

Customer Information Sheet

DRAWING No.: M80-707XXX

SHEET 2 OF 2

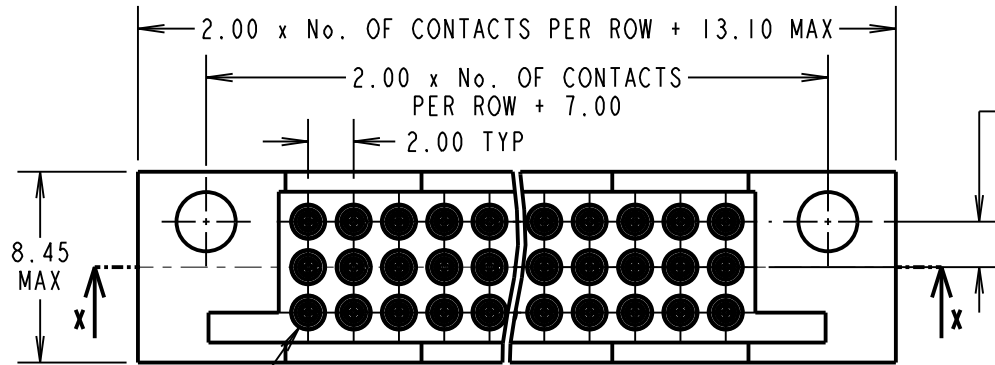
IF IN DOUBT - ASK

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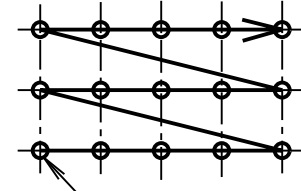
NOT TO SCALE

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:

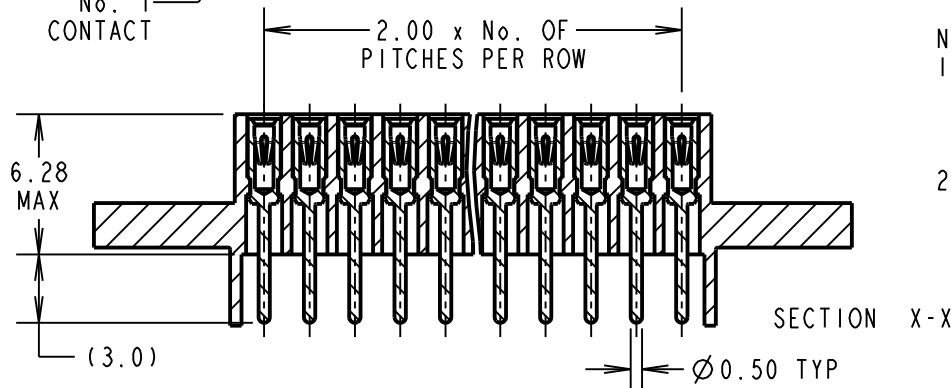
INSERTION FORCE = 2.8N MAX, 1.0N MIN
 WITHDRAWAL FORCE = 1.8N MAX, 0.2N MIN
 DURABILITY = 500 OPERATIONS

ENVIRONMENTAL:

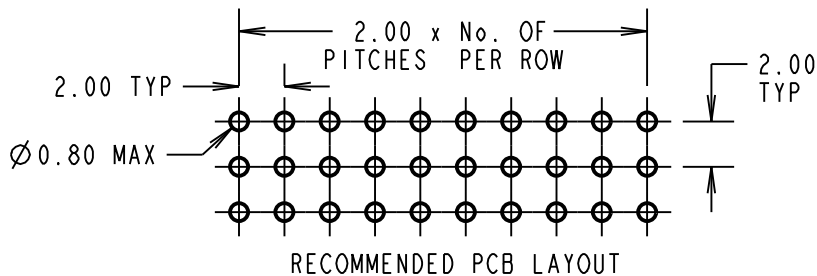
OPERATING TEMPERATURE = -55°C TO +125°C
 PACKING: TRAYS

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			
CHECKED: M. G. PLESTED			
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: mm²

TITLE:

3-ROW DATAMATE
 FEMALE VERTICAL PC TAIL
 ASSEMBLY

DRAWING NUMBER:

M80-707XXX

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