

# Customer Information Sheet

DRAWING No.: M80-840XXXX

SHEET 2 OF 2

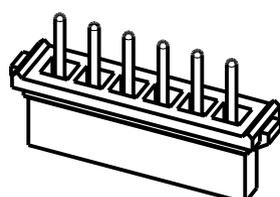
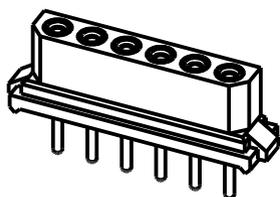
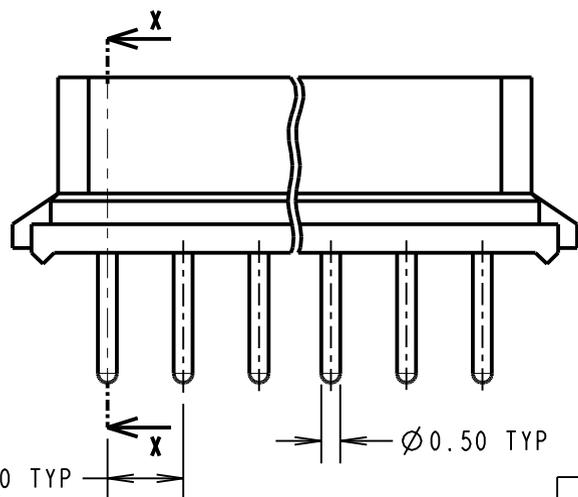
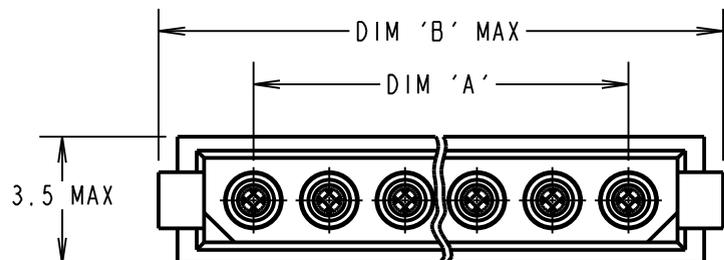
IF IN DOUBT - ASK

(C)

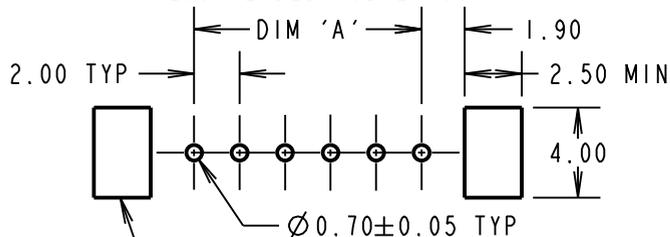
NOT TO SCALE

THIRD ANGLE PROJECTION

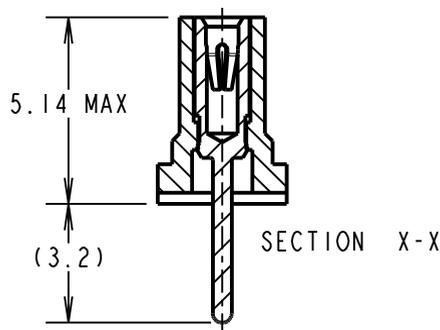
ALL DIMENSIONS IN mm



## RECOMMENDED PCB LAYOUT



(OPTIONAL) HOLES REQUIRED FOR USE WITH LATCHED MALE CONNECTORS.



## SPECIFICATIONS:

### MATERIAL:

MOULDING = GLASS-FILLED POLYAMIDE 46, UL94V-0, BLACK

CONTACT CLIP = BERYLLIUM COPPER

CONTACT SHELL = BRASS

### FINISH (ALL OVER NICKEL):

01 = 0.3µ GOLD CLIP, 3.5µ 90/10 TIN/LEAD SHELL

42 = 0.3µ GOLD CLIP, 3.5-5.0µ 100% TIN SHELL

45 = 0.3µ GOLD CLIP, 0.25-0.3µ GOLD SHELL

### 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) = 2N 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)

PART No.	No. OF CONTACTS	DIM 'A'	DIM 'B'
M80-84002XX	2	2.00	7.15
M80-84003XX	3	4.00	9.15
M80-84004XX	4	6.00	11.15
M80-84005XX	5	8.00	13.15
M80-84006XX	6	10.00	15.15
M80-84007XX	7	12.00	17.15
M80-84017XX	17	32.00	37.15
M80-84022XX	22	42.00	47.15

ORDER CODE:

**M80-840XXXX**

TOTAL No. OF CONTACTS

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

FINISH

01 - GOLD CLIP, TIN/LEAD SHELL  
42 - GOLD CLIP, 100% TIN SHELL  
45 - GOLD CLIP, GOLD SHELL

MSP	10	27.05.15	12793
NAME	ISS.	DATE	C/NOTE
APPROVED: M.PERREN			
CHECKED: M.PLESTED			
DRAWN: W. J. BOURNE			
CUSTOMER REF.:			
ASSEMBLY DRG:			

# HARWIN

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### TOLERANCES

X. = ±1mm  
X.X = ±0.50mm  
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  
FEMALE ASSEMBLY (RoHS)

### DRAWING NUMBER:

**M80-840XXXX**

SHT  
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