

Customer Information Sheet

DRAWING No.: M80-702XXXX

SHEET 2 OF 2

IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

SPECIFICATION:

MATERIAL:

MOULDING = POLYAMIDE 46 UL94V-0, BLACK (2.00 x No. OF CONTACTS PER ROW) + 7.00

CONTACT = PHOSPHOR BRONZE

FINISH (ALL OVER NICKEL):

05 = 0.25 - 0.3µ 100% GOLD

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

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) = 1,000MΩ MAX

INSULATION RESISTANCE (AFTER CONDITIONING) = 100MΩ MIN

MECHANICAL:

MAXIMUM INSERTION FORCE = No. OF CONTACTS x 2.8N (2.00 x No. OF CONTACTS PER ROW - 1)

MAXIMUM WITHDRAWAL FORCE = No. OF CONTACTS x 1.8N

MINIMUM WITHDRAWAL FORCE = No. OF CONTACTS x 0.2N

DURABILITY = 500 OPERATIONS

ENVIRONMENTAL:

OPERATING TEMPERATURE = -55°C TO +125°C

PACKING:

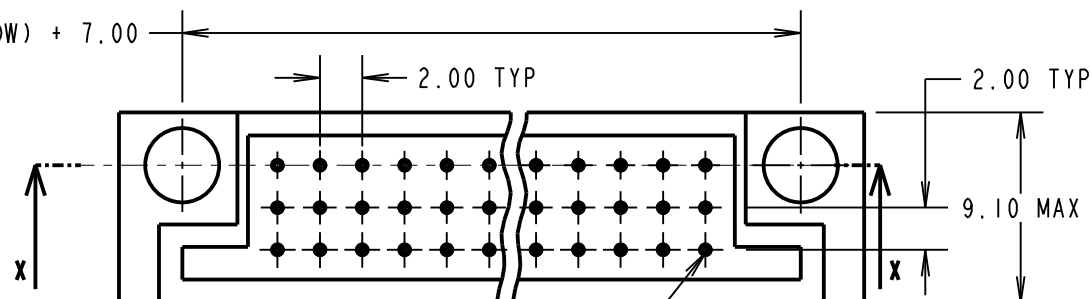
TRAYS

FOR COMPLETE SPECIFICATION, SEE COMPONENT

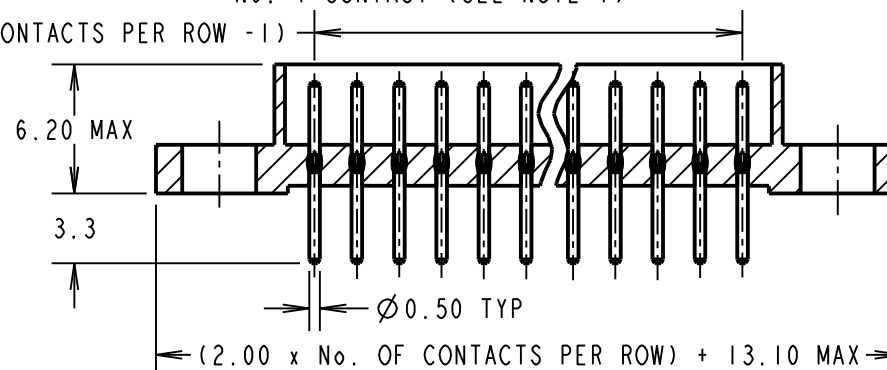
SPECIFICATION C017XX (LATEST ISSUE)

NOTES:

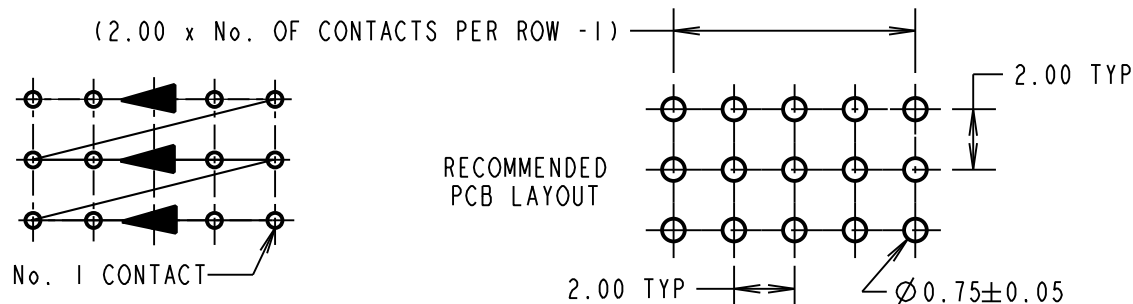
1. FROM No. 1 POSITION, CONTACTS NUMBERED IN SEQUENCE FROM RIGHT TO LEFT AND FROM BOTTOM ROW TO TOP ROW (SEE BELOW).



No. 1 CONTACT (SEE NOTE 1)



SECTION X-X



RECOMMENDED
PCB LAYOUT

ORDER CODE:

M80-702XXXX

TOTAL No. OF CONTACTS:
27, 36, 45, 51, 63

FINISH:

05 = 100% GOLD

22 = SELECTIVE GOLD + TIN/LEAD

42 = SELECTIVE GOLD + 100% TIN

MSP	9	15.04.15	12811
NAME	ISS.	DATE	C/NOTE
APPROVED:		M.PERREN	
CHECKED:		S.BENNETT	
DRAWN:		W. J. BOURNE	
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

www.harwin.com
technical@harwin.com

THIS DRAWING AND ANY
INFORMATION OR DESCRIPTIVE
MATTER SET OUT HEREON ARE
CONFIDENTIAL AND COPYRIGHT
PROPERTY OF THE HARWIN
GROUP AND MUST NOT BE
DISCLOSED, LOANED, COPIED
OR USED FOR MANUFACTURING,
TENDERING OR FOR ANY
OTHER PURPOSE WITHOUT
THEIR WRITTEN PERMISSION.

TOLERANCES

X. = ±1mm

X.X = ±0.50mm

X.XX = ±0.10mm

X.XXX = ±0.01mm

ANGLES = ±5°

UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH:

SEE ABOVE

S/AREA:

mm²

TITLE:

DATAMATE 3-ROW
MALE VERTICAL PC TAIL
ASSEMBLY

DRAWING NUMBER:

M80-702XXXX

SHT
2 OF 2

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Harwin:

[M80-7024522](#) [M80-7025122](#) [M80-7022722](#) [M80-7023642](#) [M80-7026342](#) [M80-7022742](#) [M80-7024542](#) [M80-7025142](#) [M80-7026322](#) [M80-7023622](#) [M80-6750401](#) [M80-8350622](#)