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 (Ø0.5mm GAUGE) = 2.8N MAX
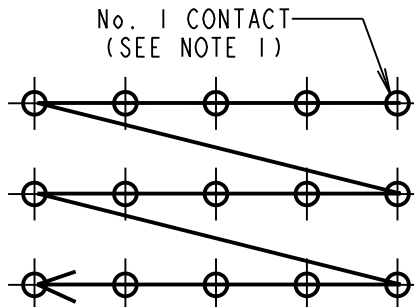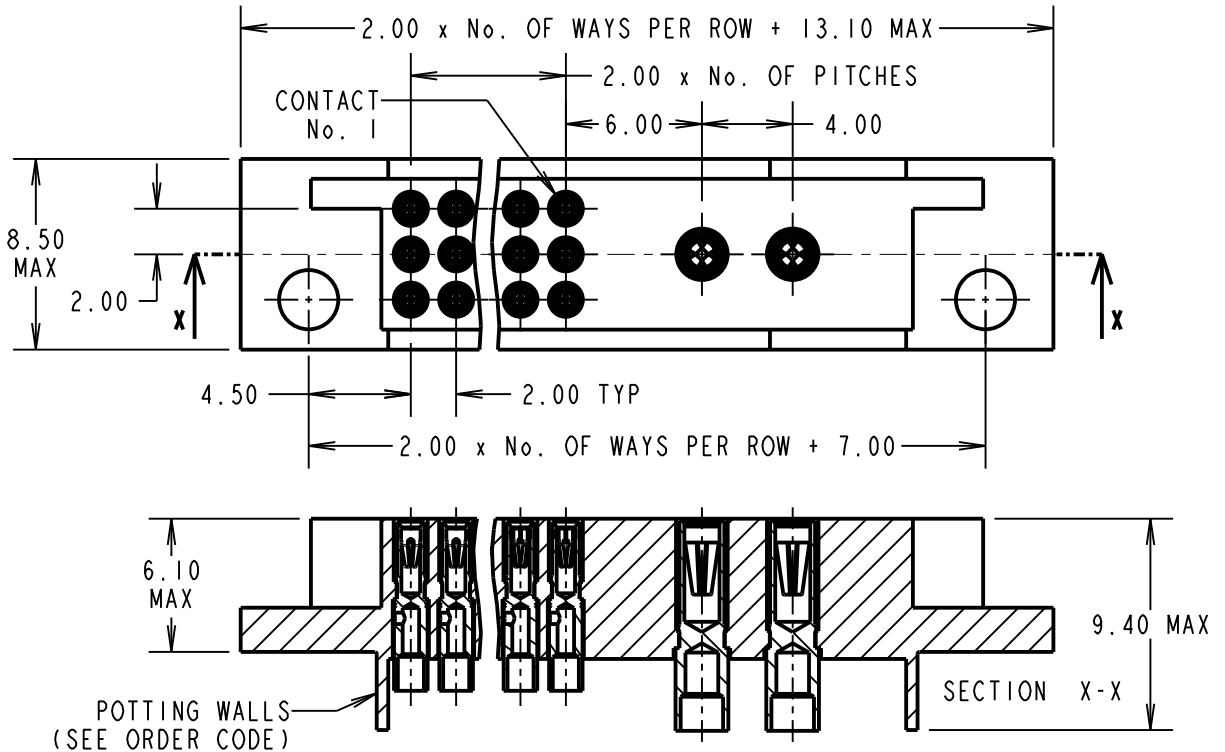 WITHDRAWAL FORCE (Ø0.5mm GAUGE) = 0.2N MIN
  DURABILITY = 500 OPERATIONS
 ENVIRONMENTAL:
  OPERATING TEMPERATURE = -55°C TO +125°C
FOR COMPLETE SPECIFICATION, SEE COMPONENT
SPECIFICATION C005XX (LATEST ISSUE)

NOTES:
1. FROM No. 1 POSITION, CONTACTS NUMBERED IN SEQUENCE FROM
   RIGHT TO LEFT AND FROM BOTTOM ROW TO TOP ROW.
2. FOR EXTRA SIGNAL CONTACTS, USE PART NUMBER M80-0130005
   FOR M80-718XX05 AND M80-0130001 FOR M80-718XX01.
3. RECOMMENDED HAND CRIMP TOOL = M22520/2-01 WITH
   POSITIONER T5747. REFER TO TOOLING INSTRUCTION SHEET IS-01
   FOR COMPLETE CRIMPING INSTRUCTIONS.
4. FOR EXTRA POWER CONTACTS, USE PART NUMBER M80-0550005
   FOR M80-718XX05 AND M80-0550001 FOR M80-718XX01.
5. CRIMP CONTACTS TO BE SUPPLIED LOOSE.
6. RECOMMENDED WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED.
   SIGNAL CONTACT TO SUIT WIRE SIZES 24 - 28AWG, MAX INSULATION
   DIAMETER = Ø1.10mm. POWER CONTACT TO SUIT WIRE SIZES 18 &
   20AWG. STRIP WIRE BY 2.00mm.
7. CONTACT INSERTION AND EXTRACTION TOOL = Z80-280. REFER TO
   INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.

2.00 x No. OF WAYS PER ROW + 13.10 MAX
2.00 x No. OF PITCHES
CONTACT No. 1
6.00
4.00
8.50 MAX
2.00
4.50
2.00 TYP
2.00 x No. OF WAYS PER ROW + 7.00

6.10 MAX
POTTING WALLS (SEE ORDER CODE)
9.40 MAX
SECTION X-X

No. 1 CONTACT (SEE NOTE 1)

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

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