

# Customer Information Sheet

DRAWING No.: M80-881XXXX

SHEET 2 OF 2

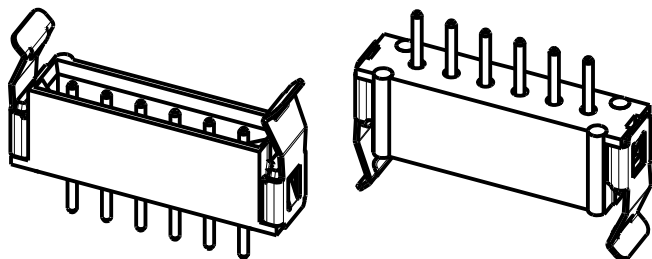
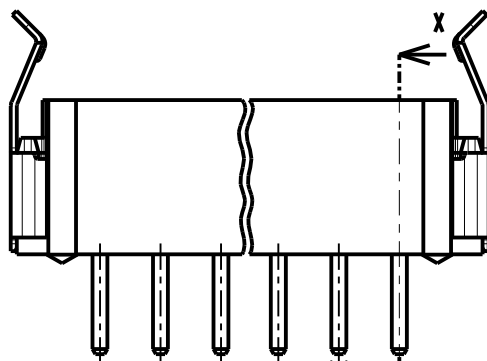
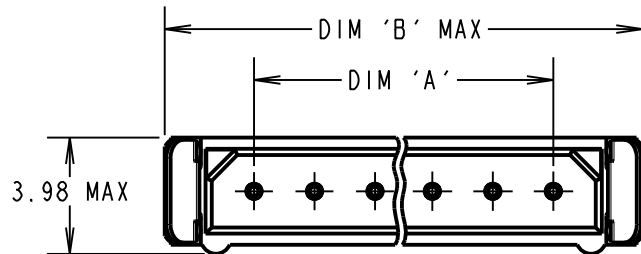
IF IN DOUBT - ASK

©

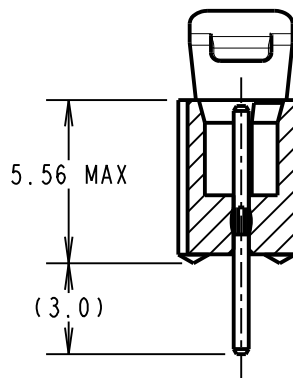
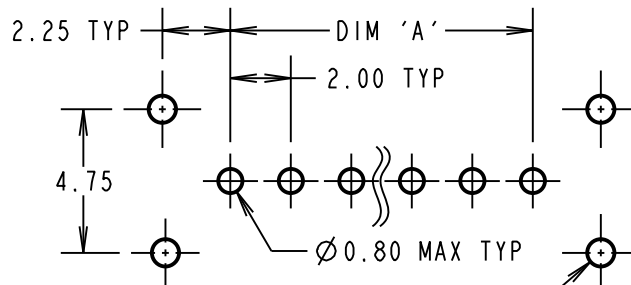
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



## RECOMMENDED PCB LAYOUT



SECTION X-X

## SPECIFICATIONS:

- MATERIAL:**  
 MOULDING = GLASS-FILLED POLYAMIDE 46, UL94V-0, BLACK  
 CONTACTS = PHOSPHOR BRONZE  
 LATCHES = BERYLLIUM COPPER
- FINISH:**  
 22 = 0.75µ GOLD ON CONTACT AREA, 3µ 90/10 TIN/LEAD ON TAILS  
 42 = 0.75µ GOLD ON CONTACT AREA, 3.0µ 100% TIN OVER NICKEL ON TAILS  
 45 = 0.75µ GOLD
- 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)

## NOTES:

- 2-OFF STRAIN RELIEF STRAPS M80-0030006 MAY BE USED WITH EACH CONNECTOR.

## ORDER CODE:

**M80-881XXXX**

## TOTAL No. OF CONTACTS

02, 03, 04, 05,  
06, 07, 17, 22

## FINISH

22 - SELECTIVE GOLD + TIN/LEAD  
 42 - SELECTIVE GOLD / 100% TIN  
 45 - GOLD

PART No.	No. OF CONTACTS	DIM 'A'	DIM 'B'
M80-88102XX	2	2.00	8.10
M80-88103XX	3	4.00	10.10
M80-88104XX	4	6.00	12.10
M80-88105XX	5	8.00	14.10
M80-88106XX	6	10.00	16.10
M80-88107XX	7	12.00	18.10
M80-88117XX	17	32.00	38.10
M80-88122XX	22	42.00	48.10

# 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:

DATAMATE SIL VERTICAL  
 PC-TAIL MALE  
 FRICTION LATCH

## DRAWING NUMBER:

**M80-881XXXX**

SHT  
 2 OF 2

SB	6	06.03.12	11672
NAME	ISS.	DATE	C/NOTE
APPROVED: S.BENNETT			
CHECKED: S.FLOWER			
DRAWN: B. M. KENT			
CUSTOMER REF.:			
ASSEMBLY DRG:			