

# Customer Information Sheet

DRAWING No.: M80-718XXXX

IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

**SPECIFICATION:**

**MATERIAL:**  
 MOULDING: POLYAMIDE 46 UL94V-0, BLACK  
**CONTACTS:**  
 SHELL = BRASS  
 CLIP = BERYLLIUM COPPER

**FINISH:**  
**SIGNAL CONTACT:**  
 01 = 3.5µ 100% TIN OVER NICKEL BODY, 0.3µ GOLD CLIP  
 05 = 0.25-0.3µ GOLD SHELL, 0.3µ GOLD CLIP  
**POWER CONTACT:**  
 01 = 0.5µ 100% TIN OVER NICKEL SHELL, 0.15µ GOLD CLIP  
 05 = 0.28µ GOLD SHELL, 0.15µ GOLD CLIP

**ELECTRICAL:**  
 CURRENT RATING AT 25°C = 3.0A MAX  
 CURRENT RATING AT 85°C = 2.2A MAX  
 WORKING VOLTAGE = 120V AC/DC  
 VOLTAGE PROOF = 360V AC/DC  
 CONTACT RESISTANCE = 25 mΩ MAX  
 INSULATION RESISTANCE = 100 MΩ MIN

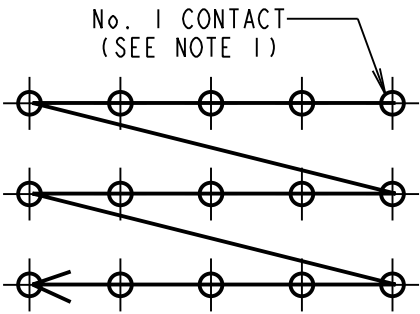
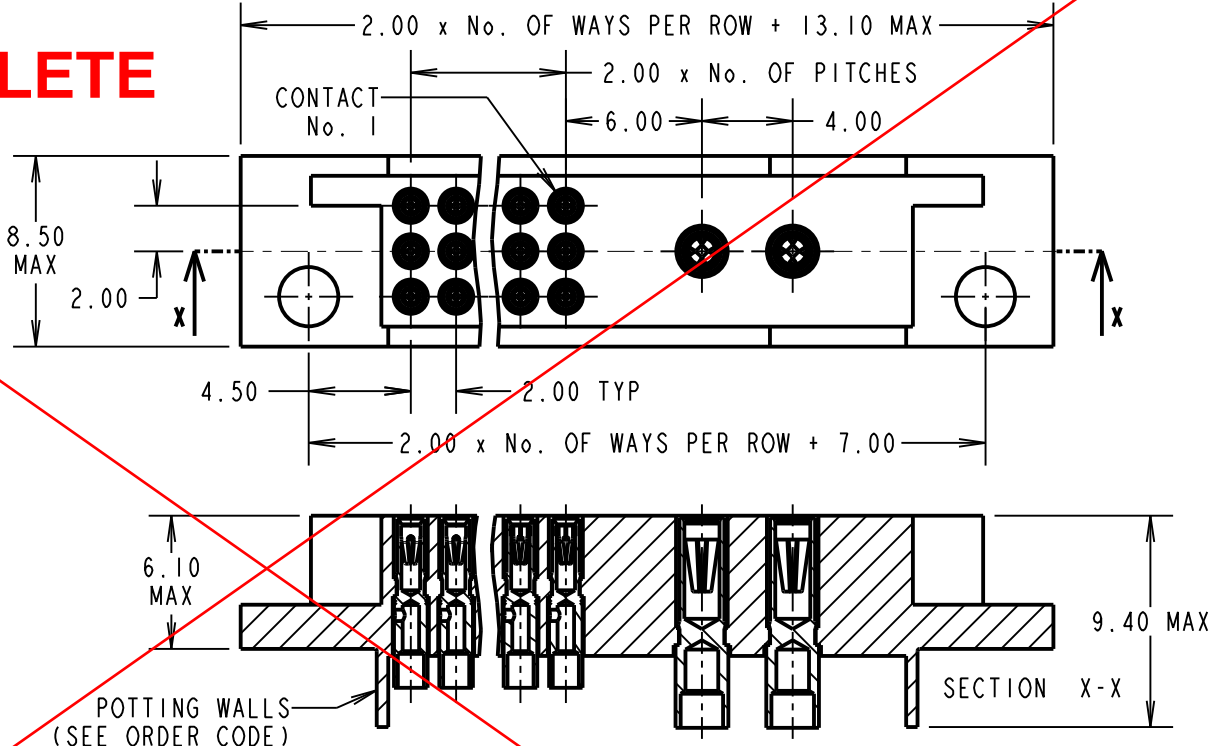
**MECHANICAL:**  
 INSERTION FORCE (∅0.5mm GAUGE) = 2.8N MAX  
 WITHDRAWAL FORCE (∅0.5mm GAUGE) = 0.2N MIN  
 DURABILITY = 500 OPERATIONS

**ENVIRONMENTAL:**  
 OPERATING TEMPERATURE = -55°C TO +125°C  
 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 SIGNAL CONTACTS, USE PART NUMBER M80-0130005 FOR M80-718XX05 AND M80-0130001 FOR M80-718XX01.
- RECOMMENDED HAND CRIMP TOOL = M22520/2-01 WITH POSITIONER T5747. REFER TO TOOLING INSTRUCTION SHEET IS-01 FOR COMPLETE CRIMPING INSTRUCTIONS.
- FOR EXTRA POWER CONTACTS, USE PART NUMBER M80-0550005 FOR M80-718XX05 AND M80-0550001 FOR M80-718XX01.
- CRIMP CONTACTS TO BE SUPPLIED LOOSE.
- RECOMMENDED WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED. SIGNAL CONTACT TO SUIT WIRE SIZES 24 - 28AWG, MAX INSULATION DIAMETER = ∅1.10mm. POWER CONTACT TO SUIT WIRE SIZES 18 & 20AWG. STRIP WIRE BY 2.00mm.
- CONTACT INSERTION AND EXTRACTION TOOL = Z80-280. REFER TO INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.

**OBSOLETE**



ORDER CODE: **M80-718XXXX**

TOTAL No. OF SIGNAL CONTACTS: 06, 15, 24, 30, 42

FINISH:  
 01 = GOLD CLIP, 100% TIN SHELL  
 05 = GOLD SHELL, GOLD CLIP

POTTING WALLS  
 BLANK = POTTING WALLS RETAINED  
 A = POTTING WALLS REMOVED

|                      |      |          |        |
|----------------------|------|----------|--------|
| SB                   | 8    | 02.02.12 | 11642  |
| NAME                 | ISS. | DATE     | C/NOTE |
| APPROVED: S.BENNETT  |      |          |        |
| CHECKED: M.G.PLESTED |      |          |        |
| DRAWN: M.A.TODD      |      |          |        |
| 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:** mm<sup>2</sup>

**TITLE:** DATAMATE 3-ROW CRIMP SOCKET ASSEMBLY, SMALL BORE AND POWER CRIMPS

**DRAWING NUMBER:** M80-718XXXX

SHT 2 OF 2