

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

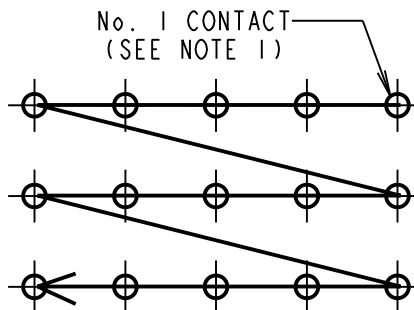
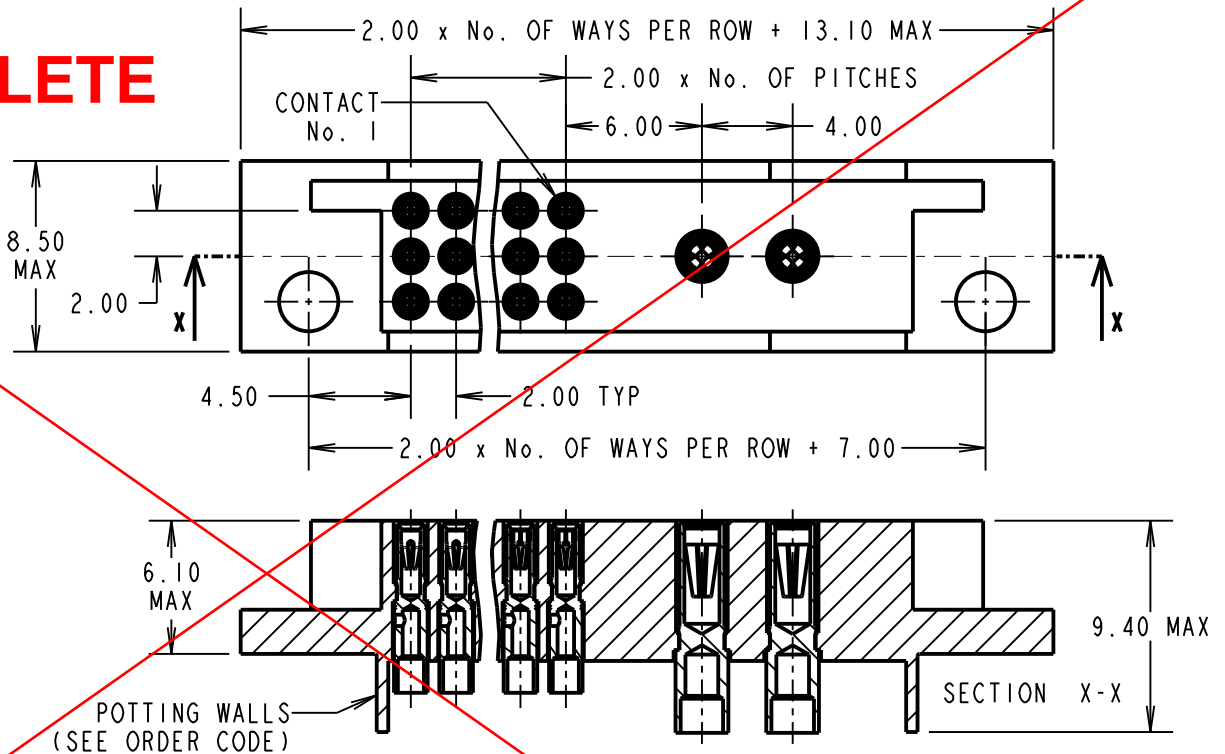
MECHANICAL:
 INSERTION FORCE (∅0.5mm GAUGE) = 2.8N MAX
 WITHDRAWAL FORCE (∅0.5mm GAUGE) = 0.2N MIN
 DURABILITY = 500 OPERATIONS

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:			

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: mm²

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

DRAWING NUMBER:
M80-718XXXX

SHT
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