

# Customer Information Sheet

DRAWING No.: M80-707XXX

SHEET 2 OF 2

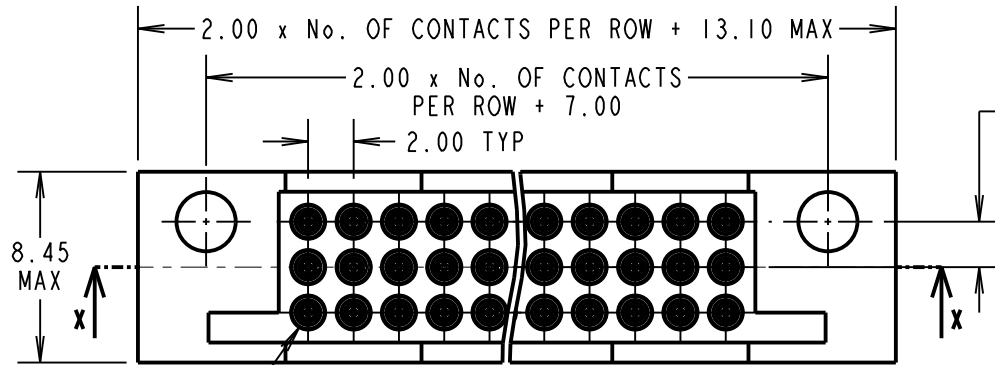
IF IN DOUBT - ASK

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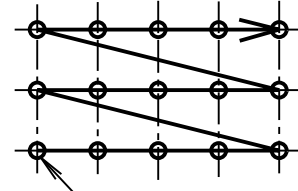
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



2.00 TYP



No. 1 CONTACT

**SPECIFICATION:**

**MATERIAL:**

MOULDING = POLYAMIDE 46 UL94V-0, BLACK  
 CONTACT CLIP = BERYLLIUM COPPER  
 CONTACT BODY = COPPER ALLOY  
 FINISH (ALL OVER NICKEL):  
 01 = 4µm TIN/LEAD BODY, 0.30µm GOLD CLIP  
 05 = 0.28µm GOLD BODY, 0.30µm GOLD CLIP  
 42 = 4µm 100% TIN BODY, 0.30µm GOLD CLIP

**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  
 AFTER CONDITIONING = 25mΩ MAX

**INSULATION RESISTANCE:**

INITIAL = 1000MΩ MIN  
 AFTER CONDITIONING = 100MΩ MIN

**MECHANICAL:**

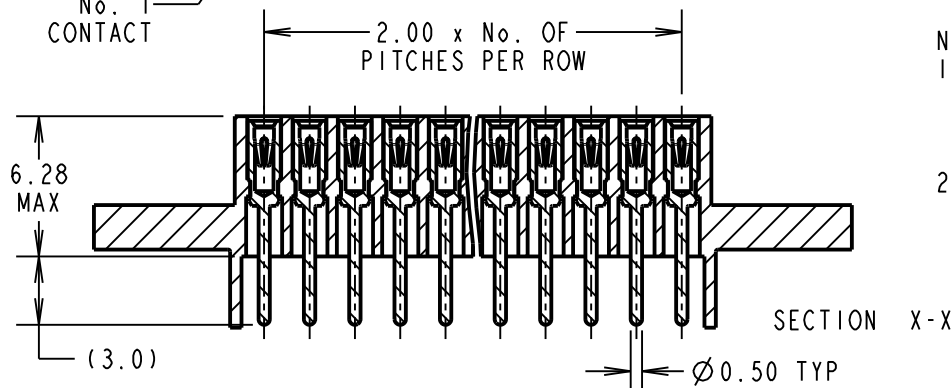
INSERTION FORCE = 2.8N MAX, 1.0N MIN  
 WITHDRAWAL FORCE = 1.8N MAX, 0.2N MIN  
 DURABILITY = 500 OPERATIONS

**ENVIRONMENTAL:**

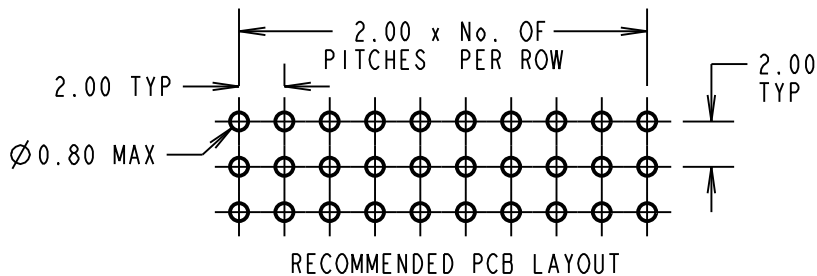
OPERATING TEMPERATURE = -55°C TO +125°C  
 PACKING: TRAYS

**NOTES:**

- FROM No. 1 POSITION, CONTACTS NUMBERED IN SEQUENCE FROM LEFT TO RIGHT AND FROM BOTTOM ROW TO TOP ROW (SEE ABOVE).
- FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION CO17XX (LATEST ISSUE).



SECTION X-X



RECOMMENDED PCB LAYOUT

ORDER CODE: **M80-707XXX**

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

FINISH: \_\_\_\_\_  
 01 = TIN/LEAD SHELL, GOLD CLIP  
 05 = GOLD SHELL, GOLD CLIP  
 42 = 100% TIN SHELL, GOLD CLIP

POTTING WALLS \_\_\_\_\_  
 BLANK = POTTING WALLS REMOVED  
 A = POTTING WALLS RETAINED

SM	7	14.07.11	11343
NAME	ISS.	DATE	C/NOTE
APPROVED: S. MCCULLAGH			
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DRAWN: W. J. BOURNE			
CUSTOMER REF.:			
ASSEMBLY DRG:			

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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:**

3-ROW DATAMATE  
 FEMALE VERTICAL PC TAIL  
 ASSEMBLY

**DRAWING NUMBER:**

**M80-707XXX**

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