# Customer Information Sheet

## SPECIFICATIONS:

**MATERIAL:**
MOULDING: GLASS FILLED PPS, UL94V-0, BLACK
SIGNAL CONTACT: PHOSPHOR BRONZE
POWER CONTACT: COPPER ALLOY
JACKSCREW: STAINLESS STEEL

**FINISH:**
SIGNAL CONTACT:
 0.75µ GOLD ON CONTACT AREA,
 3µ 90/10 TIN/LEAD ON TAILS
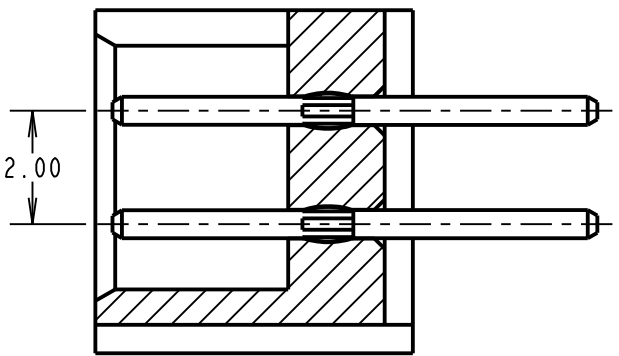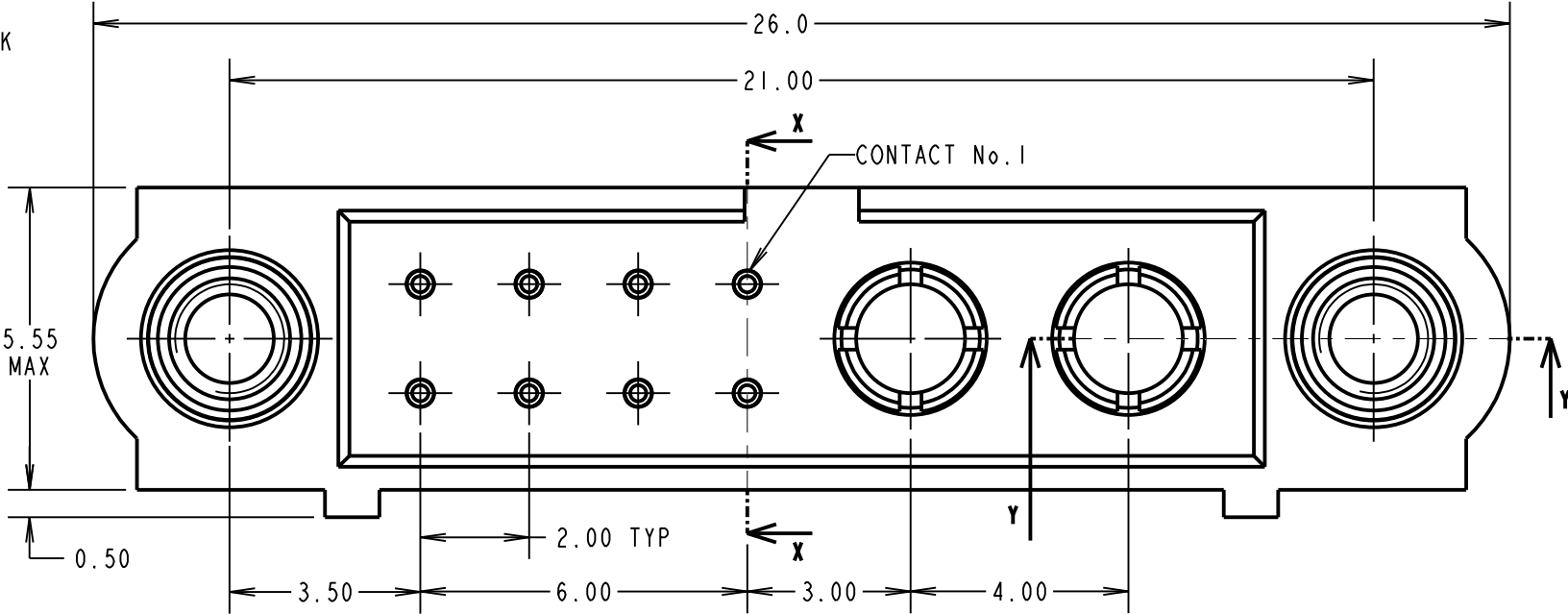POWER CONTACT: GOLD

**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
POWER CONTACT:
 CONTACT RESISTANCE 6mΩ MAX
 CURRENT RATING = 20A MAX

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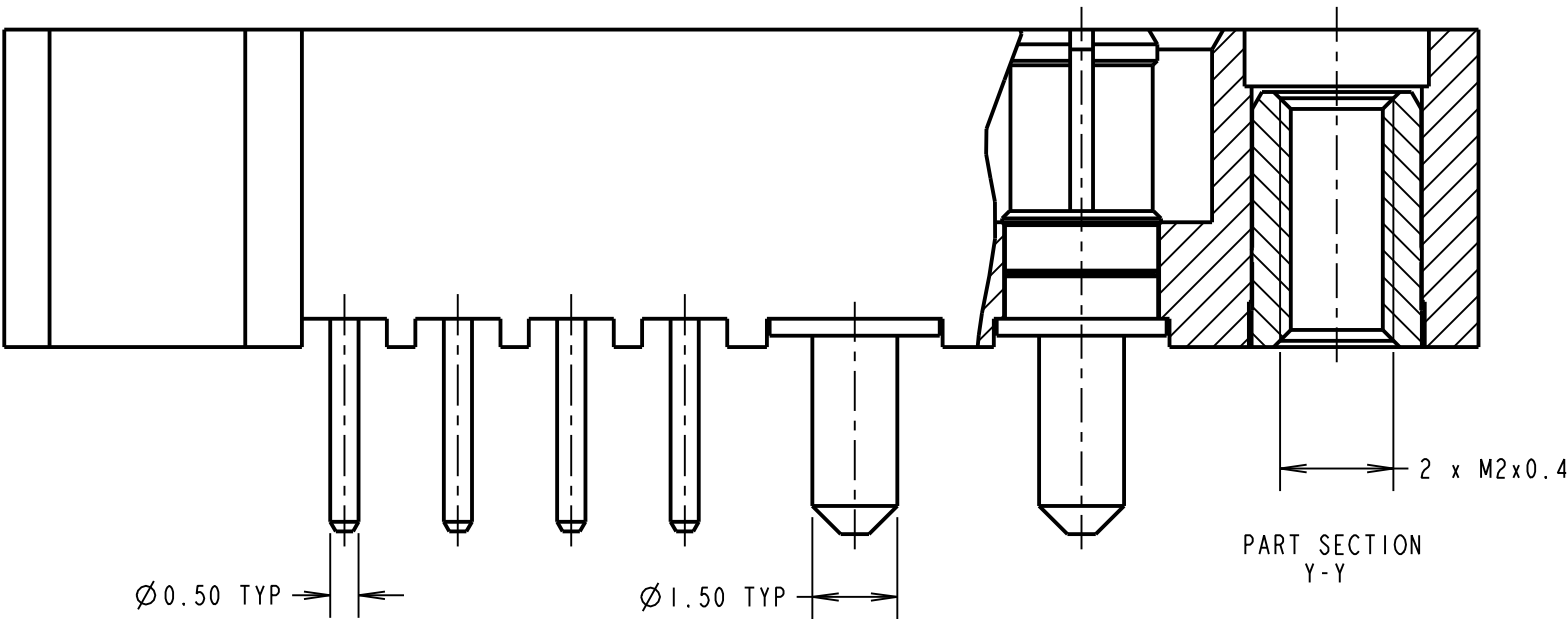 WITHDRAWAL FORCE = 0.5N MIN

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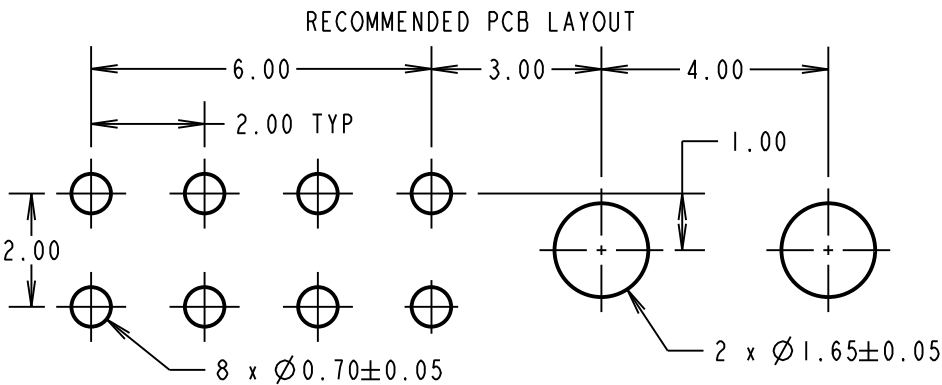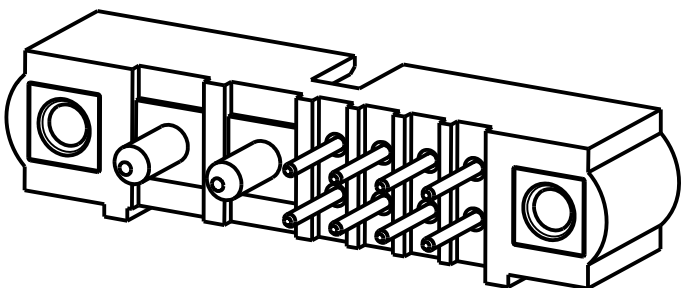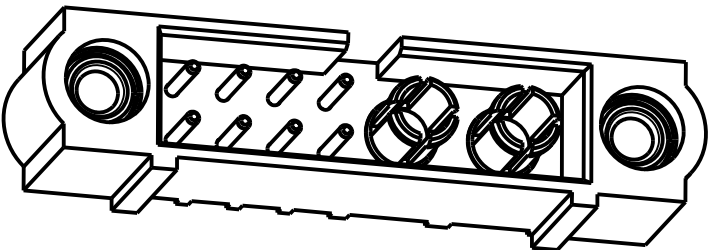TEMPERATURE RANGE = -55°C TO +125°C

**PACKING:**
TUBE

FOR COMPLETE SPECIFICATION SEE COMPONENT
SPECIFICATION C005XX (LATEST ISSUE)



CONTACT No.1

26.0
21.00
5.55 MAX
0.50
2.00 TYP
3.50
6.00
3.00
4.00

SECTION X-X
2.00

Ø0.50 TYP
Ø1.50 TYP
2 x M2x0.4

PART SECTION Y-Y

5.60 MAX
(3.3)

## RECOMMENDED PCB LAYOUT

6.00
3.00
4.00
2.00 TYP
2.00
1.00
8 x Ø0.70±0.05
2 x Ø1.65±0.05

# HARWiN

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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 PC TAIL MALE ASSEMBLY

DRAWING NUMBER: M80-5TI0822MI-02-331-00-000

SHT 2 OF 2

# Mouser Electronics

Authorized Distributor

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