

# Customer Information Sheet

DRAWING No.: M80-715XXXX SHEET 2 OF 2 IF IN DOUBT - ASK © NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm

**SPECIFICATION:**

**MATERIALS:**  
 MOULDING = POLYAMIDE 46 UL94V-0  
 CONTACTS = CLIP - BERYLLIUM COPPER, BODY - COPPER ALLOY  
 JACKSCREWS & CIRCLIPS = STAINLESS STEEL

**FINISH:**  
 01 = 3.5µ 90/10 TIN/LEAD BODY, 0.3µ GOLD CLIP  
 05 = 0.25 - 0.3µ 100% GOLD

**ELECTRICAL:**  
 CURRENT RATING AT 25°C -  
 SMALL = 3.0A MAX  
 LARGE = 15.0A MAX  
 CURRENT RATING AT 85°C -  
 SMALL = 2.2A MAX  
 LARGE = 11.0A 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:**  
 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 RIGHT TO LEFT AND FROM BOTTOM ROW TO TOP ROW (LOOKING ON MATING FACE).
- CONTACTS SUPPLIED UN-ASSEMBLED.
- RECOMMENDED WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED, 24 - 28AWG. MAX INSULATION DIAMETER = Ø1.10mm. STRIP WIRE BY 2.00mm. RECOMMENDED WIRE SIZE FOR POWER CONTACTS = 18 & 20AWG.
- RECOMMENDED HAND CRIMP TOOL = M22520/2-01 WITH POSITIONER T5747. REFER TO TOOLING INSTRUCTION SHEET IS-01 FOR COMPLETE CRIMPING INSTRUCTIONS.
- CONTACT INSERTION AND EXTRACTION TOOL = Z80-280. REFER TO INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.

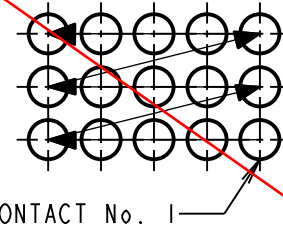
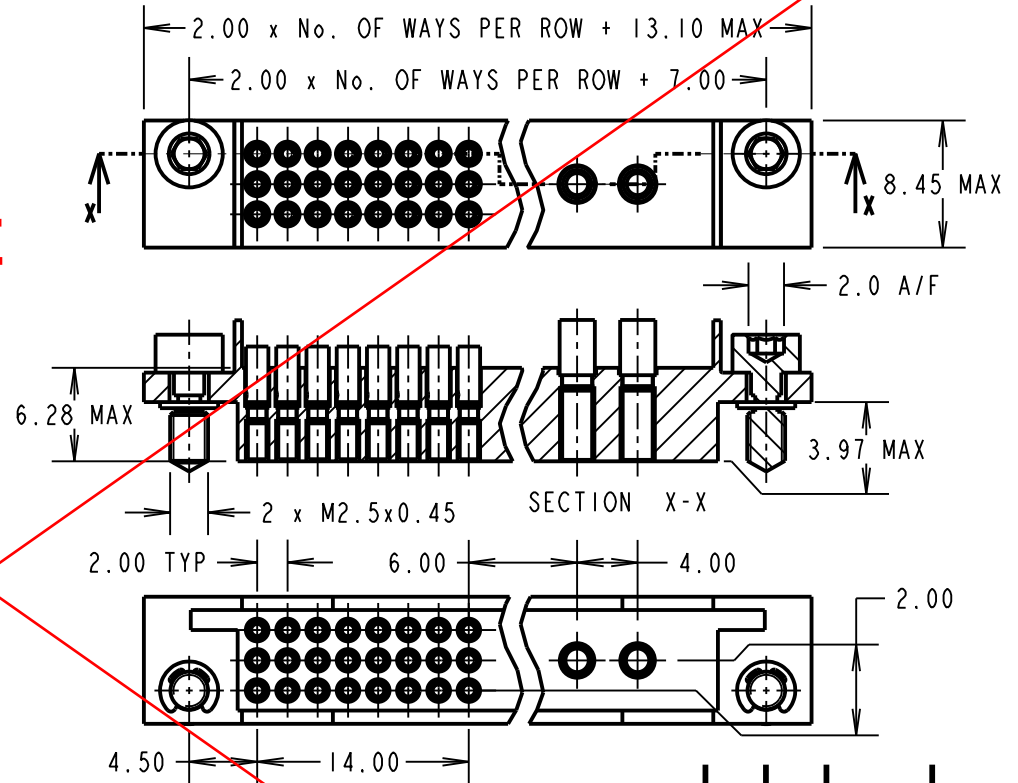
**OBSOLETE**

ORDER CODE: **M80-715XXXX**

No. OF SMALL CONTACTS: 06, 15, 24, 30, 42

FINISH:  
 01 - GOLD CLIP, TIN SHELL  
 05 - GOLD BODY, GOLD CLIP

POTTING WALLS  
 BLANK - POTTING WALLS  
 A - REMOVE POTTING WALLS



SM	7	04.08.11	11389
NAME	ISS.	DATE	C/NOTE
APPROVED: S. MCCULLAGH			
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DRAWN: W. J. BOURNE			
CUSTOMER REF.:			
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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 2mm PITCH FEMALE CRIMP + POWER SOCKET ASSY (SMALL BORE) + JACKSCREWS

**DRAWING NUMBER:**  
**M80-715XXXX**

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