

# Customer Information Sheet

DRAWING No.: M80-702XXXX

SHEET 2 OF 2

IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

**SPECIFICATION:**

**MATERIAL:**  
 MOULDING = POLYAMIDE 46 UL94V-0, BLACK (2.00 x No. OF CONTACTS PER ROW) + 7.00

CONTACT = PHOSPHOR BRONZE

**FINISH (ALL OVER NICKEL):**

05 = 0.25 - 0.3µ 100% GOLD

22 = 0.75µ GOLD ON CONTACT AREA, 3.0µ 90/10 TIN/LEAD ON TAILS

42 = 0.75µ GOLD ON CONTACT AREA, 3.0µ 100% TIN ON TAILS

**ELECTRICAL:**

CURRENT RATING AT 25°C = 3.0A MAX

CURRENT RATING AT 85°C = 2.2A MAX

VOLTAGE PROOF = 360V AC/DC

CONTACT RESISTANCE (INITIAL) = 20mΩ MAX

CONTACT RESISTANCE (AFTER CONDITIONING) = 25mΩ MAX

INSULATION RESISTANCE (INITIAL) = 1,000MΩ MAX

INSULATION RESISTANCE (AFTER CONDITIONING) = 100MΩ MIN

**MECHANICAL:**

MAXIMUM INSERTION FORCE = No. OF CONTACTS x 2.8N (2.00 x No. OF CONTACTS PER ROW - 1)

MAXIMUM WITHDRAWAL FORCE = No. OF CONTACTS x 1.8N

MINIMUM WITHDRAWAL FORCE = No. OF CONTACTS x 0.2N

DURABILITY = 500 OPERATIONS

**ENVIRONMENTAL:**

OPERATING TEMPERATURE = -55°C TO +125°C

**PACKING:**

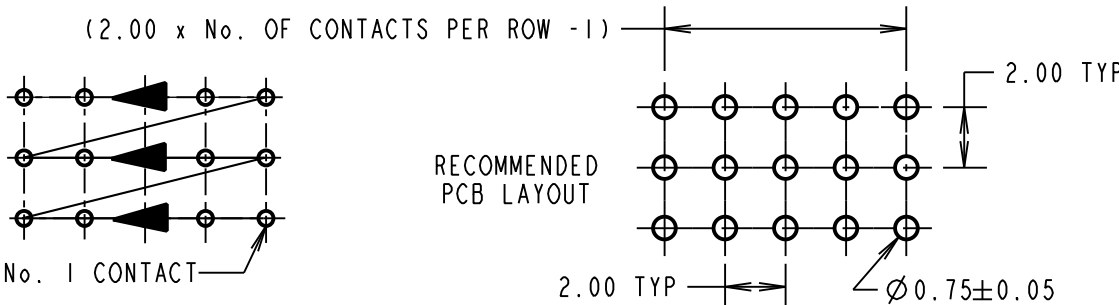
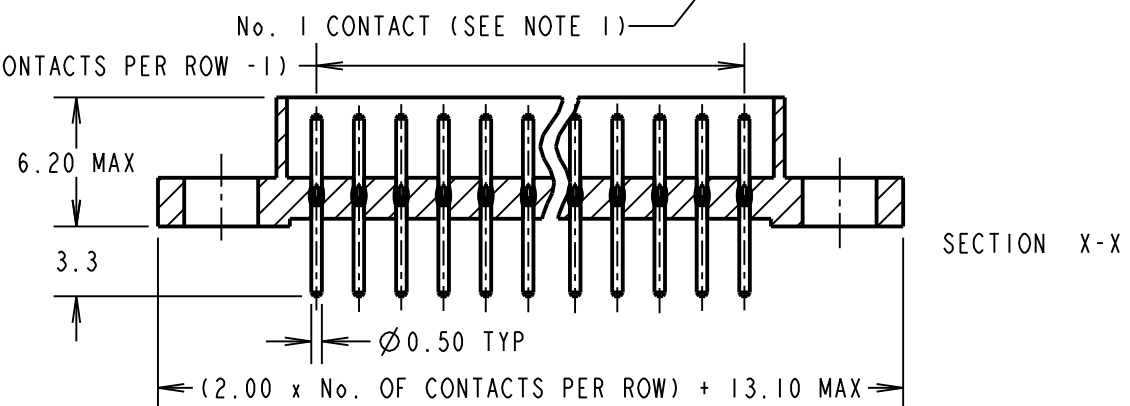
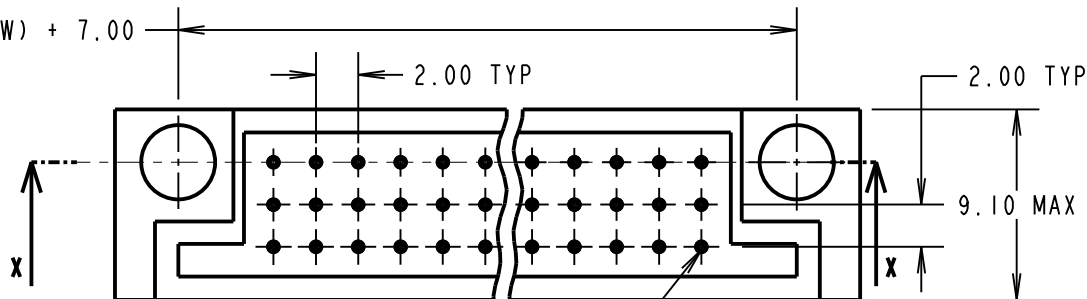
TRAYS

FOR COMPLETE SPECIFICATION, SEE COMPONENT

SPECIFICATION C017XX (LATEST ISSUE)

**NOTES:**

- FROM No. 1 POSITION, CONTACTS NUMBERED IN SEQUENCE FROM RIGHT TO LEFT AND FROM BOTTOM ROW TO TOP ROW (SEE BELOW).



ORDER CODE:  
**M80-702XXXX**

TOTAL No. OF CONTACTS:  
 27, 36, 45, 51, 63

FINISH:  
 05 = 100% GOLD  
 22 = SELECTIVE GOLD + TIN/LEAD  
 42 = SELECTIVE GOLD + 100% TIN

|                |      |              |        |
|----------------|------|--------------|--------|
| MSP            | 9    | 15.04.15     | 12811  |
| NAME           | ISS. | DATE         | C/NOTE |
| APPROVED:      |      | M.PERREN     |        |
| CHECKED:       |      | S.BENNETT    |        |
| DRAWN:         |      | W. J. BOURNE |        |
| CUSTOMER REF.: |      |              |        |
| ASSEMBLY DRG:  |      |              |        |



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**TOLERANCES**  
 X. = ±1mm  
 X.X = ±0.50mm  
 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 3-ROW  
 MALE VERTICAL PC TAIL  
 ASSEMBLY

**DRAWING NUMBER:**  
**M80-702XXXX**