

Customer Information Sheet

DRAWING No.: M80-879XXXX

SHEET 2 OF 2

IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

SPECIFICATIONS:

MATERIAL:

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

CONTACTS = PHOSPHOR BRONZE

LATCH = BERYLLIUM COPPER

FINISH:

CONTACTS:

05 = 0.75μ GOLD

22 = 0.75μ GOLD ON CONTACT AREA.

3.0 μ 90/10 TIN/LEAD ON TAILS

LATCH = 1.25μ NICKEL

MECHANICAL:

DURABILITY = 500 OPERATIONS

INSERTION FORCE ($\phi 0.5\text{mm}$ GAUGE) = 2.8N MAX

WITHDRAWAL FORCE ($\phi 0.5\text{mm}$ GAUGE) = 0.2N MIN

PACKING:

TUBE

ELECTRICAL:

CURRENT RATING AT 25°C = 3.0A MAX.

CURRENT RATING AT 85°C = 2.2A MAX.

WORKING VOLTAGE = 800V AC/DC

VOLTAGE PROOF = 1200V AC/DC

CONTACT RESISTANCE (INITIAL) = $20\text{ m}\Omega$ MAX.

CONTACT RESISTANCE (AFTER CONDITIONING) = $25\text{ m}\Omega$ MAX.

INSULATION RESISTANCE (INITIAL) = $1000\text{ M}\Omega$ MIN.

INSULATION RESISTANCE (AFTER CONDITIONING) = $100\text{ M}\Omega$ MIN.

ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO $+125^\circ\text{C}$

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

NOTES:

1. 2-OFF STRAIN RELIEF STRAPS M80-0030006 CAN BE ORDERED SEPARATELY IF REQUIRED.

2. FOR RoHS COMPLIANT EQUIVALENT PRODUCT USE M80-852XXXX.

BRITISH STANDARD ORDER CODE: TO BS9525 F0033

B5743-1XX-M-T-X

TOTAL No. OF WAYS

02 - 07, 17, 22.

FINISH:

0 = SELECTIVE GOLD

2 = GOLD

ORDER CODE:

M80-879XXXX

TOTAL No. OF WAYS

02 - 07, 17, 22.

FINISH:

05 = GOLD

22 = SELECTIVE GOLD

HARWIN

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TOLERANCES

X. = $\pm 1\text{mm}$
X.X = $\pm 0.25\text{mm}$
X.XX = $\pm 0.10\text{mm}$
X.XXX = $\pm 0.01\text{mm}$

ANGLES = $\pm 5^\circ$

UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH: SEE ABOVE

S/AREA:

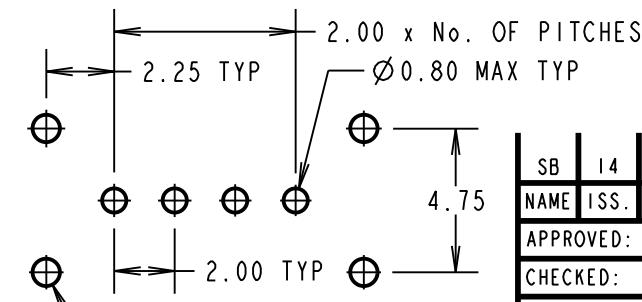
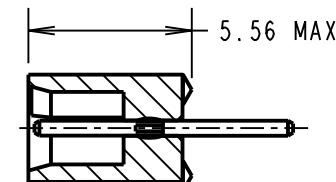
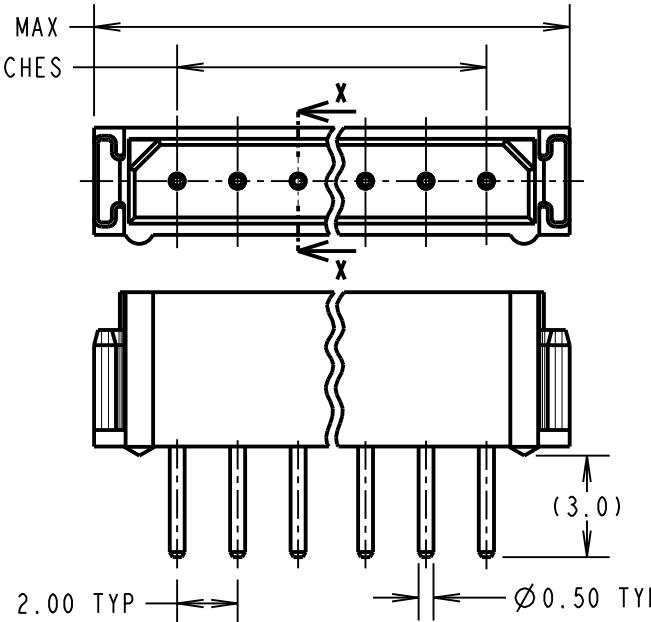
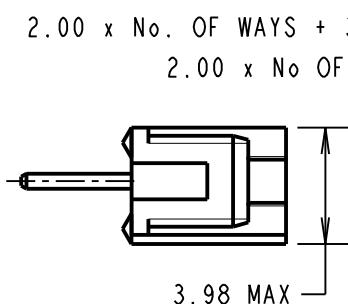
mm²

TITLE: DATAMATE 2mm PITCH
VERTICAL MALE PC TAIL SIL
ASSEMBLY - UNLATCHED

DRAWING NUMBER:

M80-879XXXX

SHT
2 OF 2



RECOMMENDED PCB LAYOUT

SB	14	06.03.12	11672
NAME	ISS.	DATE	C/NOTE

APPROVED: S.BENNETT

CHECKED: S.FLOWER

DRAWN: W.J.BOURNE

CUSTOMER REF.:

ASSEMBLY DRG.:

Mouser Electronics

Authorized Distributor

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

Harwin:

[B5743-117-M-T-0](#) [B5743-104-M-T-0](#) [B5743-106-M-T-0](#) [B5743-102-M-T-0](#) [B5743-105-M-T-0](#) [B5743-103-M-T-0](#)
[B5743-107-M-T-0](#) [M80-8790322](#) [M80-8790222](#) [M80-8790722](#) [M80-8790522](#) [M80-8791722](#) [M80-8790205](#) [M80-8790622](#) [M80-8792222](#) [M80-8790422](#) [B5743-103-M-T-2](#) [M80-8791705](#) [B5743-106-M-T-2](#) [B5743-104-M-T-2](#)