

Customer Information Sheet

DRAWING No.: M80-877XXXX

SHEET 2 OF 2

IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

SPECIFICATIONS:

MATERIAL:

MOULDING = GLASS-FILLED POLYESTER,
UL94V-0, BLACK

CONTACTS = PHOSPHOR BRONZE

LATCHES = BERYLLIUM COPPER

FINISH:

CONTACTS:

05 = 0.75µ GOLD

22 = 0.75µ GOLD ON CONTACT AREA.

3.0µ 90/10 TIN/LEAD ON TAILS

LATCH = 1.25µ NICKEL

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 (Ø0.5mm GAUGE) = 2.8N MAX

WITHDRAWAL FORCE (Ø0.5mm GAUGE) = 0.2N MIN

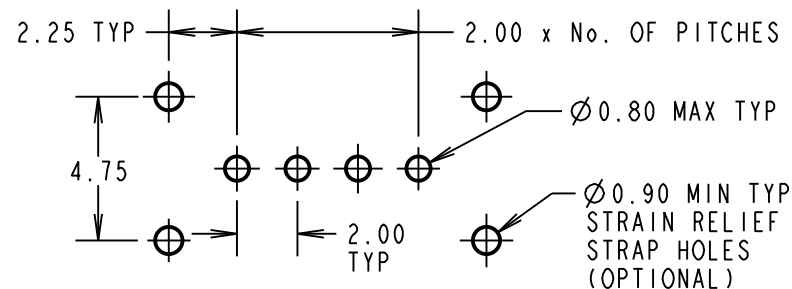
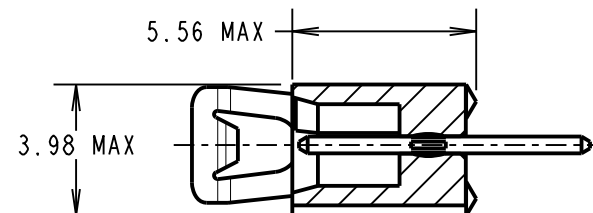
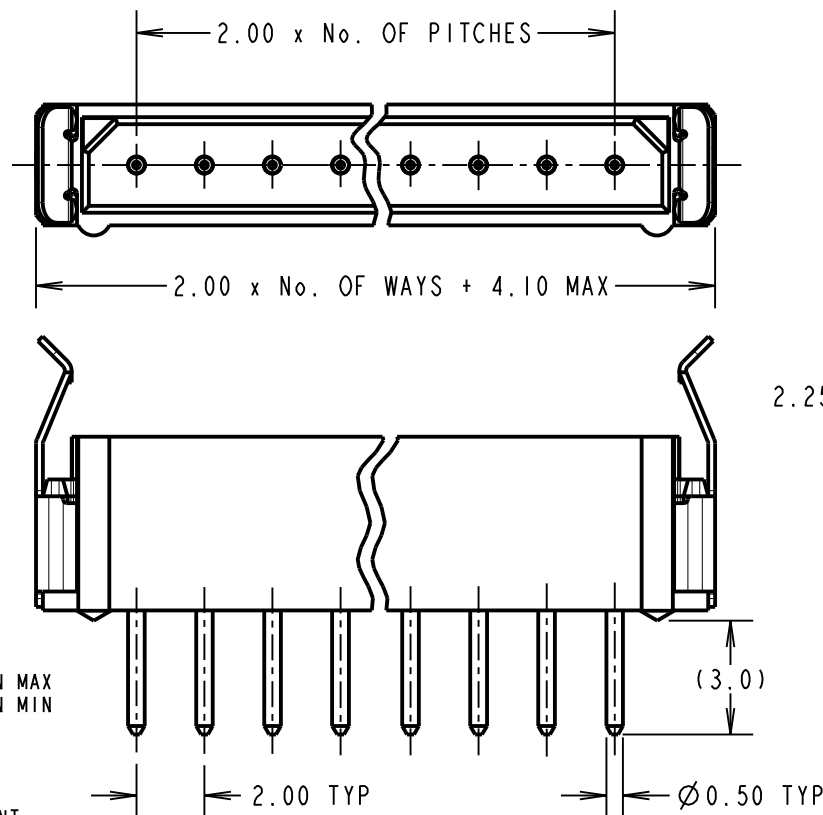
ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

TUBE

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



RECOMMENDED PCB LAYOUT

NOTES:

- 2-OFF STRAIN RELIEF STRAPS M80-0030006 MAY BE USED WITH THIS CONNECTOR.
- FOR RoHS COMPLIANT EQUIVALENT PRODUCT USE M80-882XXXX CONNECTORS.

BRITISH STANDARD ORDER CODE:

B5743-1XX-M-T-X

TOTAL No. OF WAYS

02 - 07, 17, 22.

FINISH:

1 = SELECTIVE GOLD + TIN/LEAD

3 = GOLD

ORDER CODE:

M80-877XXXX

TOTAL No. OF WAYS

02 - 07, 17, 22.

FINISH:

05 = GOLD

22 = SELECTIVE GOLD & TIN/LEAD

SB	14	06.03.12	11672
NAME	ISS.	DATE	C/NOTE
APPROVED: S.BENNETT			
CHECKED: S.FLOWER			
DRAWN: J. CLAY			
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:

mm²

TITLE:

DATAMATE SIL
VERTICAL MALE PC TAIL
ASSEMBLY - LATCHED

DRAWING NUMBER:

M80-877XXXX

SHT
2 OF 2

Mouser Electronics

Authorized Distributor

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

Harwin:

[M80-8770322](#) [M80-8770222](#) [M80-8770622](#) [M80-8770422](#) [M80-8772222](#) [M80-8771722](#) [B5743-117-M-T-1](#) [B5743-107-M-T-1](#) [B5743-103-M-T-1](#) [B5743-105-M-T-1](#) [B5743-104-M-T-1](#) [B5743-106-M-T-1](#) [B5743-102-M-T-1](#) [B5743-102-M-T-3](#) [M80-8770205](#) [M80-8770405](#) [M80-8770705](#) [M80-8771705](#) [M80-8770522](#) [M80-8770722](#)