

Customer Information Sheet

DRAWING No.: M80-805XXXX

SHEET 2 OF 2

IF IN DOUBT - ASK

©

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

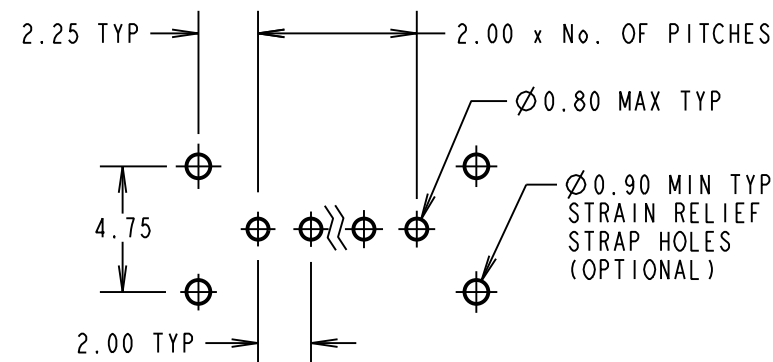
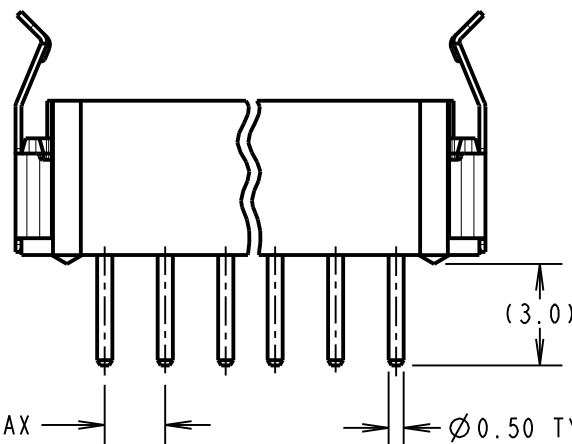
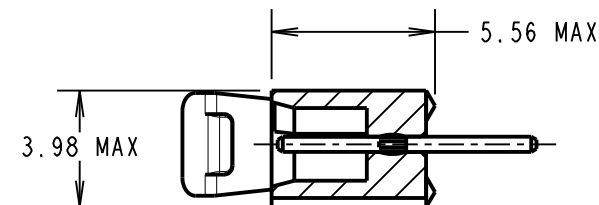
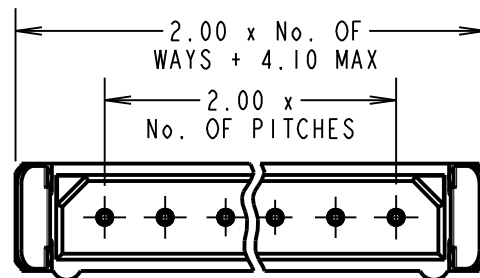
WITHDRAWAL FORCE (Ø0.5mm GAUGE) = 0.2N MIN

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 M80-881XXXX CONNECTORS.

BRITISH STANDARD ORDER CODE:

B5743-1XX-M-T-R

TOTAL No. OF WAYS

02 - 07, 17, 22

FINISH:

R = SELECTIVE GOLD & TIN/LEAD

ORDER CODE:

M80-805XXXX

TOTAL No. OF WAYS

02 - 07, 17, 22.

FINISH:

05 = GOLD

22 = SELECTIVE GOLD & TIN/LEAD

SB 11 05.03.12 11672

NAME ISS. DATE C/NOTE

APPROVED: S.BENNETT

CHECKED: S.FLOWER

DRAWN: D. BECK

CUSTOMER REF.:

ASSEMBLY DRG:

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technical@harwin.comTHIS DRAWING AND ANY
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OTHER PURPOSE WITHOUT
THEIR WRITTEN PERMISSION.**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 - FRICTION LATCH

DRAWING NUMBER:

M80-805XXXXSHT
2
OF
2

Mouser Electronics

Authorized Distributor

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

Harwin:

[M80-8050722](#) [M80-8050322](#) [M80-8051722](#) [M80-8050522](#) [M80-8050222](#) [M80-8050622](#) [M80-8052222](#) [M80-8050422](#)