

# Customer Information Sheet

DRAWING No.: M80-709XXXX

SHEET 2 OF 2

IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

ORDER CODE:

**M80-709XXXX**

TOTAL No. OF CONTACTS

27, 36, 45, 51, 63

FINISH:

01 = SELECTIVE GOLD

05 = GOLD

POTTING WALLS:

BLANK = POTTING WALLS

A = REMOVE POTTING WALLS

SPECIFICATION:

MATERIALS:

MOULDING = POLYAMIDE 46 UL94V-0

CLIP = BERYLLIUM COPPER

BODY = COPPER ALLOY

FINISH:

01 = 0.3µ GOLD CLIP, 3.5-5.0µ 100% TIN OVER NICKEL SHELL

05 = 0.3µ GOLD CLIP AND SHELL

ELECTRICAL:

CURRENT RATING AT 25°C = 3.0A MAX

CURRENT RATING AT 85°C = 2.2A MAX

VOLTAGE PROOF = 360V AC/DC

CONTACT RESISTANCE (INITIAL) = 20mΩ MAX

CONTACT RESISTANCE (AFTER CONDITIONING) = 25mΩ MAX

INSULATION RESISTANCE (INITIAL) = 1000MΩ MIN

INSULATION RESISTANCE (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:

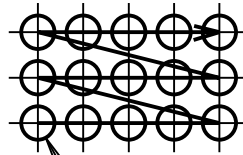
TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

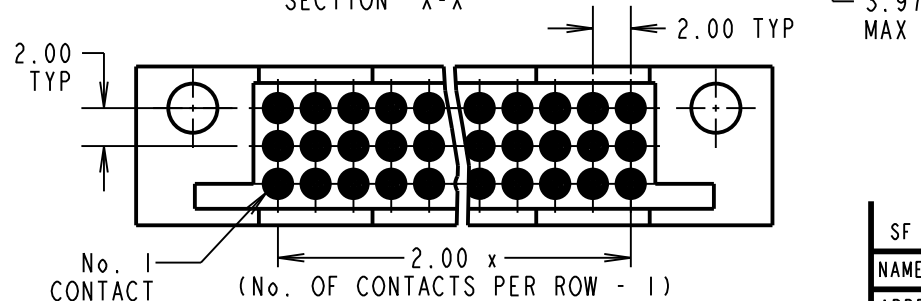
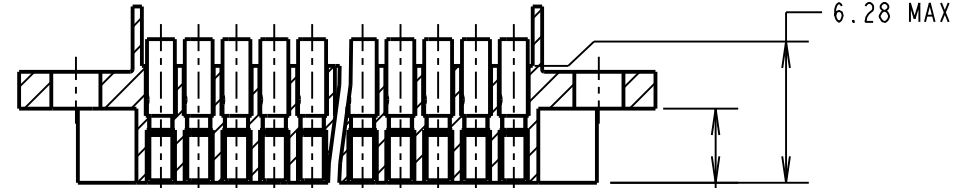
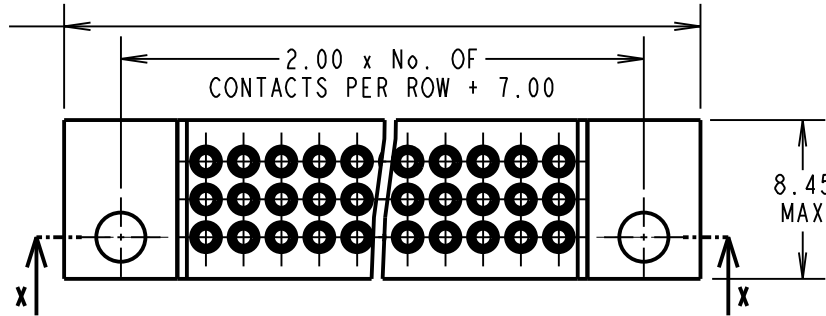
TRAYS

FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C017XX (LATEST ISSUE)

2.00 x No. OF CONTACTS  
PER ROW + 13.10 MAX



CONTACT No. 1  
(SEE NOTE 1)



NOTES:

1. FROM No. 1 POSITION, CONTACTS NUMBERED IN SEQUENCE FROM RIGHT TO LEFT AND FROM BOTTOM ROW TO TOP ROW (LOOKING ON MATING FACE).
2. CONNECTOR SUPPLIED UN-ASSEMBLED.
3. RECOMMENDED WIRE TYPE = BS 3G 210 PTFE INSULATED, 22AWG. MAX INSULATION DIAMETER = Ø1.10mm. STRIP WIRE BY 2.00mm.
4. RECOMMENDED HAND CRIMP TOOL = M22520/2-01 WITH POSITIONER T5747. REFER TO TOOLING INSTRUCTION SHEET IS-01 FOR COMPLETE CRIMPING INSTRUCTIONS.
5. CONTACT INSERTION AND EXTRACTION TOOL = 280-280. REFER TO TOOLING INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.

SF	7	09.04.13	12000
NAME	ISS.	DATE	C/NOTE
APPROVED:		S.FLOWER	
CHECKED:		M.G.PLESTED	
DRAWN:		W. J. BOURNE	
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 DATAMATE  
FEMALE CRIMP SOCKET ASSY  
22 AWG (LARGE BORE)

DRAWING NUMBER:

**M80-709XXXX**

SHT  
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