

# Customer Information Sheet

DRAWING No.: M80-867XXXX

SHEET 2 OF 2

IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

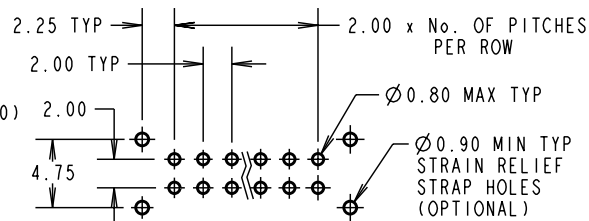
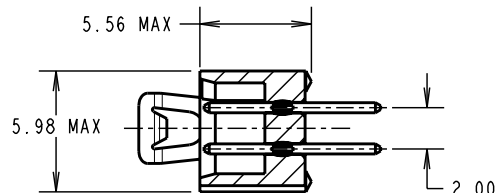
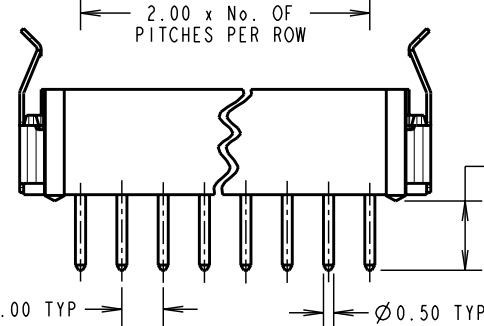
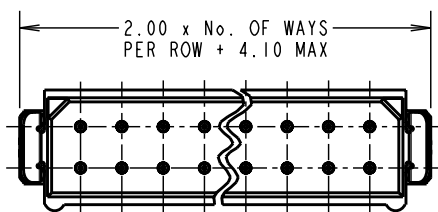
**SPECIFICATIONS:**

**MATERIAL:**  
 MOULDING = GLASS-FILLED POLYESTER, UL94V-0, BLACK  
 CONTACTS = PHOSPHOR BRONZE  
 LATCHES = BERYLLIUM COPPER

**FINISH:**  
 CONTACTS:  
 05 = 0.75µ GOLD  
 22 = 0.75µ GOLD ON CONTACT AREA.  
 3.0µ 90/10 TIN/LEAD ON TAILS  
 LATCH = 1.25µ NICKEL

**ELECTRICAL:**  
 CURRENT RATING (25°C) = 3.0A MAX.  
 CURRENT RATING (85°C) = 2.2A MAX.  
 WORKING VOLTAGE = 120V AC/DC  
 VOLTAGE PROOF = 360V AC/DC  
 CONTACT RESISTANCE:  
 INITIAL = 20 mΩ MAX.  
 AFTER CONDITIONING = 25 mΩ MAX.  
 INSULATION RESISTANCE:  
 INITIAL = 1000 MΩ MIN.  
 AFTER CONDITIONING = 100 MΩ MIN.

**MECHANICAL:**  
 DURABILITY = 500 OPERATIONS  
 ENVIRONMENTAL:  
 TEMPERATURE RANGE = -55°C TO +125°C  
 PACKING:  
 TUBE  
 FOR COMPLETE SPECIFICATION, SEE COMPONENT SPEC C005XX (LATEST ISSUE)



RECOMMENDED PCB LAYOUT

- NOTES:**
- 2-OFF STRAIN RELIEF STRAPS M80-0030006 MAY BE USED WITH THIS CONNECTOR.
  - FOR RoHS COMPLIANT EQUIVALENT PRODUCT USE M80-853XXXX CONNECTORS.

BRITISH STANDARD ORDER CODE:

**B5743-2XX-M-T-X**

TOTAL No. OF WAYS  
 04, 06, 08, 10, 12, 14, 16,  
 18, 20, 26, 34, 44

FINISH:  
 1 = SELECTIVE GOLD  
 3 = GOLD

ORDER CODE:

**M80-867XXXX**

TOTAL No. OF WAYS  
 04, 06, 08, 10, 12, 14, 16,  
 18, 20, 26, 34, 44

FINISH:  
 05 = GOLD  
 22 = SELECTIVE GOLD + TIN/LEAD

CP	14	01.10.09	10303
NAME	ISS.	DATE	C/NOTE
APPROVED: C. PENROSE			
CHECKED: R. ADDE			
DRAWN: J. CLAY			
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 DIL  
 VERTICAL MALE PC TAIL  
 ASSEMBLY - LATCHED  
**DRAWING NUMBER:**  
**M80-867XXXX**

SHT  
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