

# Customer Information Sheet

DRAWING No.: M80-561XXXX

SHEET 2 OF 2

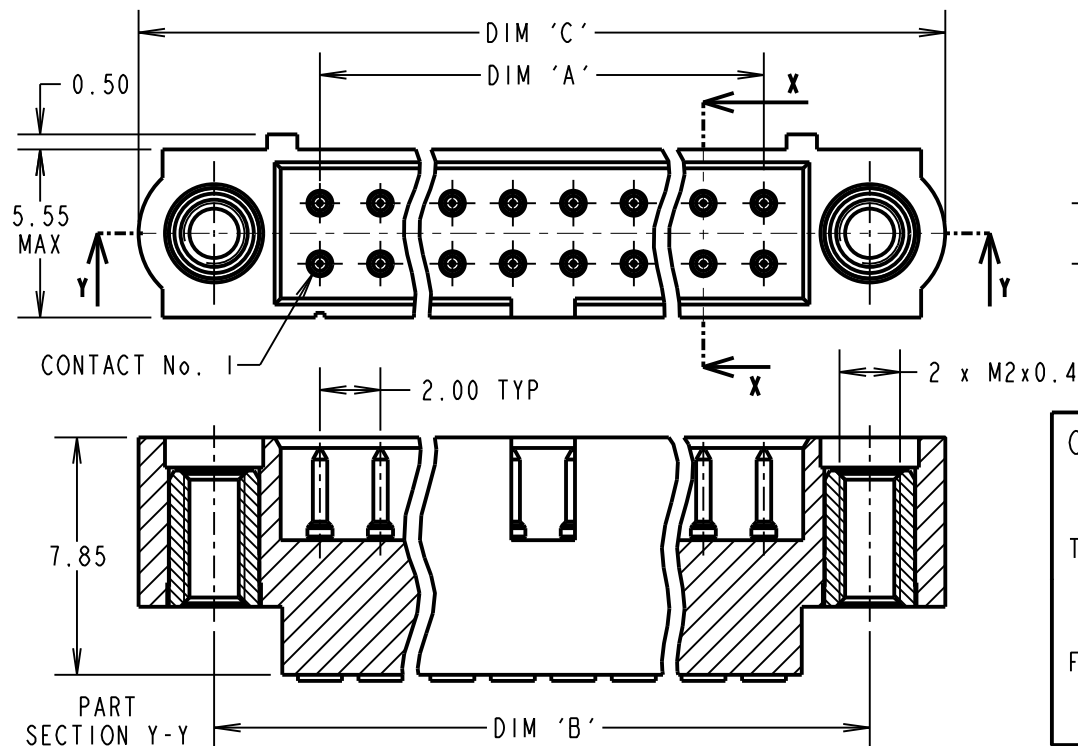
IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



## SPECIFICATIONS:

## MATERIAL:

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

CONTACT = COPPER ALLOY

JACKSCREW = STAINLESS STEEL

## FINISH:

05 = 0.25-0.3µ GOLD

## 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 = 25mΩ MAX

INSULATION RESISTANCE = 100MΩ MIN

## MECHANICAL:

DURABILITY = 500 OPERATIONS

## ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

## PACKING:

LOOSE

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

## ORDER CODE:

**M80-561XXXX**

TOTAL No. OF CONTACTS

04 TO 50

(EVEN NUMBERS ONLY)

FINISH

05 - GOLD

## NOTES:

- CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.
- FOR EXTRA CONTACTS, USE PART NUMBER M80-1950005 FOR M80-561XX05.
- RECOMMENDED WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 24-28 AWG. MAX INSULATION DIAMETER = Ø1.10mm, STRIP WIRE BY 2.00mm.
- RECOMMENDED HAND CRIMP TOOL = M22520/2-01 WITH POSITIONER Z80-193. REFER TO INSTRUCTION SHEET IS-01 FOR COMPLETE CRIMPING INSTRUCTIONS.
- CONTACT INSERTION AND EXTRACTION TOOL = Z80-280. REFER TO INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.

| 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, ALL OVER GOLD<br>M80-5612005 |                            |
| DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm           |                            |

|                       |      |          |        |
|-----------------------|------|----------|--------|
| SM                    | 2    | 01.08.11 | 11389  |
| NAME                  | ISS. | DATE     | C/NOTE |
| APPROVED: S.McCULLAGH |      |          |        |
| CHECKED: M.G.PLESTED  |      |          |        |
| DRAWN: W. J. BOURNE   |      |          |        |
| 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 CRIMP (SMALL BORE)  
MALE ASSEMBLY

DRAWING NUMBER:

**M80-561XXXX**SHT  
2 OF 2

# Mouser Electronics

Authorized Distributor

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Harwin:

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