

# Customer Information Sheet

DRAWING No.: M80-883XXXX

SHEET 2 OF 2

IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

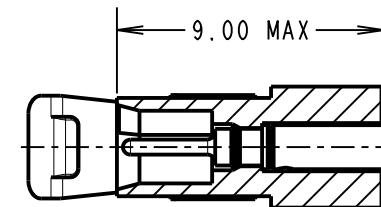
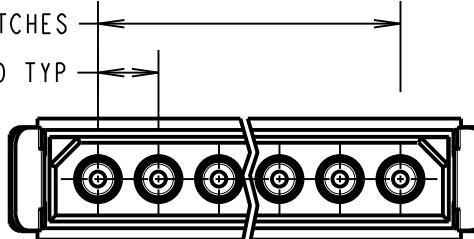
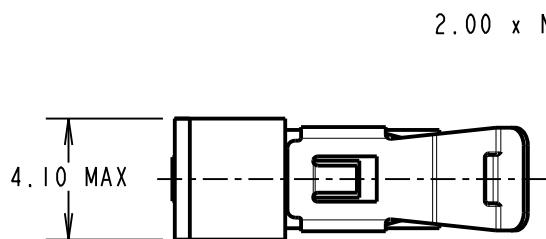
ALL DIMENSIONS IN mm

ORDER CODE:

**M80-883XXXX**

TOTAL No. OF WAYS  
02, 03, 04, 05, 06, 07

FINISH  
05 - GOLD



SECTION X-X

SPECIFICATIONS:

MATERIAL:

MOULDING = GLASS-FILLED  
POLYAMIDE 46 UL94V-0

CONTACTS = BRASS

LATCH = BERYLLIUM COPPER

FINISH:

CONTACTS:

05 = 0.25-0.30 $\mu$  GOLD

LATCH = 1.25 $\mu$  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 m $\Omega$  MAX

CONTACT RESISTANCE (AFTER CONDITIONING) = 25 m $\Omega$  MAX

INSULATION RESISTANCE (INITIAL) = 1,000 M $\Omega$  MIN

INSULATION RESISTANCE (AFTER CONDITIONING) = 100 M $\Omega$  MIN

MECHANICAL:

DURABILITY = 500 OPERATIONS

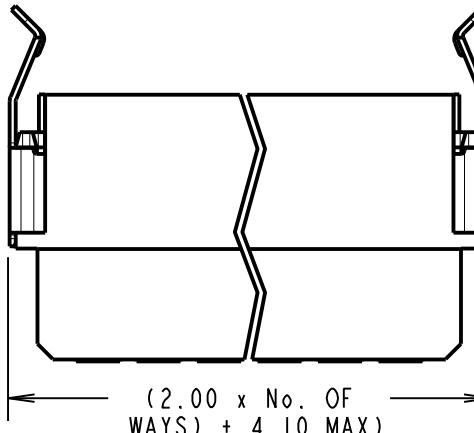
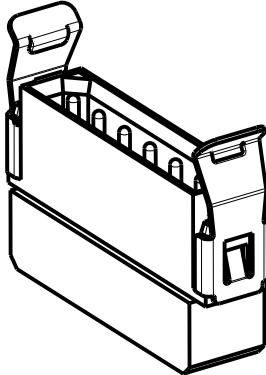
ENVIRONMENTAL:

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 = 01.10mm, STRIP WIRE BY 2.00mm.
2. RECOMMENDED HAND CRIMP TOOL = M22520/2-01 WITH POSITIONER T5747. REFER TO TOOLING INSTRUCTION SHEET IS-01 FOR COMPLETE CRIMPING INSTRUCTIONS.
3. CONTACT INSERTION AND EXTRACTION TOOL = Z80-280. REFER TO TOOLING INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.
4. CONNECTORS ARE SUPPLIED WITH CONTACTS LOOSE.
5. FOR EXTRA CONTACTS USE PART NUMBER M80-0410005.

MGP	3	29.07.11	11396
NAME	ISS.	DATE	C/NOTE

APPROVED: MGP

CHECKED: RA

DRAWN: W.J.BOURNE

CUSTOMER REF.:

ASSEMBLY DRG.:

**HARWIN**

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TOLERANCES

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

ANGLES =  $\pm 5^\circ$   
UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH:

SEE ABOVE

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

DRAWING NUMBER:

**M80-883XXXX**

SHT  
2  
OF 2

# Mouser Electronics

Authorized Distributor

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