

# Customer Information Sheet

DRAWING No.: M80-5T10422MI-02-331-00-000

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

POWER CONTACT: COPPER ALLOY

JACKSCREW: STAINLESS STEEL

### FINISH:

SIGNAL CONTACT:

0.75 $\mu$  GOLD ON CONTACT AREA,  
3 $\mu$  90/10 TIN/LEAD ON TAILS

POWER CONTACT: GOLD

### ELECTRICAL:

WORKING VOLTAGE = 120V AC/DC

VOLTAGE PROOF = 360V AC/DC

INSULATION RESISTANCE = 100M $\Omega$  MIN

### SIGNAL CONTACT:

CURRENT RATING AT 25°C = 3.0A MAX

CURRENT RATING AT 85°C = 2.2A MAX

CONTACT RESISTANCE = 25 m $\Omega$  MAX

### POWER CONTACT:

CONTACT RESISTANCE 6 m $\Omega$  MAX

CURRENT RATING = 20A MAX

### MECHANICAL:

DURABILITY = 500 OPERATIONS

### SIGNAL CONTACT:

INSERTION FORCE = 2.8N MAX

WITHDRAWAL FORCE = 0.2N MIN

### POWER CONTACT:

INSERTION FORCE = 5N MAX

WITHDRAWAL FORCE = 0.5N MIN

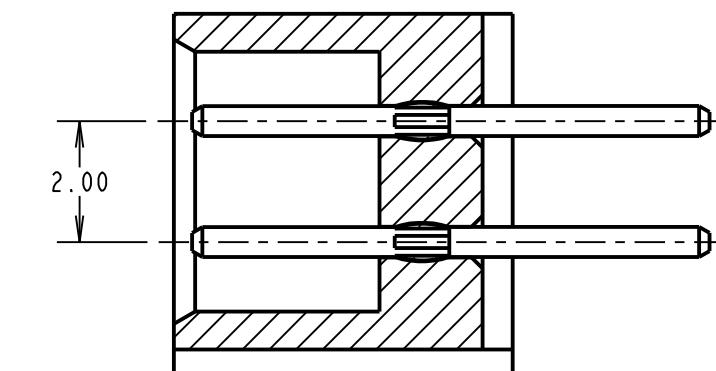
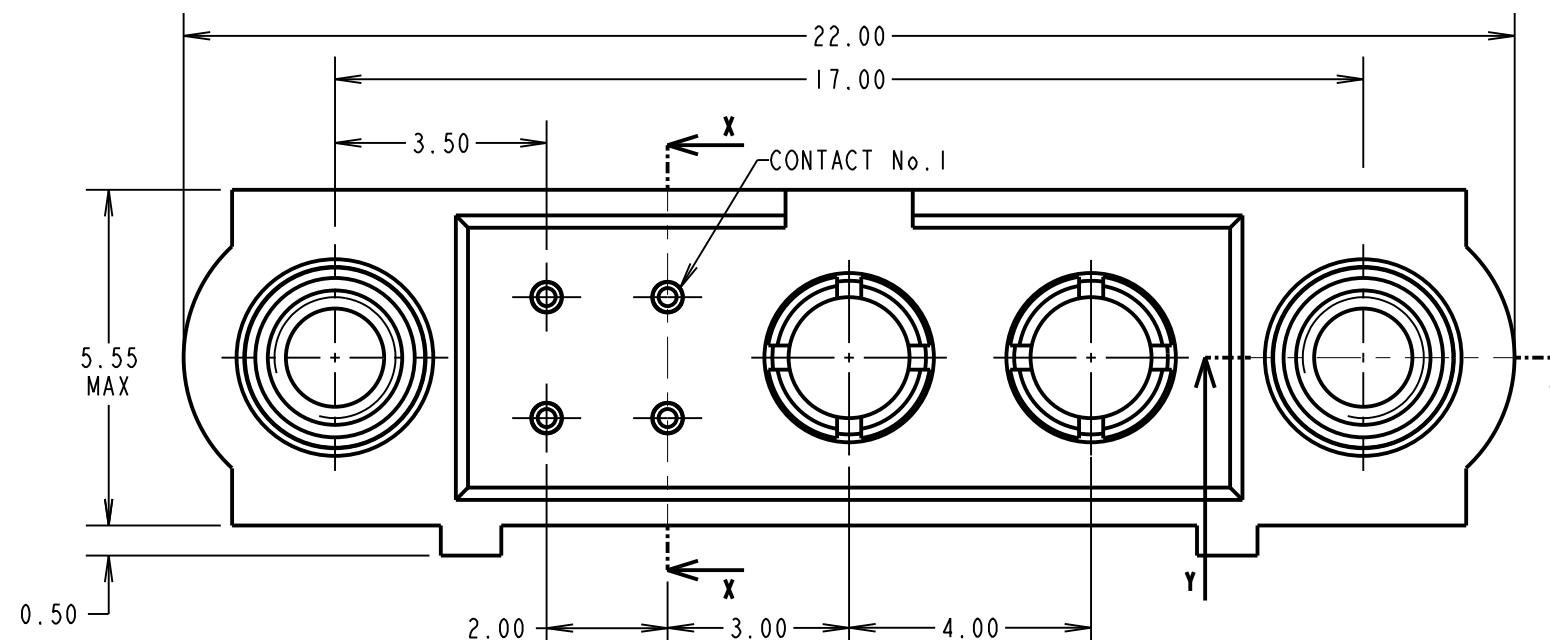
### ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

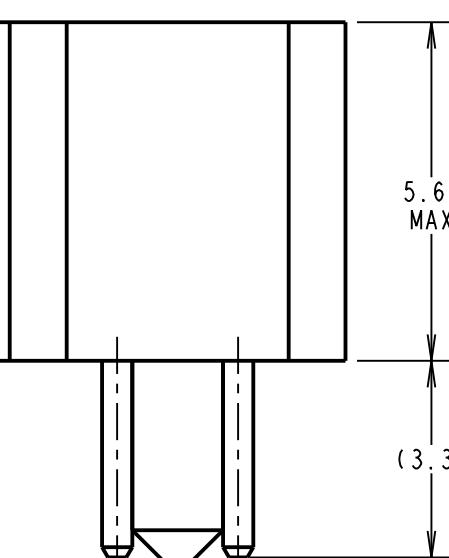
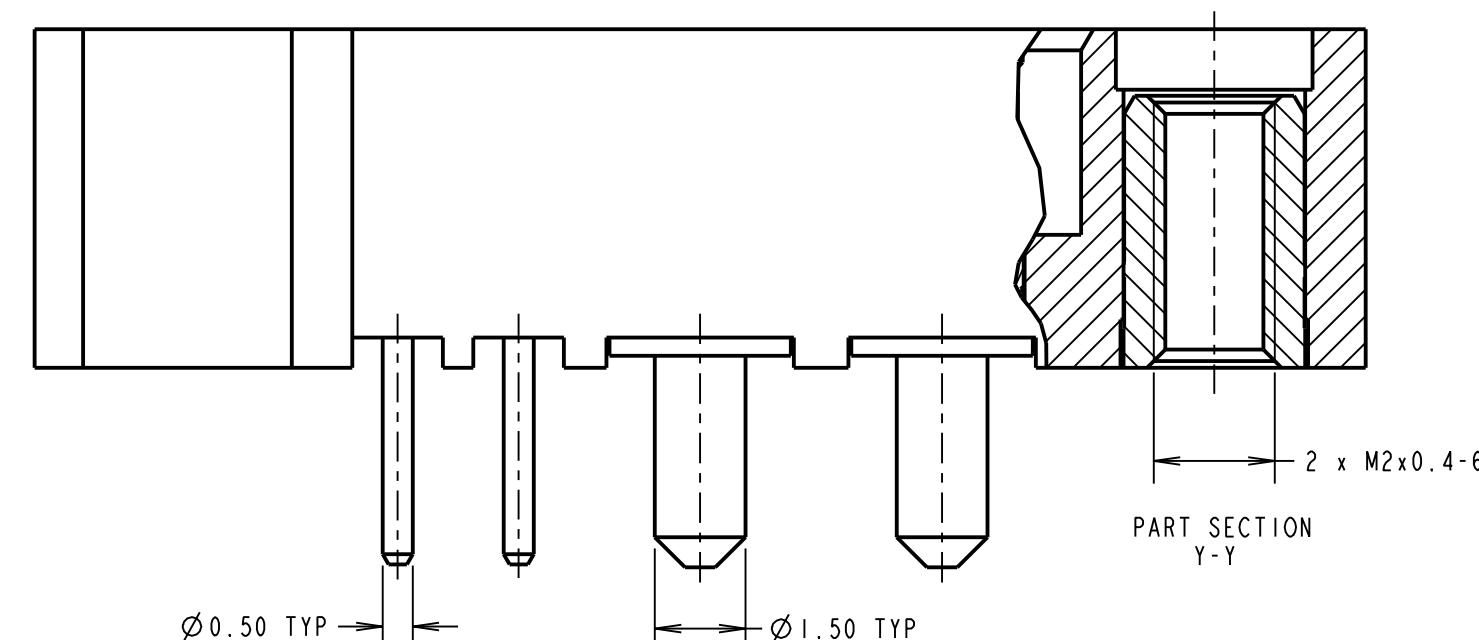
### PACKING:

TUBE

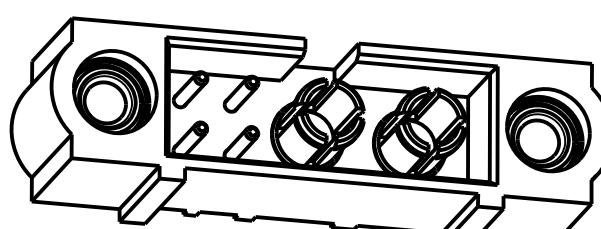
FOR COMPLETE SPECIFICATION SEE COMPONENT  
SPECIFICATION C005XX (LATEST ISSUE)



SECTION X-X



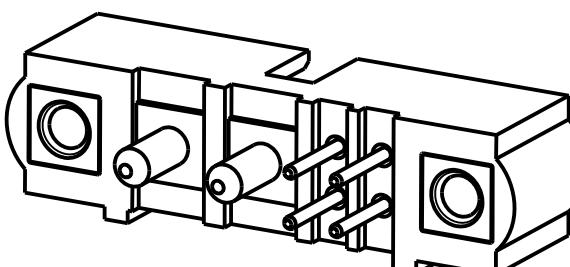
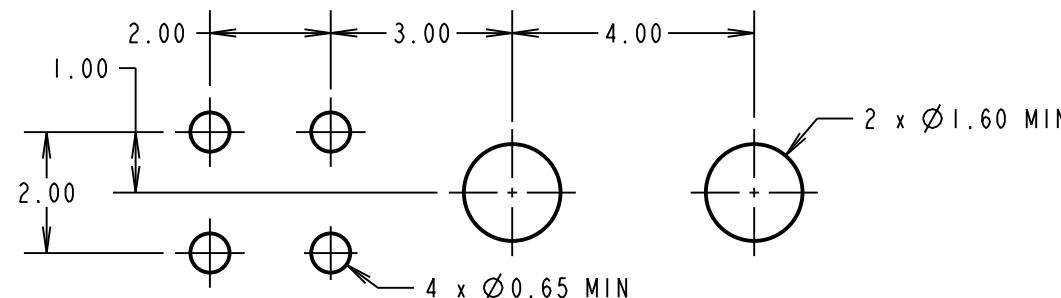
PART SECTION  
Y-Y



Ø 0.50 TYP

Ø 1.50 TYP

### RECOMMENDED PCB LAYOUT



**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

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TOLERANCES  
X. =  $\pm 1$ mm  
X.X =  $\pm 0.25$ mm  
X.XX =  $\pm 0.10$ mm  
X.XXX =  $\pm 0.01$ mm  
ANGLES =  $\pm 5^\circ$   
UNLESS STATED

MATERIAL:  
SEE ABOVE  
FINISH: SEE ABOVE  
S/AREA: mm<sup>2</sup>

TITLE: JACKSCREW DATAMATE  
MIXED TECHNOLOGY  
PC TAIL MALE ASSEMBLY  
DRAWING NUMBER: M80-5T10422MI-02-331-00-000  
SHT 2 OF 2

|                        |      |          |        |
|------------------------|------|----------|--------|
| SM                     | I    | 10.05.11 | 11249  |
| NAME                   | ISS. | DATE     | C/NOTE |
| APPROVED: S. MCCULLAGH |      |          |        |
| CHECKED: M. G. PLESTED |      |          |        |
| DRAWN: R. ADDE         |      |          |        |
| CUSTOMER REF.:         |      |          |        |

ASSEMBLY DRG:

# Mouser Electronics

Authorized Distributor

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