

# Customer Information Sheet

DRAWING No.: M80-615XXXX

SHEET 2 OF 2

IF IN DOUBT - ASK

Ⓢ

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 = 3.5 $\mu$  90/10 TIN LEAD BODY, 0.3 $\mu$  GOLD CLIP  
 42 = 3.5/5.0 $\mu$  100% TIN BODY, 0.3 $\mu$  GOLD CLIP  
 45 = 0.25/0.3 $\mu$  GOLD BODY, 0.3 $\mu$  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

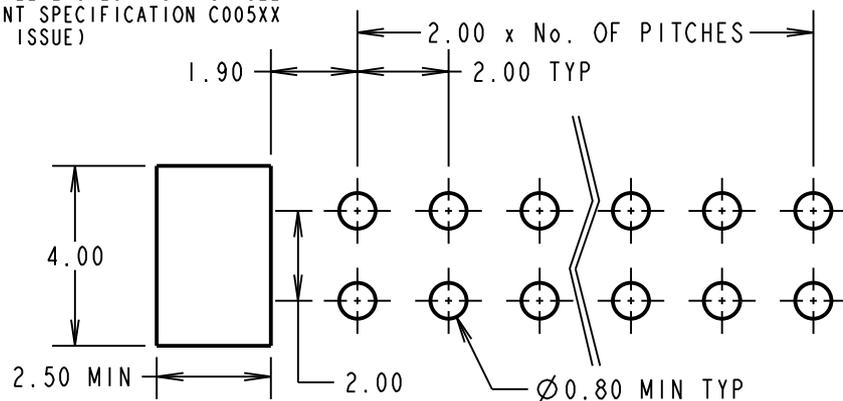
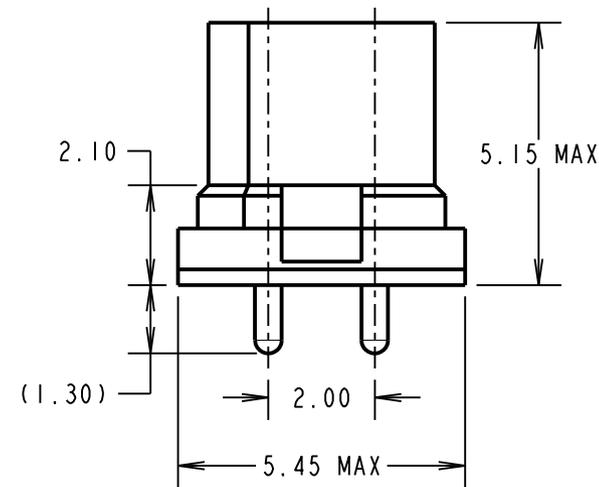
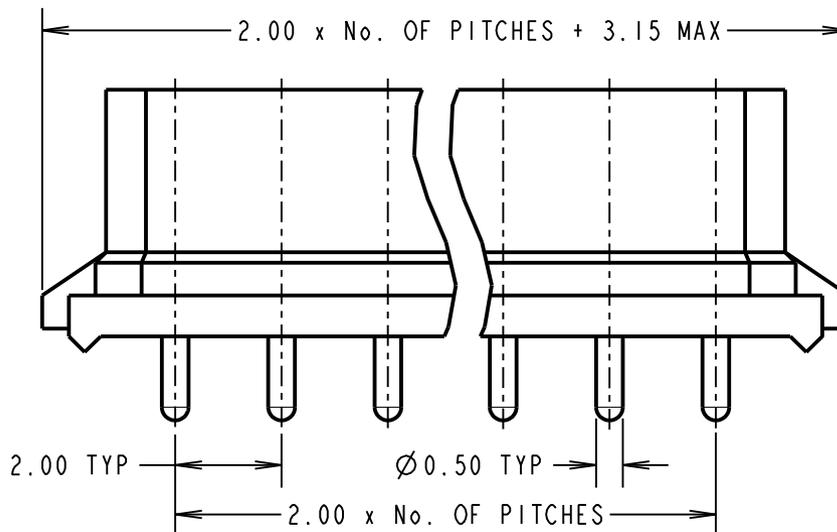
**CONTACT RESISTANCE:**  
 INITIAL = 20m $\Omega$  MAX  
 AFTER CONDITIONING = 25m $\Omega$  MAX

**INSULATION RESISTANCE:**  
 INITIAL = 1000M $\Omega$  MIN  
 AFTER CONDITIONING = 100M $\Omega$  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)



(OPTIONAL) HOLES REQUIRED FOR  
 USE WITH LATCHED MALE CONNECTORS

ORDER CODE:

**M80-615XXXX**

No. OF CONTACTS ———  
 04-20 (EVEN No.s)  
 26, 34 & 44

**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: I. SANDY			
CUSTOMER REF.:			
ASSEMBLY DRG:			

**HARWIN**

HARWIN USA TEL: 603 893 5376 FAX: 603 893 5396 mis@harwin.com	HARWIN Europe (UK) TEL: 023 9231 4545 FAX: 023 9231 4590 mis@harwin.co.uk	HARWIN Asia TEL: +65 6 779 4909 FAX: +65 6 779 3868 mis@harwin.com.sg
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**TOLERANCES**  
 X. =  $\pm 1$ mm  
 X.X =  $\pm 0.25$ mm  
 X.XX =  $\pm 0.10$ mm  
 X.XXX =  $\pm 0.01$ mm  
 ANGLES =  $\pm 5^\circ$   
 UNLESS STATED

**MATERIAL:**  
 SEE ABOVE

**FINISH:** SEE TABLE

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

**TITLE:**  
 DATAMATE DIL  
 FEMALE PC TAIL ASSEMBLY

**DRAWING NUMBER:**  
**M80-615XXXX**

SHT  
 2 OF 2

# Mouser Electronics

Authorized Distributor

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