

# Customer Information Sheet

DRAWING No.: M80-616XXXX

SHEET 2 OF 2

IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

ORDER CODE:

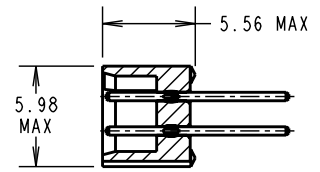
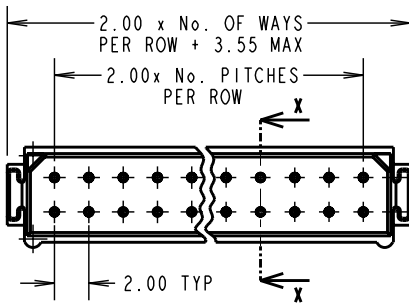
**M80-616XXXX**

TOTAL No. OF WAYS

04, 06, 08, 10, 12, 14,  
16, 18, 20, 26, 34, 44

FINISH:

22 = SELECTIVE GOLD + TIN/LEAD  
42 = SELECTIVE GOLD + 100% TIN  
45 = GOLD



SECTION X-X

**SPECIFICATIONS:**

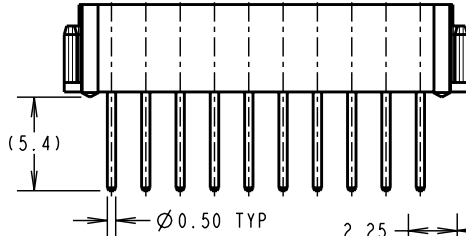
**MATERIAL:**  
MOULDING = POLYAMIDE 46 UL94V-0, BLACK  
CONTACTS = PHOSPHOR BRONZE

**FINISH:**  
**CONTACTS:**  
22 = 0.75µm GOLD ON CONTACT AREA.  
3.0µm 90/10 TIN/LEAD ON TAILS  
42 = 0.75µm GOLD ON CONTACT AREA.  
3.0µm 100% TIN ON TAILS  
45 = 0.75µm GOLD

**ELECTRICAL:**  
CURRENT RATING (25°C) = 3.0A MAX.  
CURRENT RATING (85°C) = 2.2A MAX.  
WORKING VOLTAGE = 120V AC/DC  
VOLTAGE PROOF = 360V AC/DC  
CONTACT RESISTANCE (INITIAL) = 20 mΩ MAX.  
CONTACT RESISTANCE (AFTER CONDITIONING) = 25 mΩ MAX.  
INSULATION RESISTANCE (INITIAL) = 1000 MΩ MIN.  
INSULATION RESISTANCE (AFTER CONDITIONING) = 100 MΩ MIN.

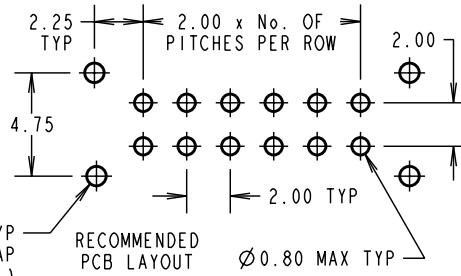
**MECHANICAL:**  
DURABILITY = 500 OPERATIONS  
ENVIRONMENTAL:  
TEMPERATURE RANGE = -55°C TO +125°C

**PACKING:**  
TUBE  
FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C005XXX (LATEST ISSUE)



**NOTES:**

1. 2-OFF STRAIN RELIEF STRAPS MAY BE USED WITH EACH CONNECTOR.



Ø 0.90 MIN TYP  
STRAIN RELIEF STRAP HOLES (OPTIONAL)

RA	5	02.03.09	10303
NAME	ISS.	DATE	C/NOTE
APPROVED:		R. ADDE	
CHECKED:		M.G.PLESTED	
DRAWN:		I. SANDY	
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:**  
DATAMATE DIL  
VERTICAL PC TAIL PLUG  
ASSEMBLY - UNLATCHED  
**DRAWING NUMBER:**  
**M80-616XXXX**

SHT  
2  
OF 2