

# Customer Information Sheet

DRAWING No.: M80-530XXX

SHEET 2 OF 2

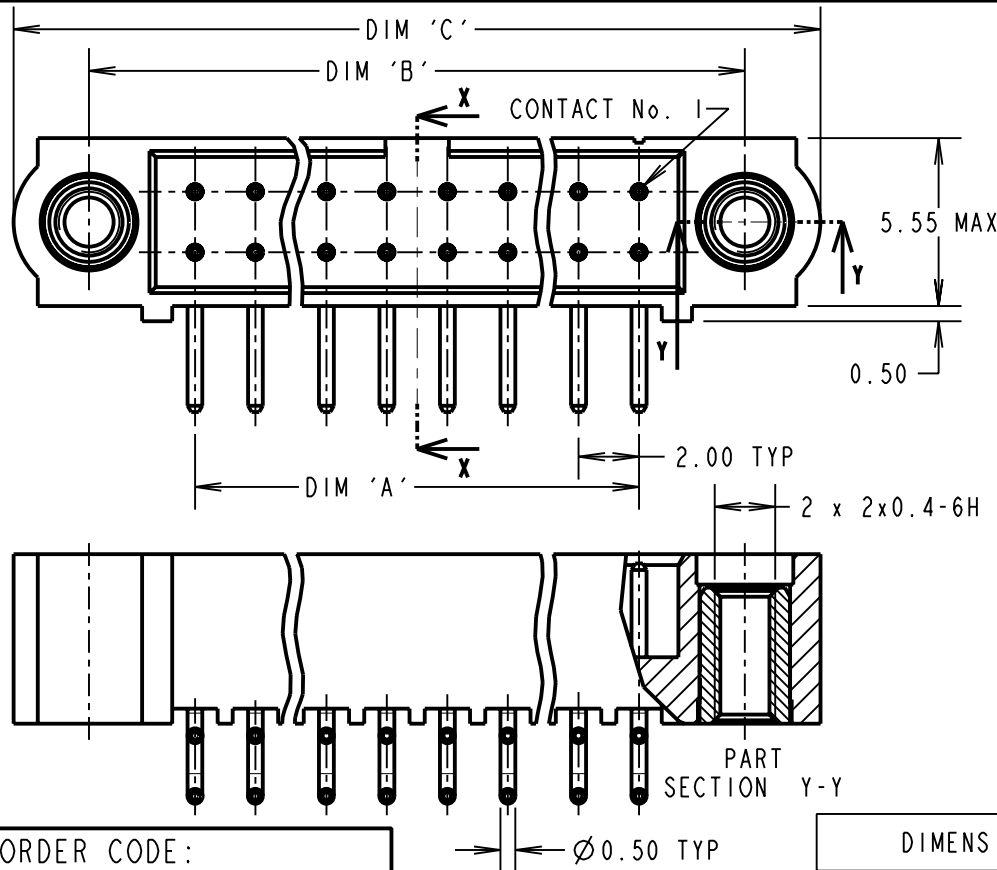
IF IN DOUBT - ASK

(C)

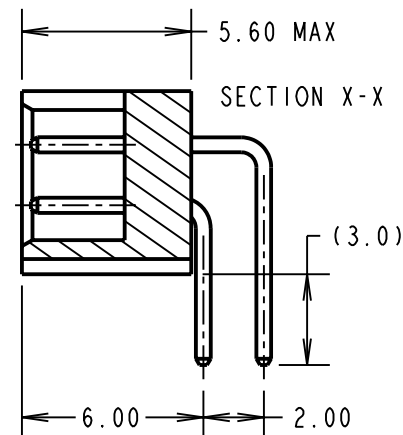
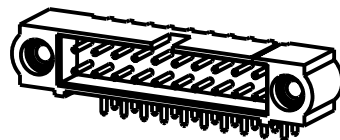
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



ORDER CODE:

**M80-530XXX**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:

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

## NOTES:

1. RECOMMENDED PCB HOLE  
SIZE = Ø0.65mm MIN.

| 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  
AND 100% TIN SHELL, M80-5302042  
DIM 'A' = 18.00mm, DIM 'B' = 25.00mm, DIM 'C' = 30.00mm

|                     |      |          |        |
|---------------------|------|----------|--------|
| CP                  | I    | 18.11.09 | 10574  |
| NAME                | ISS. | DATE     | C/NOTE |
| APPROVED: C.PENROSE |      |          |        |
| CHECKED: R.ADDE     |      |          |        |
| DRAWN: W. J. BOURNE |      |          |        |
| CUSTOMER REF.:      |      |          |        |
| ASSEMBLY DRG:       |      |          |        |

**HARWIN**

|                                                                        |                                                                                    |                                                                                |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| HARWIN USA<br>TEL: 603 893 5376<br>FAX: 603 893 5396<br>mis@harwin.com | HARWIN Europe (UK)<br>TEL: 023 9231 4545<br>FAX: 023 9231 4590<br>mis@harwin.co.uk | HARWIN Asia<br>TEL: +65 6 779 4909<br>FAX: +65 6 779 3868<br>mis@harwin.com.sg |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|

THIS DRAWING AND ANY  
INFORMATION OR DESCRIPTIVE  
MATTER SET OUT HEREON ARE  
CONFIDENTIAL AND COPYRIGHT  
PROPERTY OF THE HARWIN  
GROUP AND MUST NOT BE  
DISCLOSED, LOANED, COPIED  
OR USED FOR MANUFACTURING,  
TENDERING OR FOR ANY  
OTHER PURPOSE WITHOUT  
THEIR WRITTEN PERMISSION.

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 HORIZONTAL PC TAIL  
MALE ASSEMBLY

DRAWING NUMBER:

**M80-530XXX**SHT  
2 OF 2