

# Customer Information Sheet

DRAWING No.: M80-805XXXX

SHEET 2 OF 2

IF IN DOUBT - ASK

©

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

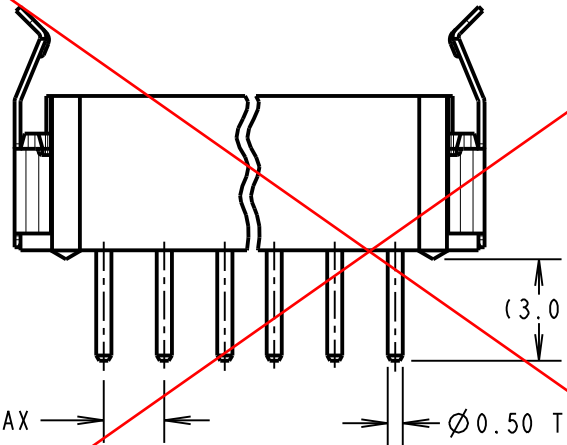
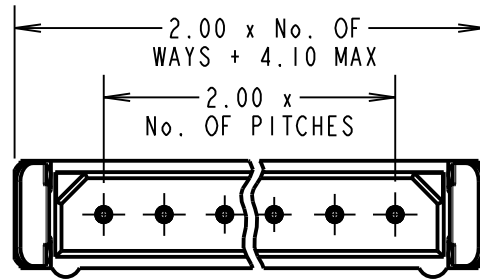
**FINISH:**  
 CONTACTS:  
 05 = 0.75µ GOLD  
 22 = 0.75µ GOLD ON CONTACT AREA.  
 3.0µ 90/10 TIN/LEAD ON TAILS  
 LATCH = 1.25µ NICKEL

**ELECTRICAL:**  
 CURRENT RATING (25°C) = 3.0A MAX.  
 CURRENT RATING (85°C) = 2.2A MAX.  
 WORKING VOLTAGE = 800V AC/DC  
 VOLTAGE PROOF = 1200V AC/DC  
 CONTACT RESISTANCE:  
 INITIAL = 20 mΩ MAX.  
 AFTER CONDITIONING = 25 mΩ MAX.  
 INSULATION RESISTANCE:  
 INITIAL = 1000 MΩ MIN.  
 AFTER CONDITIONING = 100 MΩ MIN.

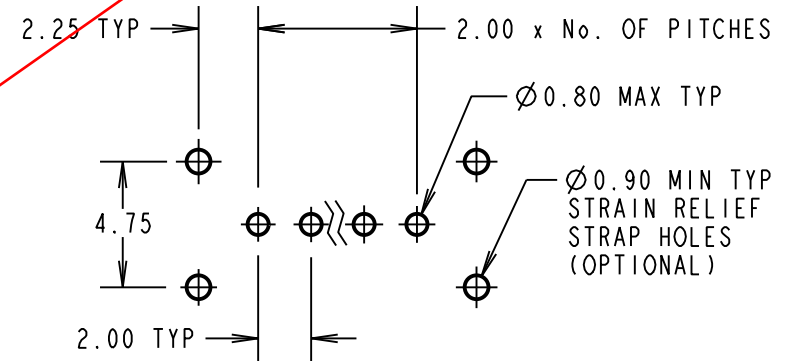
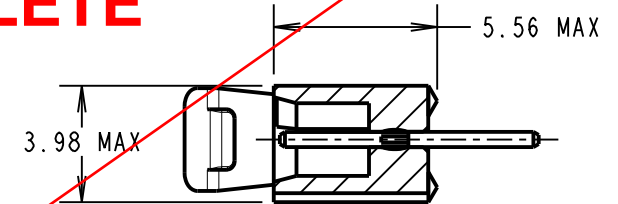
**MECHANICAL:**  
 DURABILITY = 500 OPERATIONS  
 INSERTION FORCE (∅0.5mm GAUGE) = 2.8N MAX  
 WITHDRAWAL FORCE (∅0.5mm GAUGE) = 0.2N MIN

**ENVIRONMENTAL:**  
 TEMPERATURE RANGE = -55°C TO +125°C

**PACKING:**  
 TUBE  
 FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)



**OBSOLETE**



RECOMMENDED PCB LAYOUT

- NOTES:**
- 2-OFF STRAIN RELIEF STRAPS M80-0030006 MAY BE USED WITH THIS CONNECTOR.
  - FOR RoHS COMPLIANT EQUIVALENT PRODUCT USE M80-881XXXX CONNECTORS.

BRITISH STANDARD ORDER CODE:

**B5743-1XX-M-T-R**

TOTAL No. OF WAYS  
 02 - 07, 17, 22

FINISH:  
 R = SELECTIVE GOLD & TIN/LEAD

ORDER CODE:

**M80-805XXXX**

TOTAL No. OF WAYS  
 02 - 07, 17, 22.

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

SB	11	05.03.12	11672
NAME	ISS.	DATE	C/NOTE
APPROVED: S.BENNETT			
CHECKED: S.FLOWER			
DRAWN: D. BECK			
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  
 VERTICAL MALE PC TAIL  
 ASSEMBLY - FRICTION LATCH

DRAWING NUMBER:

**M80-805XXXX**

SHT  
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