

# Customer Information Sheet

DRAWING No.: M80-815XXXX

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 = 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

**ENVIRONMENTAL:**

TEMPERATURE RANGE = -55°C TO +125°C

**PACKING:**

TUBE

FOR COMPLETE SPECIFICATION, SEE  
COMPONENT SPEC C005XX (LATEST ISSUE)

2.00 TYP

Ø 0.50 TYP

**NOTES:**

- 2-OFF STRAIN RELIEF STRAPS M80-0030006 MAY BE USED WITH THIS CONNECTOR.
- FOR RoHS COMPLIANT EQUIVALENT PRODUCT USE M80-863XXXX CONNECTORS.

**BRITISH STANDARD**

ORDER CODE: TO BS9525 F0033

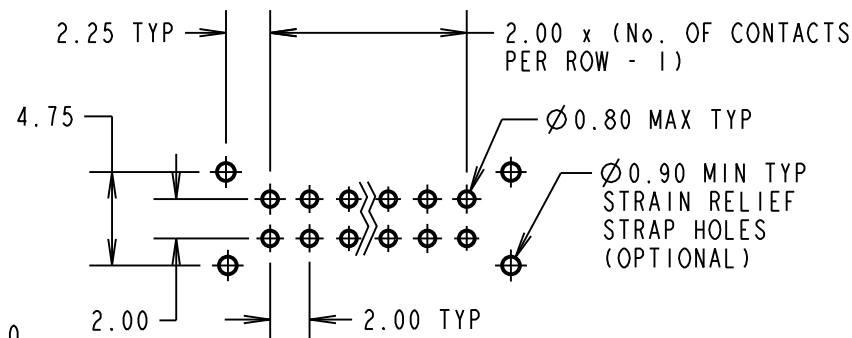
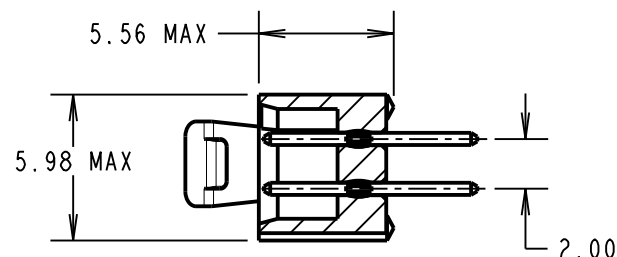
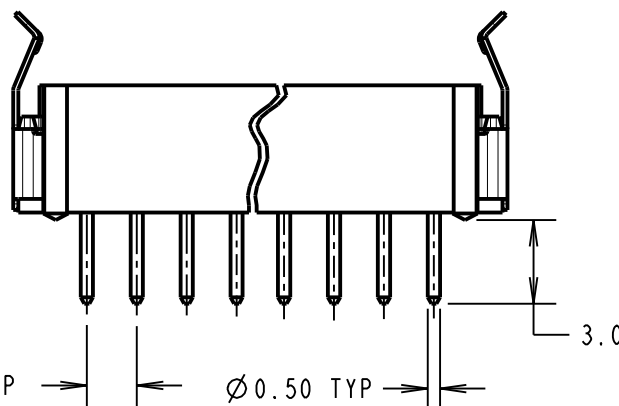
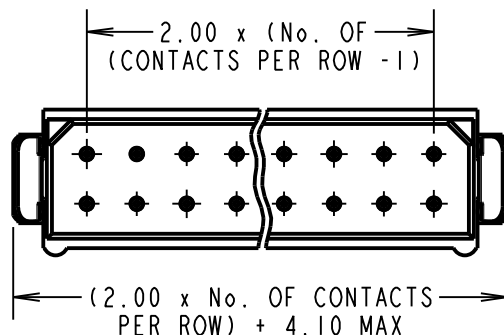
**B5743-2XX-M-T-R**

TOTAL No. OF CONTACTS:

04, 06, 08, 10, 12, 14, 16,  
18, 20, 26, 34, 44

FINISH:

R = SELECTIVE GOLD + TIN/LEAD



RECOMMENDED PCB LAYOUT

ORDER CODE:

**M80-815XXXX**

TOTAL No. OF CONTACTS:

04, 06, 08, 10, 12, 14, 16,  
18, 20, 26, 34, 44

FINISH:

05 = GOLD

22 = SELECTIVE GOLD + TIN/LEAD

|                |      |           |        |
|----------------|------|-----------|--------|
| SB             | 10   | 15.07.14  | 12531  |
| NAME           | ISS. | DATE      | C/NOTE |
| APPROVED:      |      | S.BENNETT |        |
| CHECKED:       |      | M.PLESTED |        |
| DRAWN:         |      | D. BECK   |        |
| CUSTOMER REF.: |      |           |        |
| ASSEMBLY DRG:  |      |           |        |

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OR USED FOR MANUFACTURING,  
TENDERING OR FOR ANY  
OTHER PURPOSE WITHOUT  
THEIR WRITTEN PERMISSION.**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 - FRICTION LATCH**DRAWING NUMBER:****M80-815XXXX**SHT  
2  
OF  
2