

# Customer Information Sheet

DRAWING No.: M80-705XXXX

SHEET 2 OF 2

IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

ORDER CODE:

**M80-705XXXX**

TOTAL No. OF CONTACTS

27, 36, 45, 51, 63

FINISH:

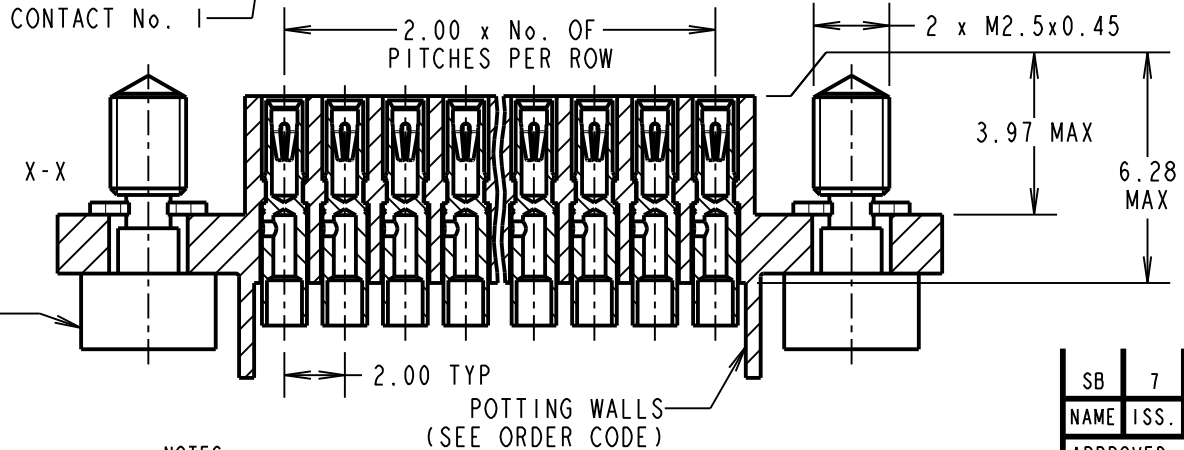
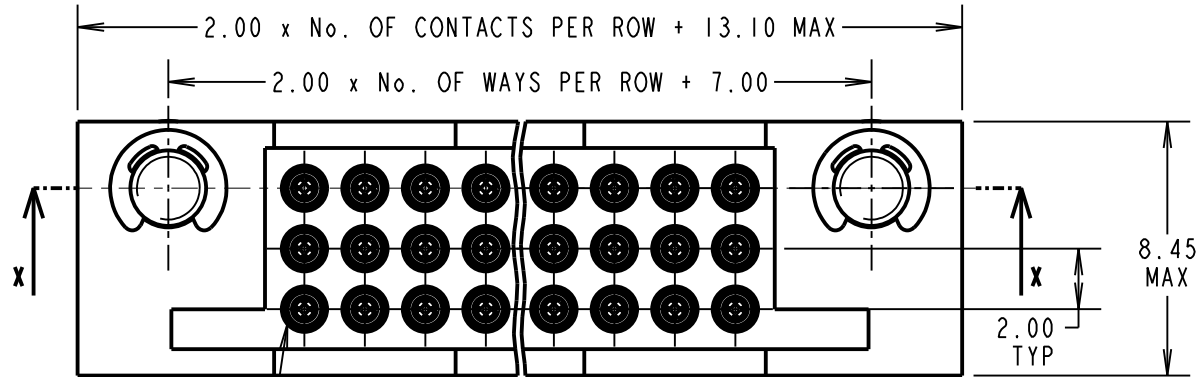
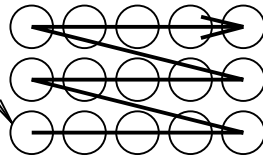
05 - GOLD BODY, GOLD CLIP

POTTING WALLS

BLANK - POTTING WALLS

A = REMOVE POTTING WALLS

CONTACT No. 1  
(SEE NOTE 1)



SPECIFICATION:

MATERIALS:

MOULDING = POLYAMIDE 46 UL94V-0

CONTACTS:

SHELL = COPPER ALLOY

CLIP = BERYLLIUM COPPER

JACKSCREWS, CIRCLIPS = STAINLESS STEEL

FINISH:

05 = 0.30µ CLIP, 0.25 - 0.30µ GOLD SHELL

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:

DURABILITY = 500 OPERATIONS

INSERTION FORCE = 2.8N MAX, 1.0N MIN

WITHDRAWAL FORCE = 1.8N MAX, 0.2N MIN

ENVIRONMENTAL:

TEMPERATURE RANGE = -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 LEFT TO RIGHT AND FROM BOTTOM ROW TO TOP ROW (LOOKING ON MATING FACE).
- RECOMMENDED WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED, 24 - 28AWG. MAX INSULATION DIAMETER = Ø1.10mm. STRIP WIRE BY 2.00mm.
- RECOMMENDED HAND CRIMP TOOL = M2520/2-01, WITH POSITIONER T5747. REFER TO CRIMPING INSTRUCTION SHEET IS-01 FOR COMPLETE CRIMPING INSTRUCTIONS.
- CONNECTOR SUPPLIED WITH CONTACTS LOOSE.
- CONTACT INSERTION AND EXTRACTION TOOL = Z80-280. REFER TO INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.

SB	7	17.02.12	11650
NAME	ISS.	DATE	C/NOTE
APPROVED: S.BENNETT			
CHECKED: S.FLOWER			
DRAWN: I. SANDY			
CUSTOMER REF.:			
ASSEMBLY DRG:			

## HARWIN

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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 CRIMP SOCKET ASSY (SMALL BORE) WITH JACKSCREWS

DRAWING NUMBER:

**M80-705XXXX**

SHT  
2 OF 2

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