

Customer Information Sheet

DRAWING No.: M80-815XXXX

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

ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

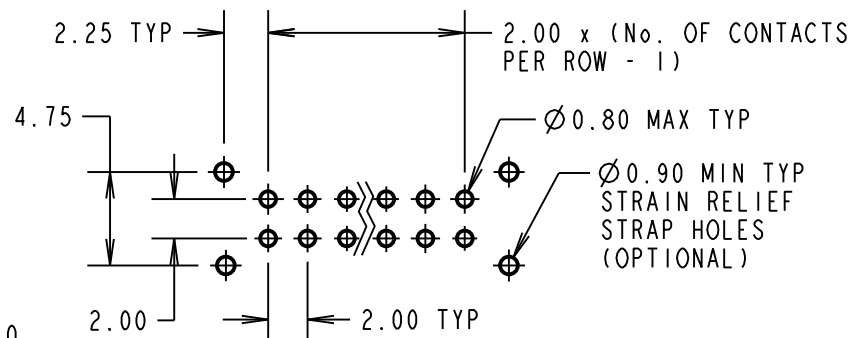
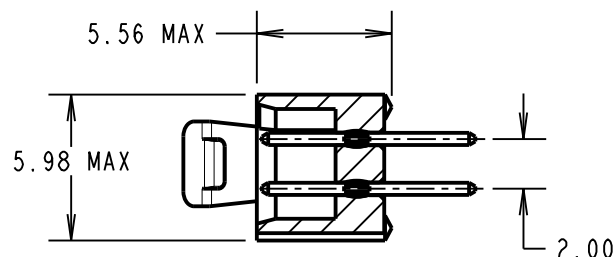
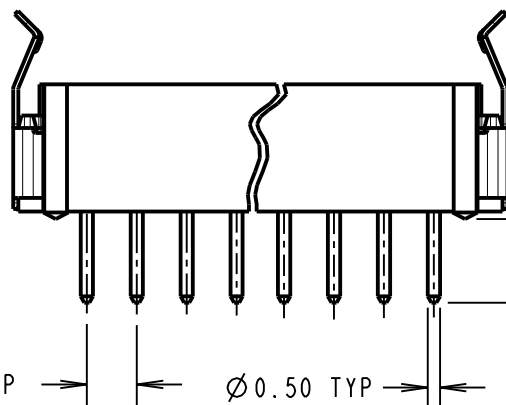
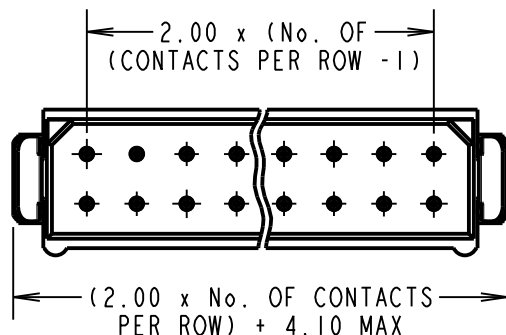
TUBE

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

2.00 TYP

Ø 0.50 TYP

3.0



RECOMMENDED PCB LAYOUT

NOTES:

- 2-OFF STRAIN RELIEF STRAPS M80-0030006 MAY BE USED WITH THIS CONNECTOR.
- FOR RoHS COMPLIANT EQUIVALENT PRODUCT USE M80-863XXXX CONNECTORS.

BRITISH STANDARD

ORDER CODE: TO BS9525 F0033

B5743-2XX-M-T-R

TOTAL No. OF CONTACTS:

04, 06, 08, 10, 12, 14, 16,
18, 20, 26, 34, 44

FINISH:

R = SELECTIVE GOLD + TIN/LEAD

ORDER CODE:

M80-815XXXX

TOTAL No. OF CONTACTS:

04, 06, 08, 10, 12, 14, 16,
18, 20, 26, 34, 44

FINISH:

05 = GOLD

22 = SELECTIVE GOLD + TIN/LEAD

SB	10	15.07.14	12531
NAME	ISS.	DATE	C/NOTE
APPROVED:		S.BENNETT	
CHECKED:		M.PLESTED	
DRAWN:		D. BECK	
CUSTOMER REF.:			
ASSEMBLY DRG:			

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technical@harwin.comTHIS DRAWING AND ANY
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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 = ±0.25mm
X.XX = ±0.10mm
X.XXX = ±0.01mm

ANGLES = ±5°

UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH:

SEE ABOVE

S/AREA:mm²**TITLE:**DATAMATE DIL
VERTICAL MALE PC TAIL
ASSEMBLY - FRICTION LATCH**DRAWING NUMBER:****M80-815XXXX**SHT
2
OF
2

Mouser Electronics

Authorized Distributor

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

Harwin:

[M80-8150622](#) [M80-8150822](#) [M80-8150422](#) [M80-8151422](#) [M80-8152622](#) [M80-8151222](#) [M80-8152022](#) [M80-8151622](#) [B5743-218-M-T-R](#) [B5743-210-M-T-R](#) [M80-8153422](#) [M80-8154422](#) [M80-8151022](#) [M80-8151822](#) [M80-8153405](#)