

Customer Information Sheet

DRAWING No.: M80-708XXXX

SHEET 2 OF 2

IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

ORDER CODE: **M80-708XXXX**

TOTAL No. OF CONTACTS:

27, 36, 45, 51, 63

FINISH:

01 = TIN SHELL, GOLD CLIP
05 = GOLD SHELL, GOLD CLIP

POTTING WALLS

BLANK = POTTING WALLS RETAINED
A = POTTING WALLS REMOVED

SPECIFICATION:

MATERIAL:

MOULDING = POLYAMIDE 46 UL94V-0, BLACK

CONTACT CLIP = BERYLLIUM COPPER

CONTACT BODY = COPPER ALLOY

FINISH (ALL OVER NICKEL):

01 = 4µ TIN BODY, 0.30µ GOLD CLIP

05 = 0.28µ GOLD BODY, 0.30µ 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

CONTACT RESISTANCE (AFTER CONDITIONING) = 25mΩ MAX

INSULATION RESISTANCE (INITIAL) = 1000MΩ MIN

INSULATION RESISTANCE (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

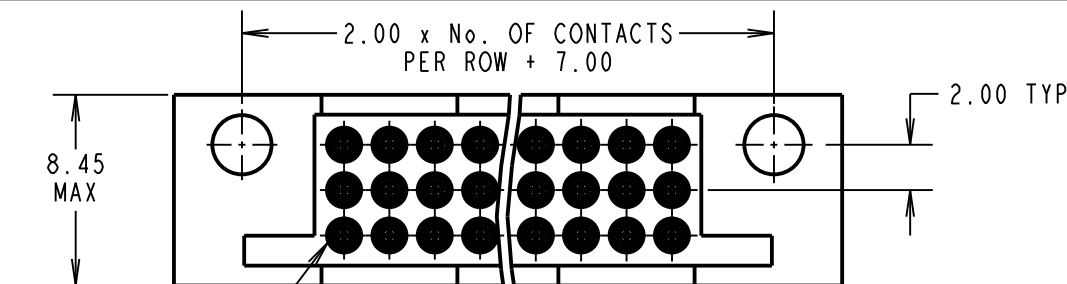
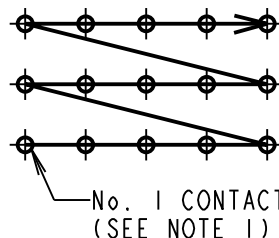
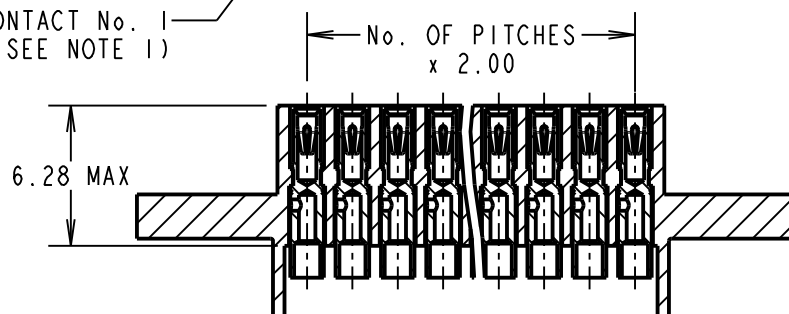
PACKING:

TRAYS

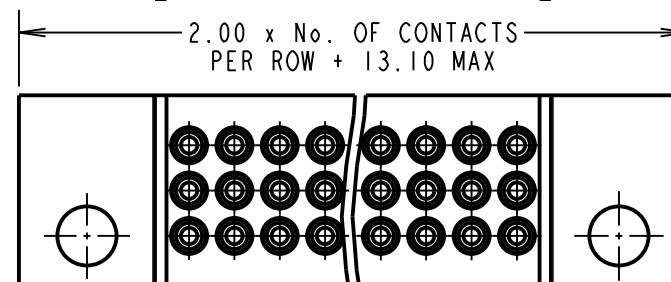
FOR COMPLETE SPECIFICATION, SEE COMPONENT
SPECIFICATION C005XX (LATEST ISSUE)

NOTES:

- FROM No. 1 POSITION, CONTACTS NUMBERED IN SEQUENCE FROM RIGHT TO LEFT AND FROM BOTTOM ROW TO TOP ROW.
- FOR EXTRA CONTACTS, USE PART NUMBER M80-0130005 FOR M80-708XX05 AND M80-0130001 FOR M80-708XX01.
- RECOMMENDED HAND CRIMP TOOL = M22520/2-01 WITH POSITIONER T5747. REFER TO INSTRUCTION SHEET IS-01 FOR COMPLETE CRIMPING INSTRUCTIONS.
- RECOMMENDED WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED, 24-28AWG, MAX INSULATION DIAMETER = $\varnothing 1.10\text{mm}$. STRIP WIRE BY 2.00mm.
- CONTACT INSERTION AND EXTRACTION TOOL = Z80-280. REFER TO INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.

CONTACT No. 1
(SEE NOTE 1)

SECTION X-X



SB	11	02.02.12	11642
NAME	ISS.	DATE	C/NOTE
APPROVED: S.BENNETT			
CHECKED: M.G.PLESTED			
DRAWN: I. SANDY			
CUSTOMER REF.:			
ASSEMBLY DRG:			

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DISCLOSED, LOANED, COPIED
OR USED FOR MANUFACTURING,
TENDERING OR FOR ANY
OTHER PURPOSE WITHOUT
THEIR WRITTEN PERMISSION.TOLERANCES
X. = $\pm 1\text{mm}$
X.X = $\pm 0.25\text{mm}$
X.XX = $\pm 0.10\text{mm}$
X.XXX = $\pm 0.01\text{mm}$
ANGLES = $\pm 5^\circ$
UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH: SEE ABOVE

S/AREA:

mm²

TITLE:

3-ROW DATAMATE
FEMALE CRIMP TAIL ASSY
(24-28 AWG)

DRAWING NUMBER:

M80-708XXXXSHT
2 OF 2

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Harwin:

[M80-7082705](#) [M80-7085105](#) [M80-7084505](#) [M80-7086305](#) [M80-7083605](#)