

# Customer Information Sheet

DRAWING No.: M80-510XXXX

SHEET 2 OF 2

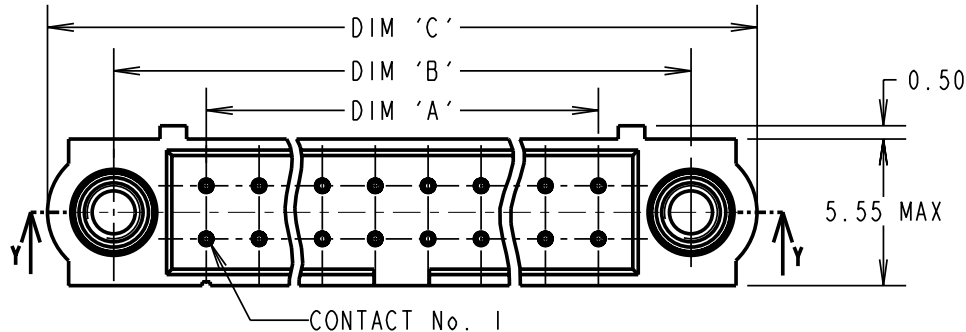
IF IN DOUBT - ASK

C

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



ORDER CODE:

**M80-510XXXX**No. OF CONTACTS  
04 TO 50  
(EVEN NUMBERS ONLY)FINISH  
22 - SELECTIVE GOLD + TIN/LEAD  
42 - SELECTIVE GOLD + 100% TIN

## SPECIFICATIONS:

## MATERIAL:

MOULDING = GLASS-FILLED PPS,  
UL94V-0, BLACK

CONTACT = PHOSPHOR BRONZE

JACKSCREW = STAINLESS STEEL

## FINISH (CONTACTS):

22 = 0.75µ GOLD ON CONTACT AREA,  
3µ 90/10 TIN/LEAD ON TAILS42 = 0.75µ GOLD ON CONTACT AREA,  
3µ 100% TIN ON TAILS

## 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

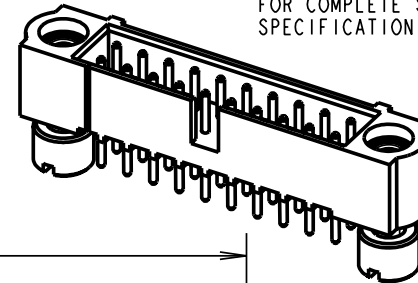
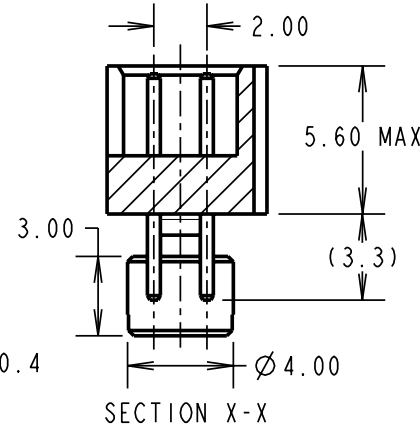
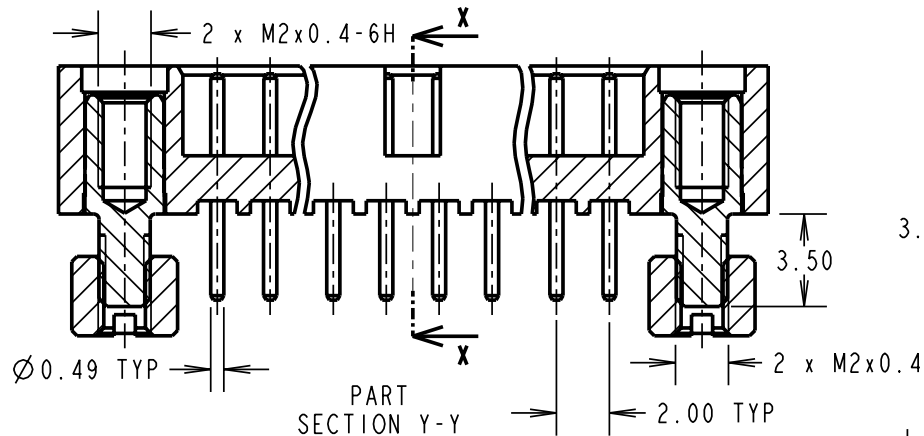
## MECHANICAL:

DURABILITY = 500 OPERATIONS

## ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

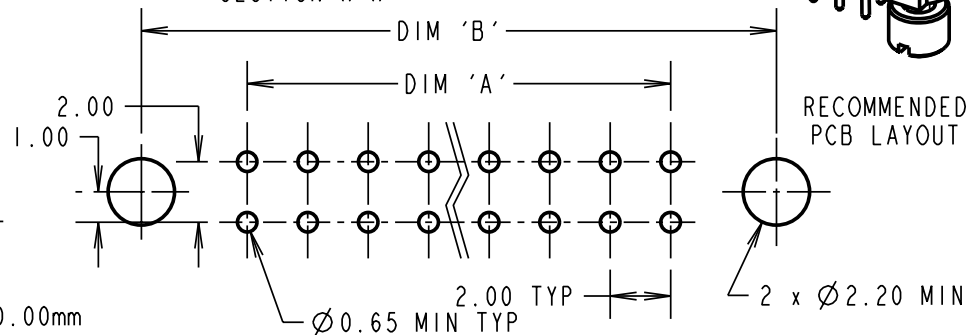
PACKING: TUBE

FOR COMPLETE SPECIFICATION, SEE COMPONENT  
SPECIFICATION C005XX (LATEST ISSUE)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, GOLD ON CONTACT  
AREA AND 100% TIN ON TAIL, M80-5102042

DIM 'A' = 18.00mm DIM 'B' = 25.00mm DIM 'C' = 30.00mm

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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  
MALE ASSEMBLY (BOARD MOUNT)

DRAWING NUMBER:

**M80-510XXXX**SHT  
2  
OF 2

|                       |      |          |        |
|-----------------------|------|----------|--------|
| RA                    | G    | 01.04.08 | 9985   |
| NAME                  | ISS. | DATE     | C/NOTE |
| APPROVED: R. ADDE     |      |          |        |
| CHECKED: M.G. PLESTED |      |          |        |
| DRAWN: W. J. BOURNE   |      |          |        |
| CUSTOMER REF.:        |      |          |        |
| ASSEMBLY DRG:         |      |          |        |