

# Customer Information Sheet

DRAWING No.: M80-420XXX

SHEET 2 OF 2

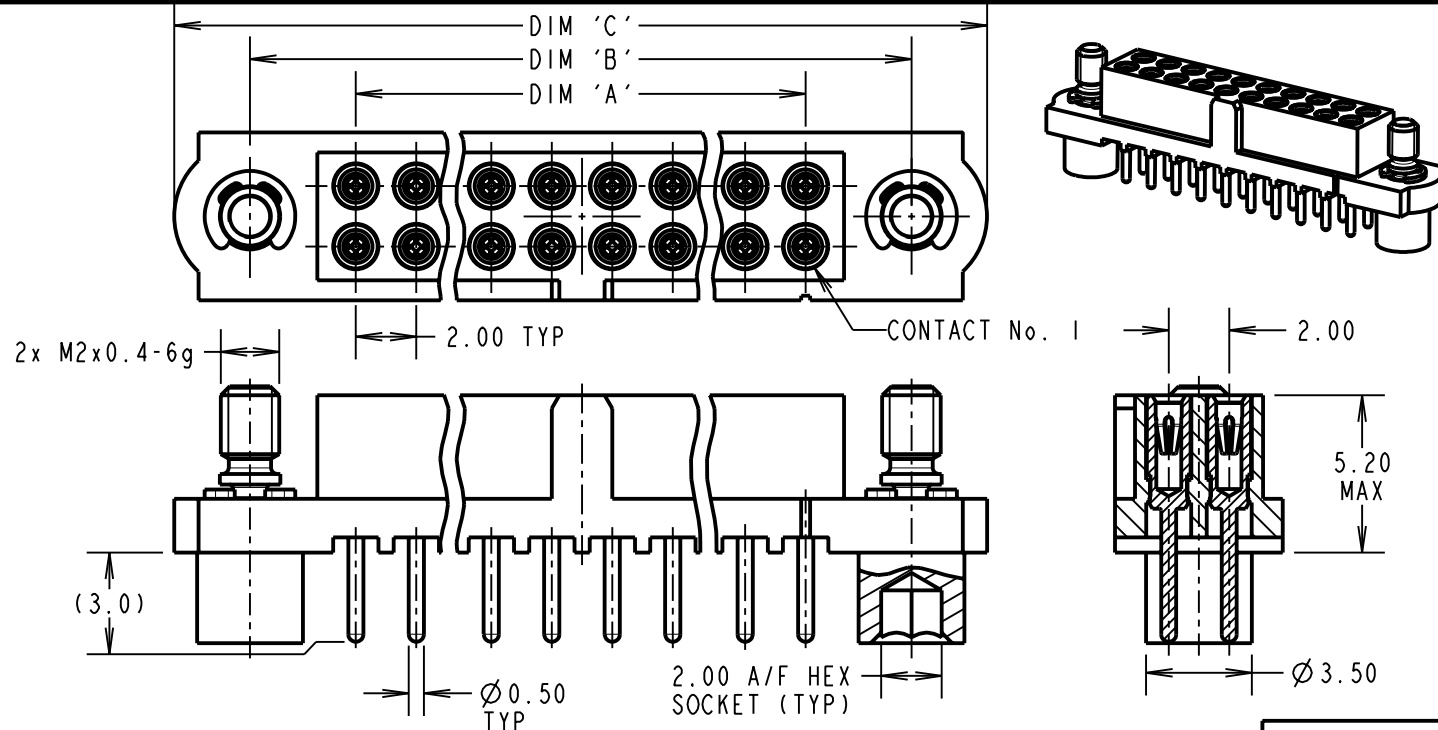
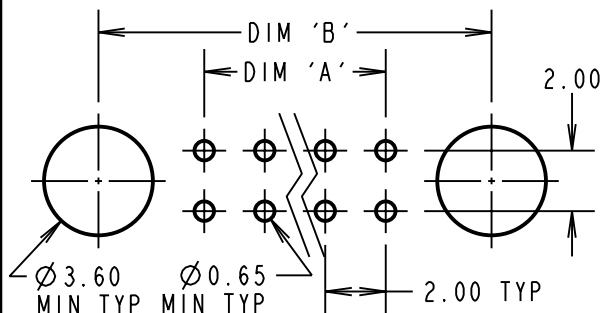
IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

RECOMMENDED  
PCB LAYOUT

| 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,<br>GOLD CLIP AND 100% TIN OVER NICKEL SHELL:<br>M80-4122042 |                            |
| DIM 'A' = 18.00mm, DIM 'B' = 25.00mm,<br>DIM 'C' = 30.00mm                                       |                            |

ORDER CODE:

**M80-420XXX**TOTAL No. OF CONTACTS  
04 TO 50  
(EVEN NUMBERS ONLY)

FINISH

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

## SPECIFICATIONS:

## MATERIAL:

MOULDING = GLASS-FILLED PPS, UL94V-0, BLACK  
CONTACT CLIP = BERYLLIUM COPPER  
CONTACT SHELL = BRASS  
JACKSCREW, CIRCLIP = STAINLESS STEEL

## FINISH:

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

## ELECTRICAL:

CURRENT RATING AT 25°C = 3.0A MAX  
CURRENT RATING AT 85°C = 2.2A MAX  
WORKING VOLTAGE = 120V AC/DC  
VOLTAGE PROOF = 360V 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)

|                     |      |          |        |
|---------------------|------|----------|--------|
| CP                  | I    | 31.08.10 | 10870  |
| NAME                | ISS. | DATE     | C/NOTE |
| APPROVED: C.PENROSE |      |          |        |
| CHECKED: R.ADDE     |      |          |        |
| DRAWN: W. J. BOURNE |      |          |        |
| CUSTOMER REF.:      |      |          |        |
| ASSEMBLY DRG:       |      |          |        |

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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 ASSEMBLY

DRAWING NUMBER:

**M80-420XXX**SHT  
2 OF 2

# Mouser Electronics

Authorized Distributor

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Harwin:

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