

# Customer Information Sheet

DRAWING No.: M80-716XXXX

IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

**SPECIFICATIONS:**

**MATERIAL:**  
 MOULDING = POLYAMIDE 46 UL94V-0  
 CONTACTS = COPPER ALLOY  
 JACKSCREWS = STAINLESS STEEL, CIRCLIP = SPRING STEEL

**FINISH:**  
 CONTACTS:  
 01 = 2.5 - 3.0µ 100% TIN OVER NICKEL BODY,  
 0.30µ GOLD CLIP  
 05 = 0.25 - 0.30µ GOLD BODY, 0.30µ GOLD CLIP

CIRCLIP = ZINC & PASSIVATE

**ELECTRICAL:**  
 CURRENT RATING AT 25°C = 3.0A MAX (SMALL)  
 15.0A MAX (LARGE)  
 CURRENT RATING AT 85°C = 2.2A MAX (SMALL)  
 11.0A MAX (LARGE)  
 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:**

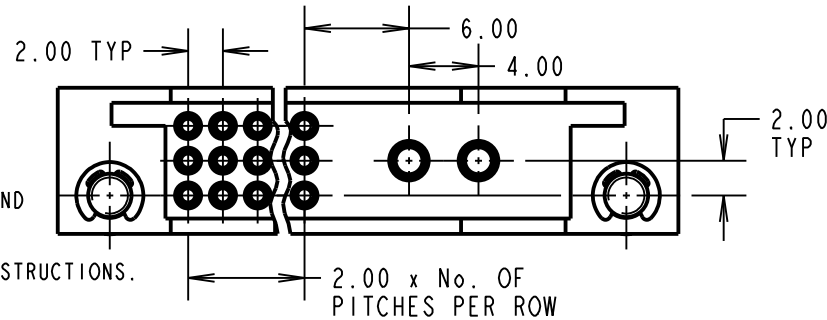
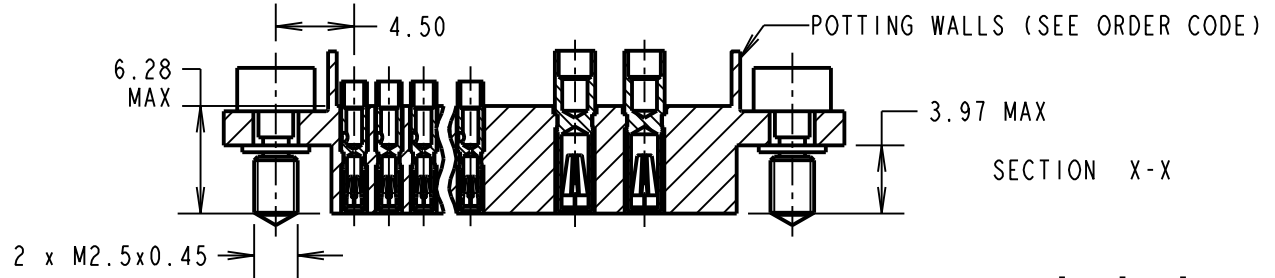
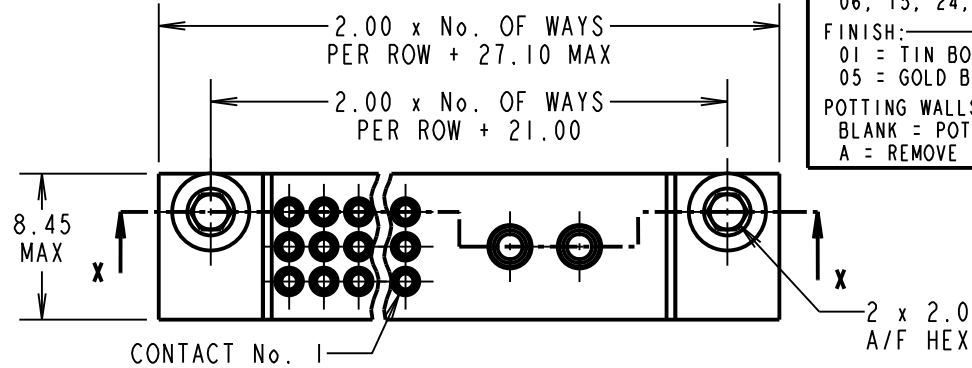
- FROM No. 1 POSITION, CONTACTS NUMBERED IN SEQUENCE FROM RIGHT TO LEFT AND FROM BOTTOM ROW TO TOP ROW.
- CONNECTOR SUPPLIED UN-ASSEMBLED.
- RECOMMENDED WIRE FOR SMALL CRIMPS = 22AWG PTFE INSULATED WIRE TO BS 3G 210 TYPE A, MAX INSULATION DIAMETER = Ø1.10mm. RECOMMENDED WIRE FOR LARGE CRIMPS = 18 & 20AWG PTFE INSULATED WIRE TO BS 3G 210 TYPE A.
- FOR EXTRA CONTACTS, USE PART NUMBER M80-0110005 FOR M80-716XX05 AND M80-0110001 FOR M80-716XX01.
- 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 TOOLING INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.

**ORDER CODE: M80-716XXXX**

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

**FINISH:**  
 01 = TIN BODY, GOLD CLIP  
 05 = GOLD BODY, GOLD CLIP

**POTTING WALLS:**  
 BLANK = POTTING WALLS  
 A = REMOVE POTTING WALLS



SB	8	22.07.11	11376
NAME	ISS.	DATE	C/NOTE
APPROVED: S.BENNETT			
CHECKED: M.G.PLESTED			
DRAWN: J. CLAY			
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 2mm PITCH FEMALE CRIMP + POWER SOCKET ASSY (LARGE BORE) + JACKSCREWS

**DRAWING NUMBER:**  
**M80-716XXXX**

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