

Customer Information Sheet

DRAWING No.: M80-816XXXX

SHEET 2 OF 2

IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

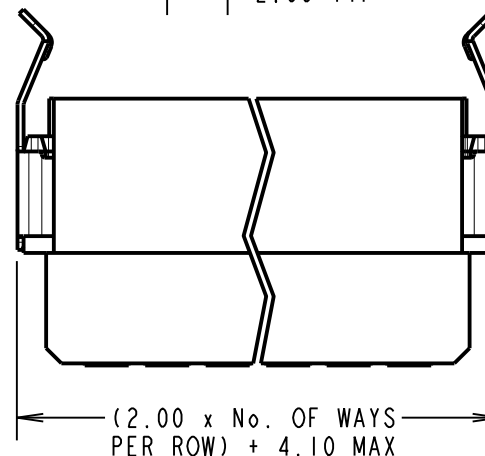
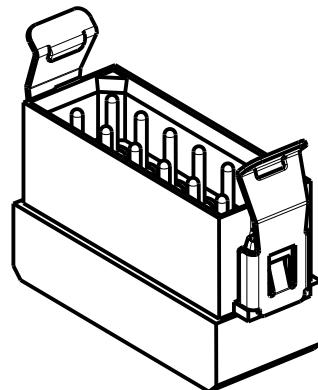
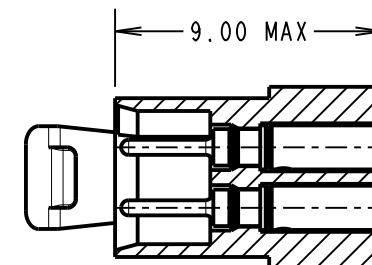
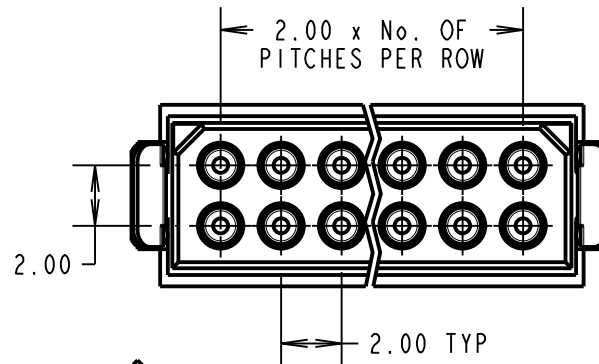
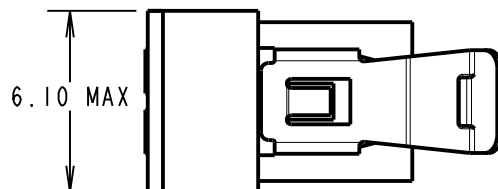
ALL DIMENSIONS IN mm

ORDER CODE:

M80-816XXXX

TOTAL No. OF WAYS
04, 06, 08, 10, 12

FINISH
05 - GOLD



SPECIFICATIONS:

MATERIAL:

MOULDING = GLASS-FILLED
POLYAMIDE 46 UL94V-0, BLACK

CONTACTS = COPPER ALLOY
LATCH = BERYLLIUM COPPER

FINISH:

CONTACTS:

05 = 0.25-0.30µ GOLD
LATCH = 1.25µ NICKEL

ELECTRICAL:

CURRENT RATING AT 25°C = 3.0A MAX

CURRENT RATING AT 85°C = 2.2A MAX

WORKING VOLTAGE = 120V AC/DC

VOLTAGE PROOF = 360V AC/DC

CONTACT RESISTANCE:

INITIAL = 20 mΩ MAX

AFTER CONDITIONING = 25 mΩ MAX

INSULATION RESISTANCE:

INITIAL = 1,000 MΩ MIN

AFTER CONDITIONING = 100 MΩ MIN

MECHANICAL:

DURABILITY = 500 OPERATIONS

ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

BAG (CONTACTS AND MOULDINGS UN-ASSEMBLED)
FOR COMPLETE SPECIFICATION, SEE COMPONENT
SPECIFICATION C005XX (LATEST ISSUE)

NOTES:

1. RECOMMENDED WIRE TYPE = BS3G210 TYPE A, PTFE INSULATED, 24-28 AWG. MAX INSULATION DIAMETER = Ø1.10mm, STRIP WIRE BY 2.00mm.
2. RECOMMENDED HAND CRIMP TOOL = M22520/2-01 WITH POSITIONER T5747.
3. CONTACT INSERTION AND EXTRACTION TOOL = Z80-280.
4. REFER TO INSTRUCTION SHEET IS-01 FOR CRIMPING INSTRUCTIONS AND INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.
5. FOR EXTRA CONTACTS USE PART NUMBER M80-0410005.

SM	8	05.08.11	11389
NAME	ISS.	DATE	C/NOTE
APPROVED: S. MCCULLAGH			
CHECKED: R. ADDE			
DRAWN: W. J. BOURNE			
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:

S/AREA:

mm²

TITLE: DATAMATE 2mm PITCH
CRIMP DIL FRICTION LATCH PLUG
ASSY, SMALL BORE (24-28 AWG)

DRAWING NUMBER:

M80-816XXXX

SHT
2 OF 2

Mouser Electronics

Authorized Distributor

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

Harwin:

[M80-8161005](#) [M80-8161205](#) [M80-8160405](#) [M80-8160605](#) [M80-8160805](#)