

# Customer Information Sheet

DRAWING No.: M80-883XXXX

SHEET 2 OF 2

IF IN DOUBT - ASK

©

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

## SPECIFICATIONS:

## MATERIAL:

MOULDING = GLASS-FILLED  
POLYAMIDE 46 UL94V-0

CONTACTS = BRASS

LATCH = BERYLLIUM COPPER

## FINISH:

## CONTACTS:

05 = 0.25-0.30 $\mu$  GOLDLATCH = 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 $\Omega$  MAXCONTACT RESISTANCE (AFTER CONDITIONING) = 25 m $\Omega$  MAXINSULATION RESISTANCE (INITIAL) = 1,000 M $\Omega$  MININSULATION RESISTANCE (AFTER CONDITIONING) = 100 M $\Omega$  MIN

## MECHANICAL:

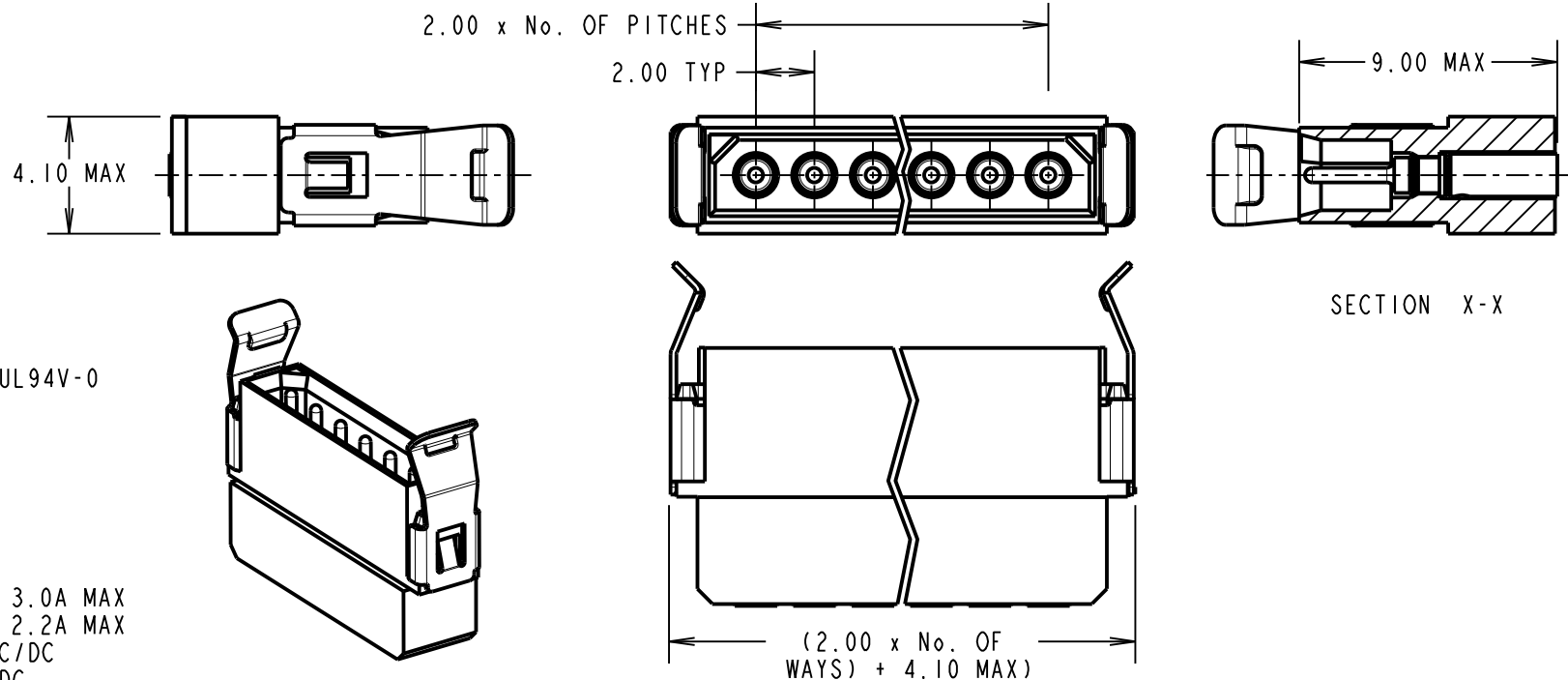
DURABILITY = 500 OPERATIONS

## 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 =  $\varnothing$ 1.10mm, 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**

HARWIN USA TEL: 603 893 5376 FAX: 603 893 5396 mis@harwin.com	HARWIN Europe (UK) TEL: 023 9231 4545 FAX: 023 9231 4590 mis@harwin.co.uk	HARWIN Asia TEL: +65 6 779 4909 FAX: +65 6 779 3868 mis@harwin.com.sg
--	--	--

THIS DRAWING AND ANY  
INFORMATION OR DESCRIPTIVE  
MATTER SET OUT HEREON ARE  
CONFIDENTIAL AND COPYRIGHT  
PROPERTY OF THE HARWIN  
GROUP AND MUST NOT BE  
DISCLOSED, LOANED, COPIED  
OR USED FOR MANUFACTURING,  
TENDERING OR FOR ANY  
OTHER PURPOSE WITHOUT  
THEIR WRITTEN PERMISSION.

## TOLERANCES

X. =  $\pm$ 1mm  
X.X =  $\pm$ 0.25mm  
X.XX =  $\pm$ 0.10mm  
X.XXX =  $\pm$ 0.01mmANGLES =  $\pm$ 5°

UNLESS STATED

## MATERIAL:

SEE ABOVE

## FINISH:

S/AREA:

mm<sup>2</sup>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

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

Harwin:

[M80-8830305](#) [M80-8830705](#) [M80-8830605](#) [M80-8830405](#) [M80-8830205](#) [M80-8830505](#)