

# Customer Information Sheet

DRAWING No.: M80-850XXX

IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

**SPECIFICATIONS:**

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

**FINISH:**  
 CONTACTS (ALL OVER NICKEL):  
~~01 = 0.3µm GOLD CLIP, 3.5µm 90/10 TIN/LEAD SHELL~~  
 45 = 0.30µm GOLD CLIP, 0.28µm GOLD SHELL  
 42 = 0.30µm GOLD CLIP, 4.0µm 100% TIN SHELL

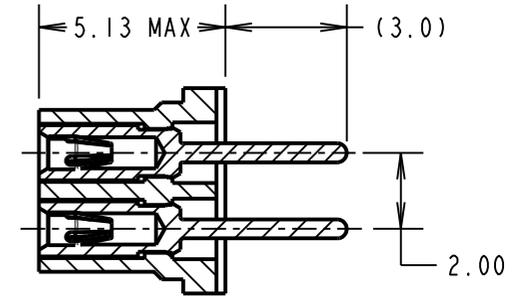
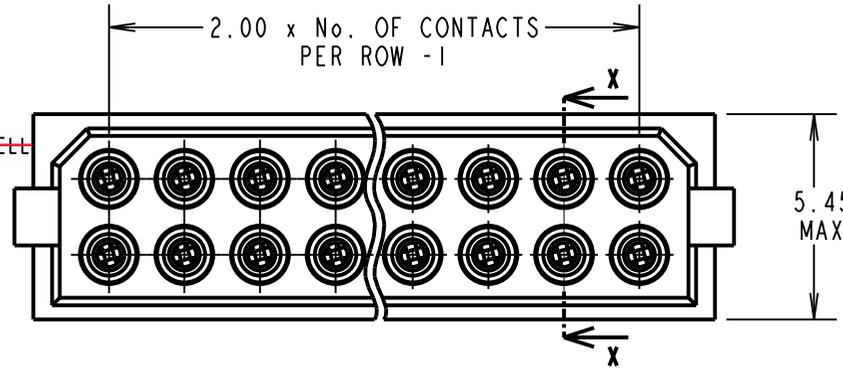
**ELECTRICAL:**  
 CURRENT RATING (25°C) = 3.0A MAX.  
 CURRENT RATING (85°C) = 2.2A MAX.  
 WORKING VOLTAGE = 800V AC/DC  
 VOLTAGE PROOF = 1200V AC/DC  
 CONTACT RESISTANCE:  
 INITIAL = 20 mΩ MAX.  
 AFTER CONDITIONING = 25 mΩ MAX.  
 INSULATION RESISTANCE:  
 INITIAL = 1000 MΩ MIN.  
 AFTER CONDITIONING = 100 MΩ MIN.

**MECHANICAL:**  
 DURABILITY = 500 OPERATIONS  
 INSERTION FORCE (∅0.5mm GAUGE) = 2N MAX  
 WITHDRAWAL FORCE (∅0.5mm GAUGE) = 0.2N MIN

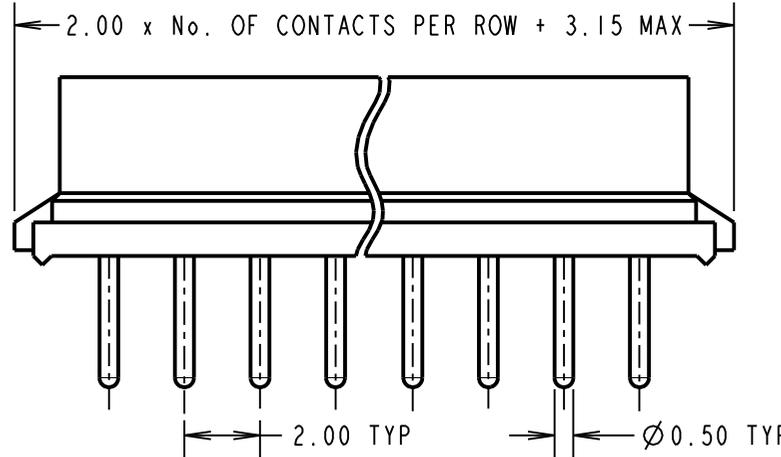
**ENVIRONMENTAL:**  
 TEMPERATURE RANGE = -55°C TO +125°C

**PACKING:**  
 TUBE

FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)



SECTION X-X



ORDER CODE:

**M80-850XXX**

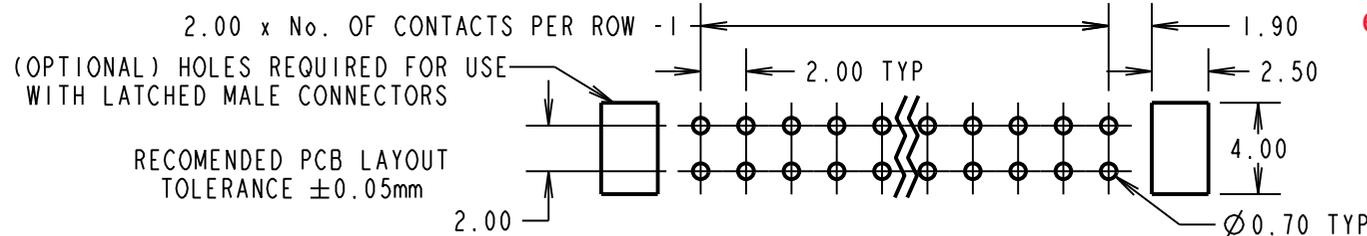
TOTAL No. OF WAYS \_\_\_\_\_  
 04, 06, 08, 10, 12, 14, 16,  
 18, 20, 26, 34, 44

FINISH: \_\_\_\_\_

~~01 = TIN/LEAD SHELL, GOLD CLIP~~  
 45 = GOLD SHELL, GOLD CLIP  
 42 = 100% TIN SHELL, GOLD CLIP

**OBSOLETE**

Order codes  
 ending 01 (Non-  
 RoHS finish)



MGP	12	10.03.21	30417
NAME	ISS.	DATE	CN/CO
APPROVED: MGP			
CHECKED: RA			
DRAWN: I. SANDY			
CUSTOMER REF.:			
ASSEMBLY DRG:			

**HARWIN**

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 technical@harwin.com

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**TOLERANCES**  
 X. = ±1mm  
 X.X = ±0.50mm  
 X.XX = ±0.20mm  
 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 SOCKET ASSEMBLY (RoHS)

**DRAWING NUMBER:** M80-850XXX

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