

# Customer Information Sheet

DRAWING No.: M80-614XXXX

SHEET 2 OF 2

IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

## SPECIFICATION

### MATERIALS:

MOULDING = HIGH-TEMP. POLYAMIDE 46 UL94V-0

CLIP = BERYLLIUM COPPER

BODY = BRASS

### FINISH:

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

42 = 3.5/5.0µ 100% TIN BODY, 0.3µ GOLD CLIP

45 = 0.25/0.3µ GOLD BODY, 0.3µ GOLD CLIP

### 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:

INITIAL = 20mΩ MAX

AFTER CONDITIONING = 25mΩ MAX

### INSULATION RESISTANCE:

INITIAL = 1000MΩ MIN

AFTER CONDITIONING = 100MΩ MIN

### MECHANICAL:

DURABILITY = 500 OPERATIONS

INSERTION FORCE = 2.8N MAX, 1.0N MIN

WITHDRAWAL FORCE = 1.8N MAX, 0.2N MIN

### ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

### PACKING:

TUBE

FOR COMPLETE SPECIFICATION SEE

COMPONENT SPECIFICATION C005XX

(LATEST ISSUE)

**OBSOLETE**

(OPTIONAL) HOLES REQUIRED FOR  
USE WITH LATCHED MALE CONNECTORS

ORDER CODE:

**M80-614XXXX**

No. OF WAYS

02-07, 17

FINISH

01 = GOLD CLIP, TIN/LEAD SHELL

42 = 100% TIN SHELL, GOLD CLIP

45 = GOLD SHELL, GOLD CLIP

|                |              |          |        |  |  |  |
|----------------|--------------|----------|--------|--|--|--|
| SB             | 6            | 28.06.11 | 11350  |  |  |  |
| NAME           | ISS.         | DATE     | C/NOTE |  |  |  |
| APPROVED:      | S.BENNETT    |          |        |  |  |  |
| CHECKED:       | S.FLOWER     |          |        |  |  |  |
| 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:

DATAMATE SIL  
FEMALE PC TAIL ASSEMBLY</

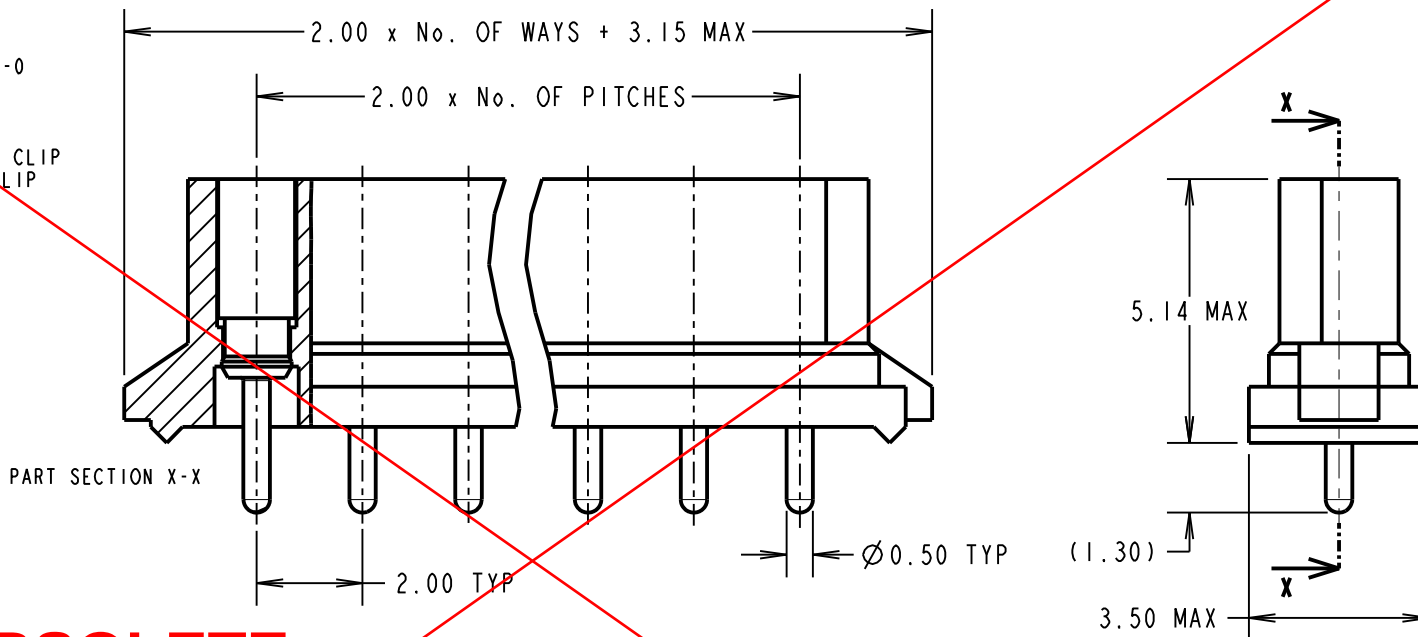
ALL DIMENSIONS IN mm

~~MATERIALS:  
MOULDING = HIGH-TEMP. POLYAMIDE 46 UL94V-0  
CLIP = BERYLLIUM COPPER  
BODY = BRASS  
FINISH:  
01 = 3.5 $\mu$  90/10 TIN/LEAD BODY, 0.3 $\mu$  GOLD CLIP  
42 = 3.5/5.0 $\mu$  100% TIN BODY, 0.3 $\mu$  GOLD CLIP  
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ELECTRICAL:  
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CURRENT RATING AT 85°C = 2.2A MAX  
WORKING VOLTAGE = 120V AC/DC  
VOLTAGE PROOF = 360V AC/DC  
CONTACT RESISTANCE:  
INITIAL = 20mΩ MAX  
AFTER CONDITIONING = 25mΩ MAX  
INSULATION RESISTANCE:  
INITIAL = 1000MΩ MIN  
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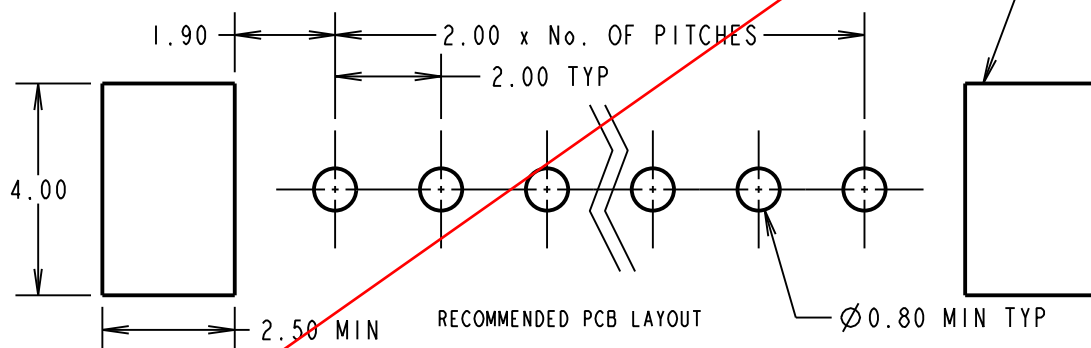
MECHANICAL:  
DURABILITY = 500 OPERATIONS  
INSERTION FORCE = 2.8N MAX, 1.0N MIN  
WITHDRAWAL FORCE = 1.8N MAX, 0.2N MIN  
ENVIRONMENTAL:  
TEMPERATURE RANGE = -55°C TO +125°C

TEMPERATURE RANGE = 0000 TO  
PACKING:  
TUBE  
FOR COMPLETE SPECIFICATION SEE  
COMPONENT SPECIFICATION C005XX  
(LATEST ISSUE)



# OBSOLETE

~~-(OPTIONAL) HOLES REQUIRED FOR  
USE WITH LATCHED MALE CONNECTORS~~



~~ORDER CODE:~~

**M80-614XXXX**

No. OF WAYS  
02-07. 17

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| NAME           | ISS. | DATE         | C/NOTE |
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| ASSEMBLY DRG:  |      |              |        |

# HARWIN

|                   |                           |                     |
|-------------------|---------------------------|---------------------|
| <b>HARWIN USA</b> | <b>HARWIN Europe (UK)</b> | <b>HARWIN Asia</b>  |
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| FAX: 603 893 5396 | FAX: 023 9231 4590        | FAX: +65 6 779 3868 |
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## TOLERANCES

$X = \pm 1 \text{ mm}$   
 $X.X = \pm 0.25 \text{ mm}$   
 $X.XX = \pm 0.10 \text{ mm}$   
 $X.XXX = \pm 0.01 \text{ mm}$

ANGLES =  $\pm 5^\circ$   
UNLESS STATED

**MATERIAL:**

SEE ABOVE

FINISH: SEE ABOVE

S/AREA: mm<sup>2</sup>

TITLE:

DATE: 11/11/2011  
DATAMATE SIL  
FEMALE PC TAIL ASSEMBLY

DRAWING NUMBER:

M80 - 6 | 4XXXX

SHT  
2 OF 2