

# Customer Information Sheet

DRAWING No.: M80-405XXXX

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  
CONTACT CLIP = BERYLLIUM COPPER  
CONTACT SHELL = BRASS  
JACKSCREW = STAINLESS STEEL

### FINISH:

01 = 0.3µ GOLD CLIP, 3.5-5.0µ TIN/LEAD SHELL  
05 = 0.3µ GOLD CLIP, 0.25-0.3µ GOLD SHELL  
42 = 0.3µ GOLD CLIP,  
3.5-5.0µ 100% TIN OVER NICKEL SHELL

### ELECTRICAL:

CURRENT RATING AT 25°C = 3.0A MAX  
CURRENT RATING AT 85°C = 2.2A MAX  
WORKING VOLTAGE = 800V AC/DC  
VOLTAGE PROOF = 1200V AC/DC  
CONTACT RESISTANCE = 25 mΩ MAX  
INSULATION RESISTANCE = 100 MΩ MIN

### MECHANICAL:

DURABILITY = 500 OPERATIONS  
INSERTION FORCE (Ø0.5mm GAUGE) = 2.8N MAX  
WITHDRAWAL FORCE (Ø0.5mm GAUGE) = 0.2N MIN

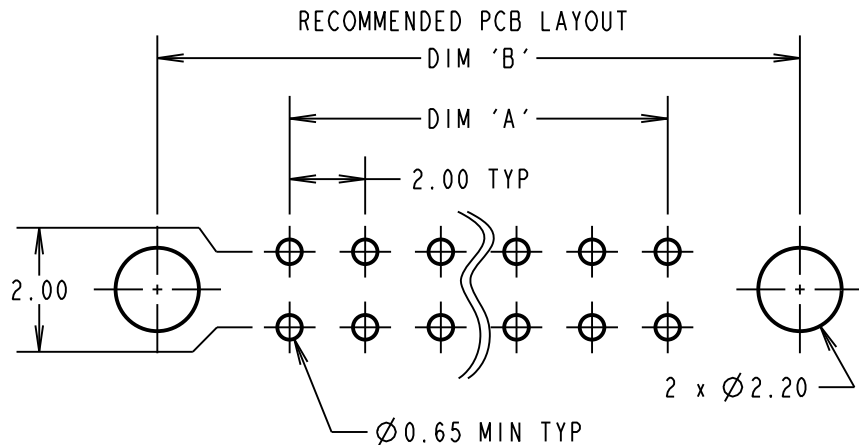
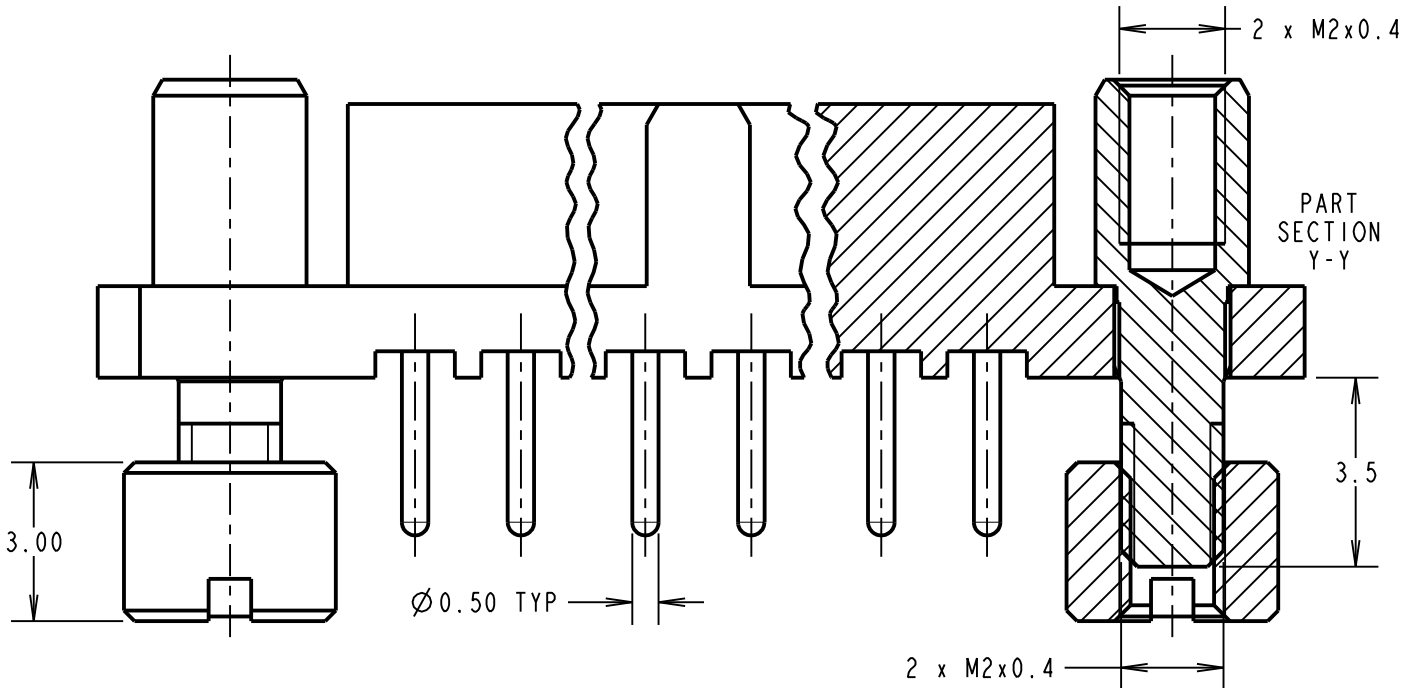
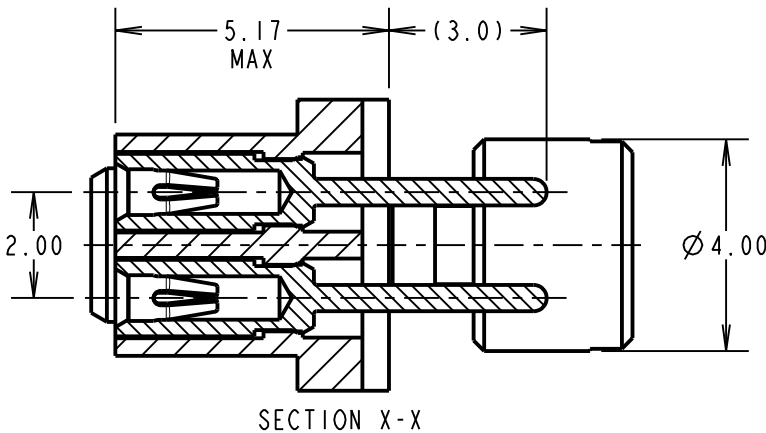
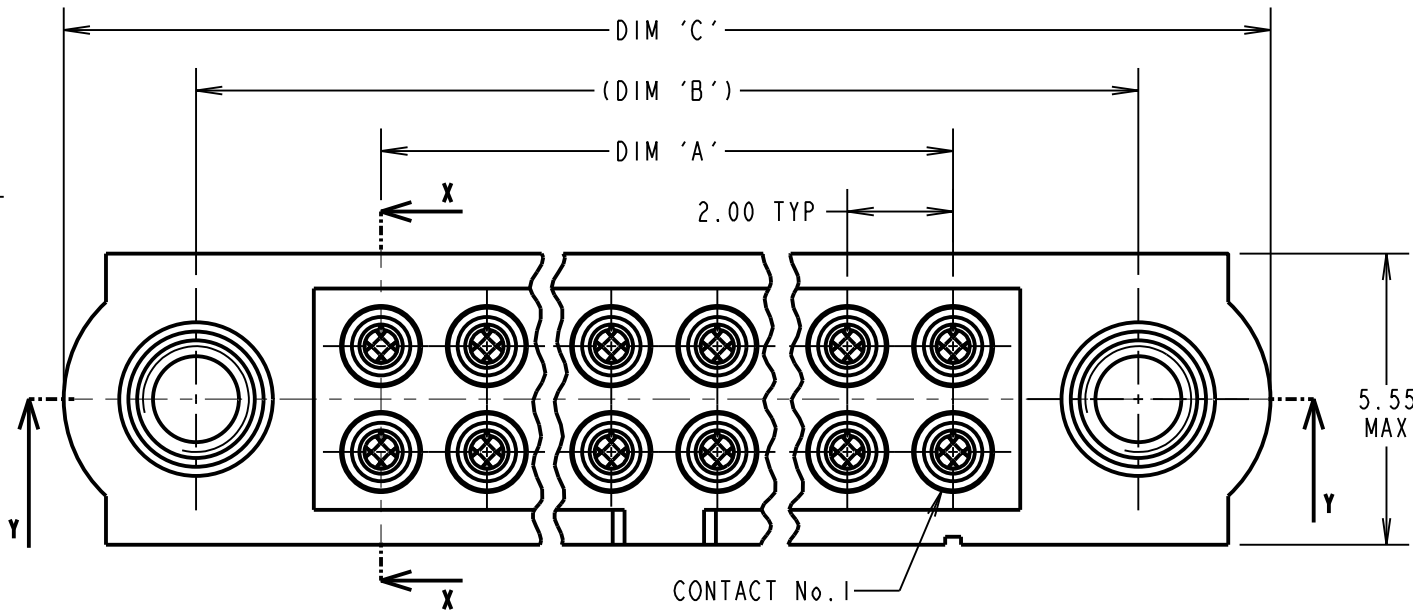
### ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

### PACKING:

TUBE

FOR COMPLETE SPECIFICATION, SEE COMPONENT  
SPECIFICATION C005XX (LATEST ISSUE)



| DIMENSION                                                                         | CALCULATION                |
|-----------------------------------------------------------------------------------|----------------------------|
| DIM 'A'                                                                           | TOTAL No. OF CONTACTS - 2  |
| DIM 'B'                                                                           | TOTAL No. OF CONTACTS + 5  |
| DIM 'C'                                                                           | TOTAL No. OF CONTACTS + 10 |
| EXAMPLE: CONNECTOR WITH 20 CONTACTS, GOLD CLIP<br>AND 100% TIN SHELL, M80-4052042 |                            |
| DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm                           |                            |

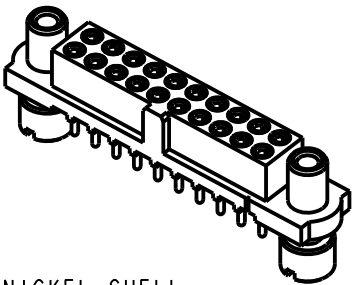
ORDER CODE:

**M80-405XXXX**

TOTAL No. OF CONTACTS  
04 TO 50  
(EVEN NUMBERS ONLY)

FINISH CODE

01 - GOLD CLIP, TIN/LEAD SHELL  
05 - GOLD CLIP, GOLD SHELL  
42 - GOLD CLIP, 100% TIN OVER NICKEL SHELL



|                     |      |          |        |
|---------------------|------|----------|--------|
| SB                  | 2    | 15.07.13 | 12139  |
| NAME                | ISS. | DATE     | C/NOTE |
| APPROVED: S.BENNETT |      |          |        |
| CHECKED: S.FLOWER   |      |          |        |
| DRAWN: B. M. KENT   |      |          |        |
| CUSTOMER REF.:      |      |          |        |
| ASSEMBLY DRG:       |      |          |        |

**HARWIN**

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### TOLERANCES

X. = ±1mm  
X.X = ±0.25mm  
X.XX = ±0.10mm  
X.XXX = ±0.01mm  
ANGLES = ±5°  
UNLESS STATED

### MATERIAL:

SEE ABOVE

FINISH: SEE ABOVE

S/AREA:

mm<sup>2</sup>

TITLE: JACKSCREW DATAMATE  
DIL VERTICAL PC-TAIL FEMALE  
'REVERSE FIX' AND BOARD-MOUNT

DRAWING NUMBER:

**M80-405XXXX**

SHT  
2 OF 2

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Harwin:

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