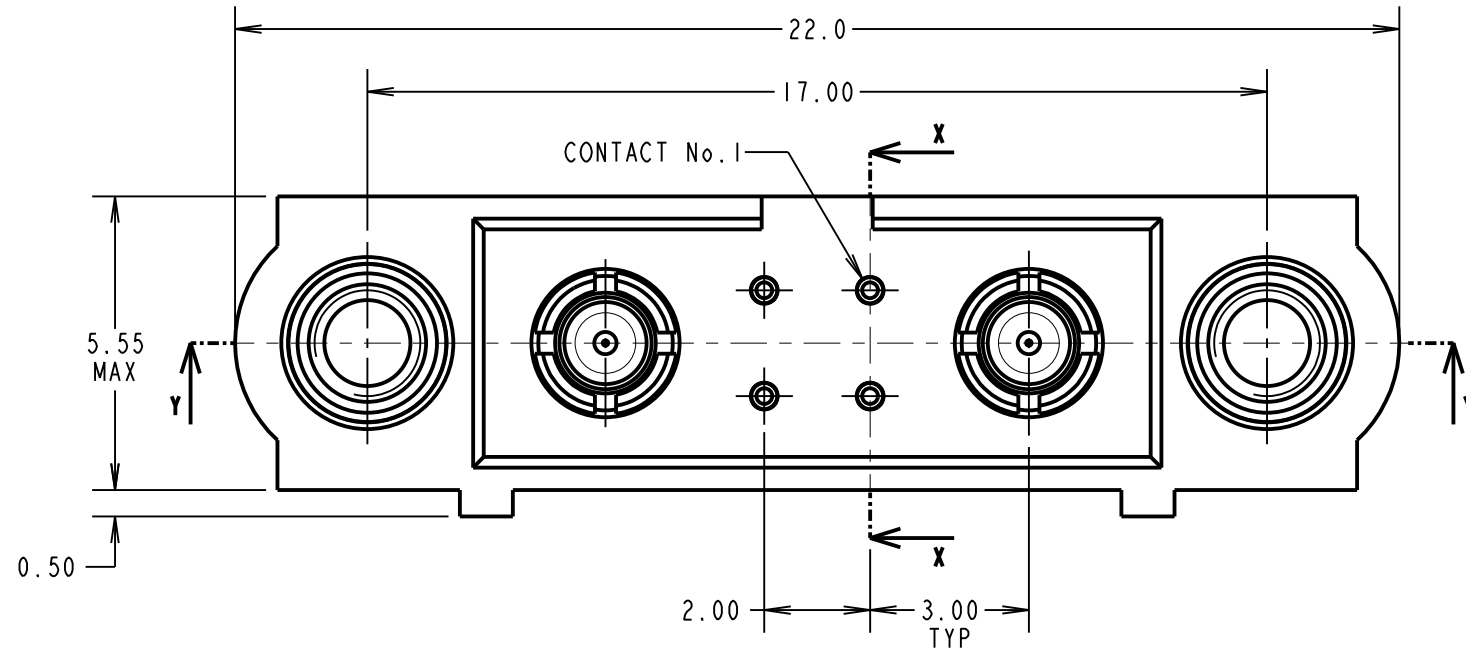 INSERTION FORCE = 8.0N MAX
  WITHDRAWAL FORCE = 0.5N MIN

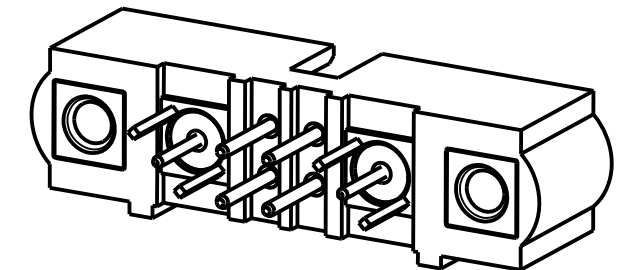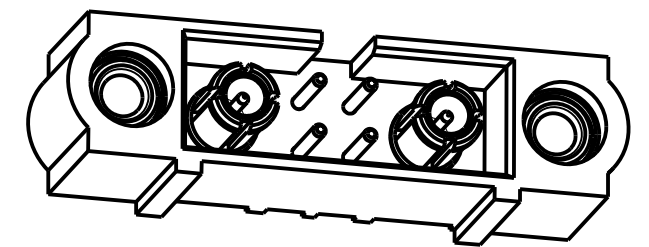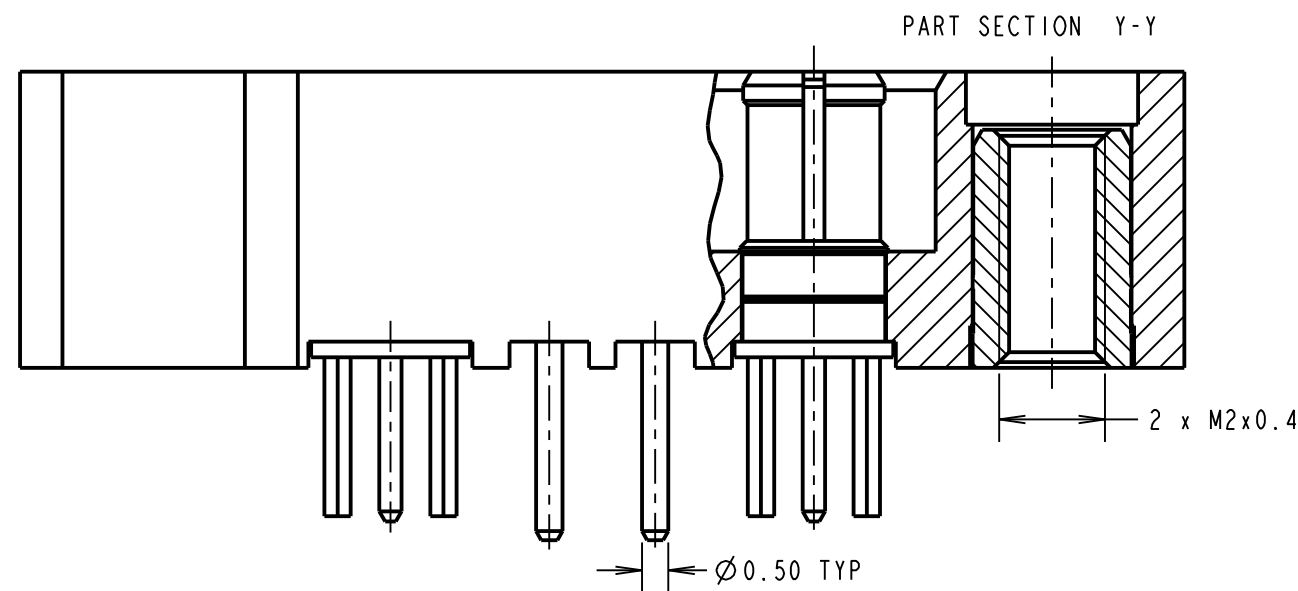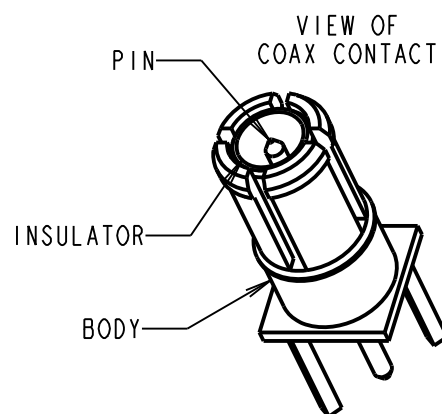**ENVIRONMENTAL:**
TEMPERATURE RANGE = -55°C TO +125°C

PACKING:
TRAY

FOR COMPLETE SPECIFICATION SEE COMPONENT
SPECIFICATION C005XX (LATEST ISSUE)

22.0
17.00
CONTACT No.1
5.55 MAX
0.50
2.00
3.00 TYP

SECTION X-X
5.60 MAX
(3.3)
2.00

PART SECTION Y-Y
2 x M2x0.4

RECOMMENDED PCB LAYOUT
Ø0.50 TYP

VIEW OF COAX CONTACT
PIN
INSULATOR
BODY

8.00
2.00
1.00 TYP
1.00
2.00
6 x Ø0.65±0.05
4 x Ø0.70±0.05
3.00

HARWIN
www.harwin.com
technical@harwin.com

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 PC TAIL MALE ASSEMBLY

DRAWING NUMBER:
M80-5T10422M1-01-311-01-311

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