

# Customer Information Sheet

DRAWING No.: M80-824XXXX

SHEET 2 OF 2

IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

ORDER CODE:  
**M80-824XXXX**

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

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

**SPECIFICATIONS:**

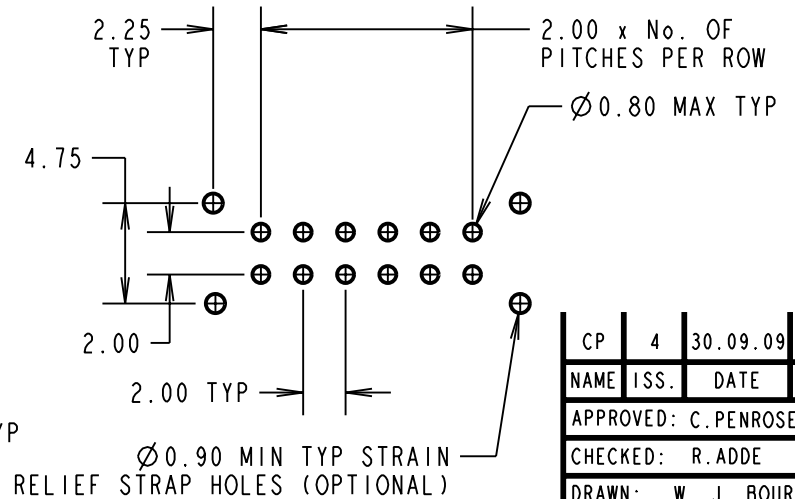
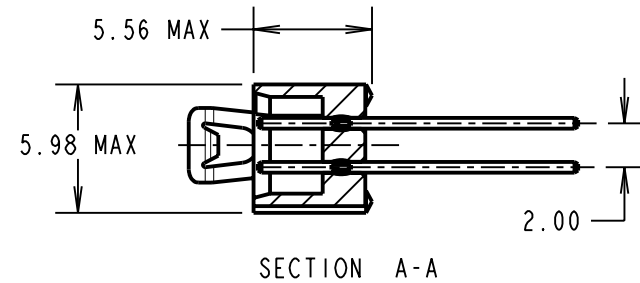
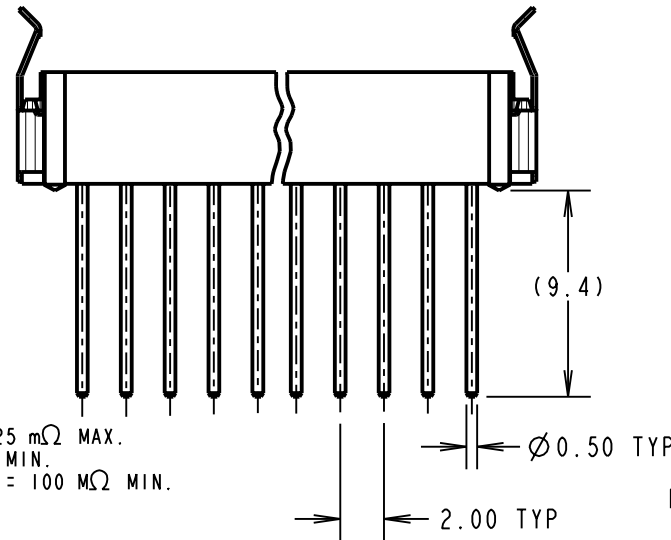
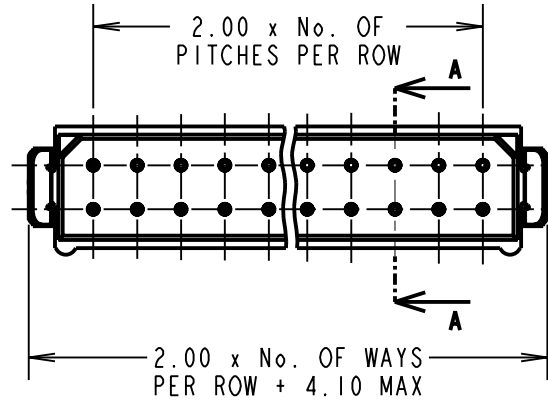
**MATERIAL:**  
MOULDING = POLYAMIDE 46 UL94V-0, BLACK  
CONTACTS = PHOSPHOR BRONZE  
LATCHES = BERYLLIUM COPPER

**FINISH:**  
**CONTACTS:**  
22 = 0.75µ GOLD ON CONTACT AREA.  
3.0µ 90/10 TIN/LEAD ON TAILS  
42 = 0.75µ GOLD ON CONTACT AREA.  
3.0µ 100% TIN ON TAILS  
45 = 0.75µ GOLD  
LATCH = 1.25µ NICKEL

**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)



RECOMMENDED PCB LAYOUT

CP	4	30.09.09	10303
NAME	ISS.	DATE	C/NOTE
APPROVED: C.PENROSE			
CHECKED: R.ADDE			
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:** DATAMATE DIL  
VERTICAL PC TAIL PLUG  
ASSEMBLY - LATCHED  
**DRAWING NUMBER:**  
**M80-824XXXX**

SHT  
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