

# Customer Information Sheet

DRAWING No.: M80-713XXX

SHEET 2 OF 2

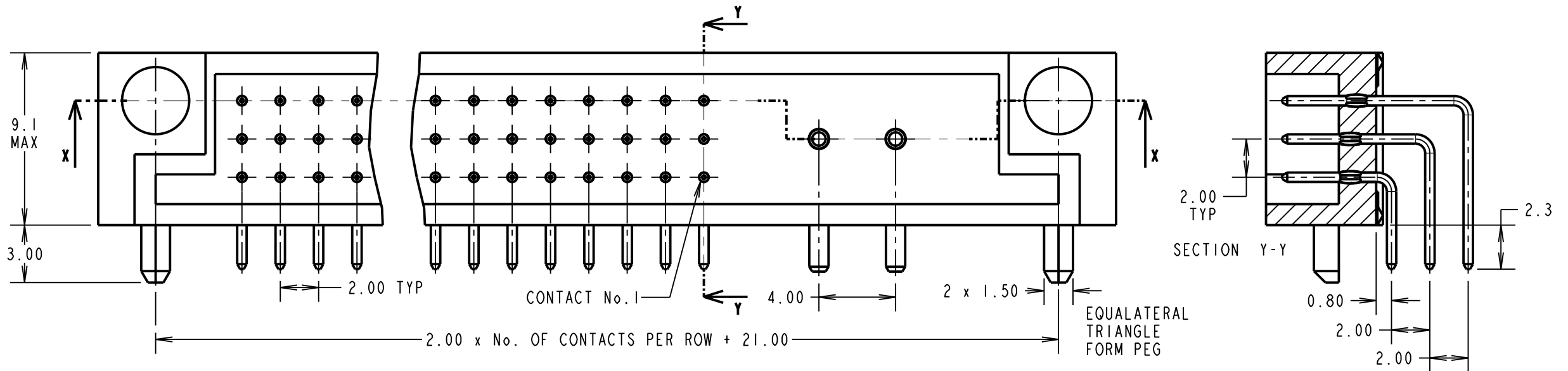
IF IN DOUBT - ASK

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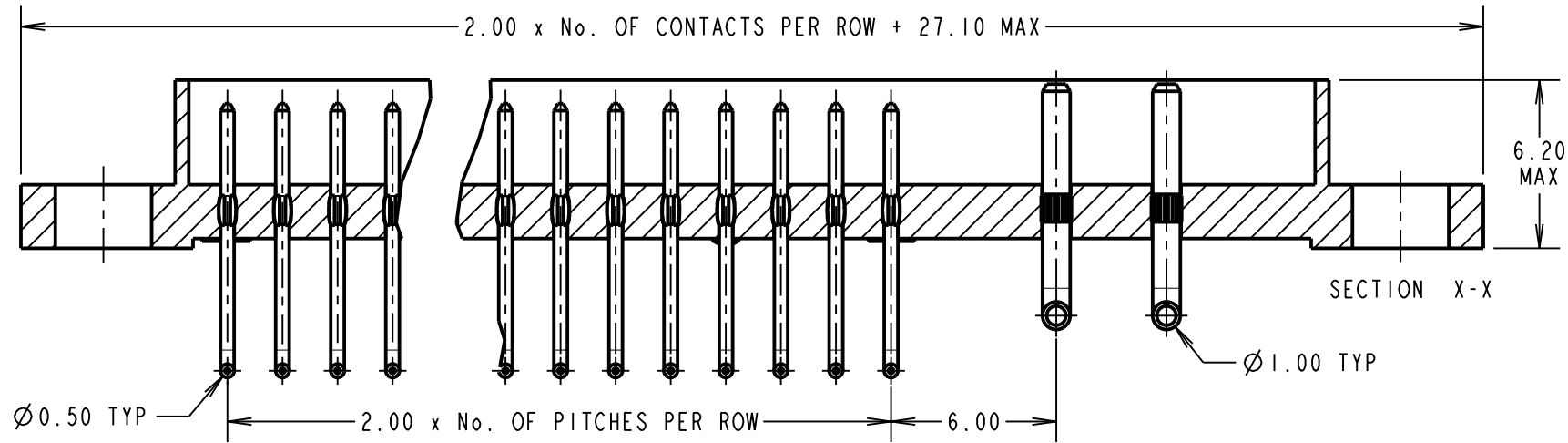
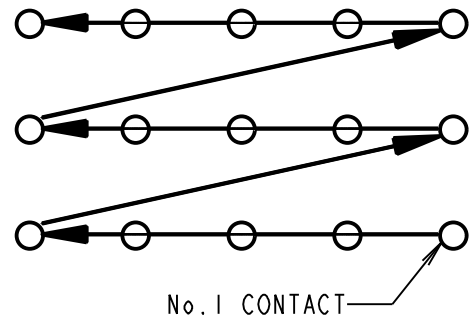
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



NOTES:  
1. FROM No. 1 POSITION, CONTACTS NUMBERED IN SEQUENCE FROM RIGHT TO LEFT, BOTTOM ROW TO TOP ROW (LOOKING ON MATING FACE)



## SPECIFICATION

### MATERIALS:

MOULDING - POLYIMIDE 46 UL94V-0  
CONTACTS (POWER) - BRASS  
CONTACTS (SIGNAL) - PHOSPHOR BRONZE

### FINISH:

POWER CONTACTS -  
05 - 0.25 - 0.3µ GOLD  
22 - 0.75µ GOLD, 90/10 TIN/LEAD SOLDER OVER TAILS  
42 - 0.75µ GOLD, 100% TIN SOLDER OVER TAILS  
SIGNAL CONTACTS -  
05 - 0.25 - 0.3µ GOLD  
22 - 0.75µ GOLD, 3.0µ 90/10 TIN/LEAD ON TAILS  
42 - 0.75µ GOLD, 3.0µ 100% TIN ON TAILS

### 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.  
AFTER CONDITIONING - 25mΩ MAX.  
INSULATION RESISTANCE:  
INITIAL - 1000MΩ MIN.  
AFTER CONDITIONING - 100MΩ MIN.

### MECHANICAL:

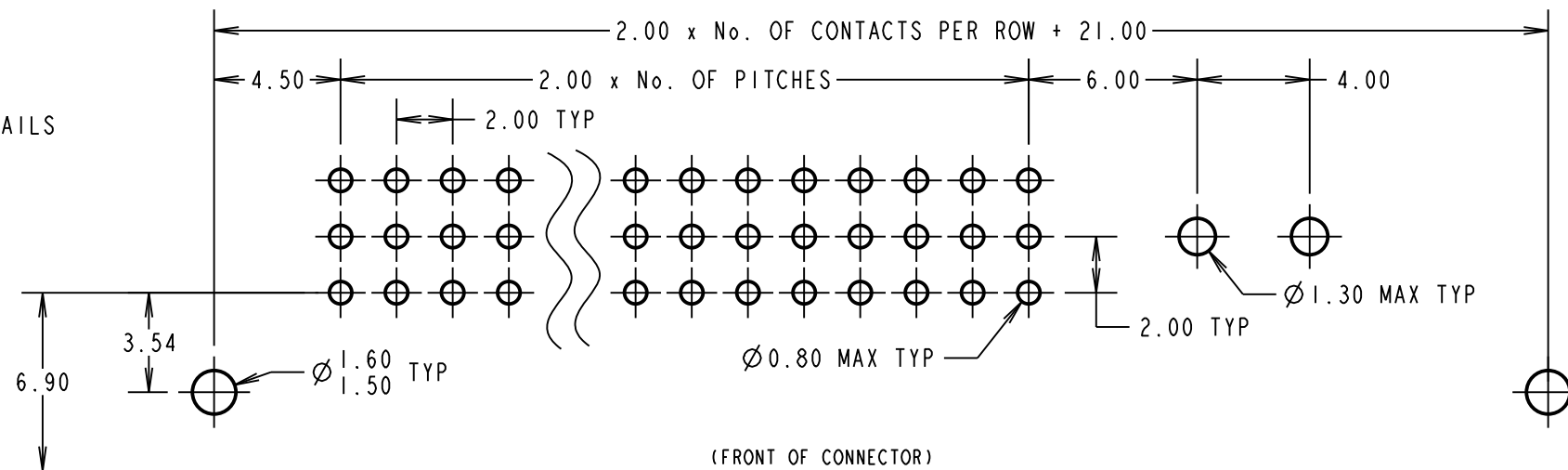
DURABILITY - 500 OPERATIONS

### ENVIRONMENTAL:

TEMPERATURE RANGE - -55°C TO +125°C

### PACKING: TRAY

FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION C017XX (LATEST ISSUE)



ORDER CODE:  
**M80-713XXX**

TOTAL No. OF CONTACTS (EXCLUDING POWER CONTACTS)  
06, 15, 24, 30, 42

FINISH:  
05 - GOLD  
22 - SELECTIVE GOLD, TIN//LEAD  
42 - SELECTIVE GOLD, 100% TIN

RECOMMENDED PCB LAYOUT

SM	10	05.12.11	11576
NAME	ISS.	DATE	C/NOTE
APPROVED: S. MCCULLAGH			
CHECKED: M. G. PLESTED			
DRAWN: S.FLOWER			
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 MIX-TEK 3-ROW MALE HORIZONTAL PC TAIL ASSY (WITH POWER CONTACTS)  
DRAWING NUMBER: **M80-713XXX**  
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