

Customer Information Sheet

DRAWING No.: M80-808XXXX

IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

ORDER CODE:

M80-808XXXX

TOTAL No. OF CONTACTS
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 = 0.25-0.30µm GOLD

LATCH = 1.25µm NICKEL

ELECTRICAL:

CURRENT RATING AT 25°C = 3.0A MAX

CURRENT RATING AT 85°C = 2.2A MAX

WORKING VOLTAGE = 800V AC/DC

VOLTAGE PROOF = 1200V AC/DC

CONTACT RESISTANCE (INITIAL) = 20mΩ MAX

CONTACT RESISTANCE (AFTER CONDITIONING) = 25mΩ MAX

INSULATION RESISTANCE (INITIAL) = 1,000MΩ MIN

INSULATION RESISTANCE (AFTER CONDITIONING) = 100MΩ MIN

MECHANICAL:

DURABILITY = 500 OPERATIONS

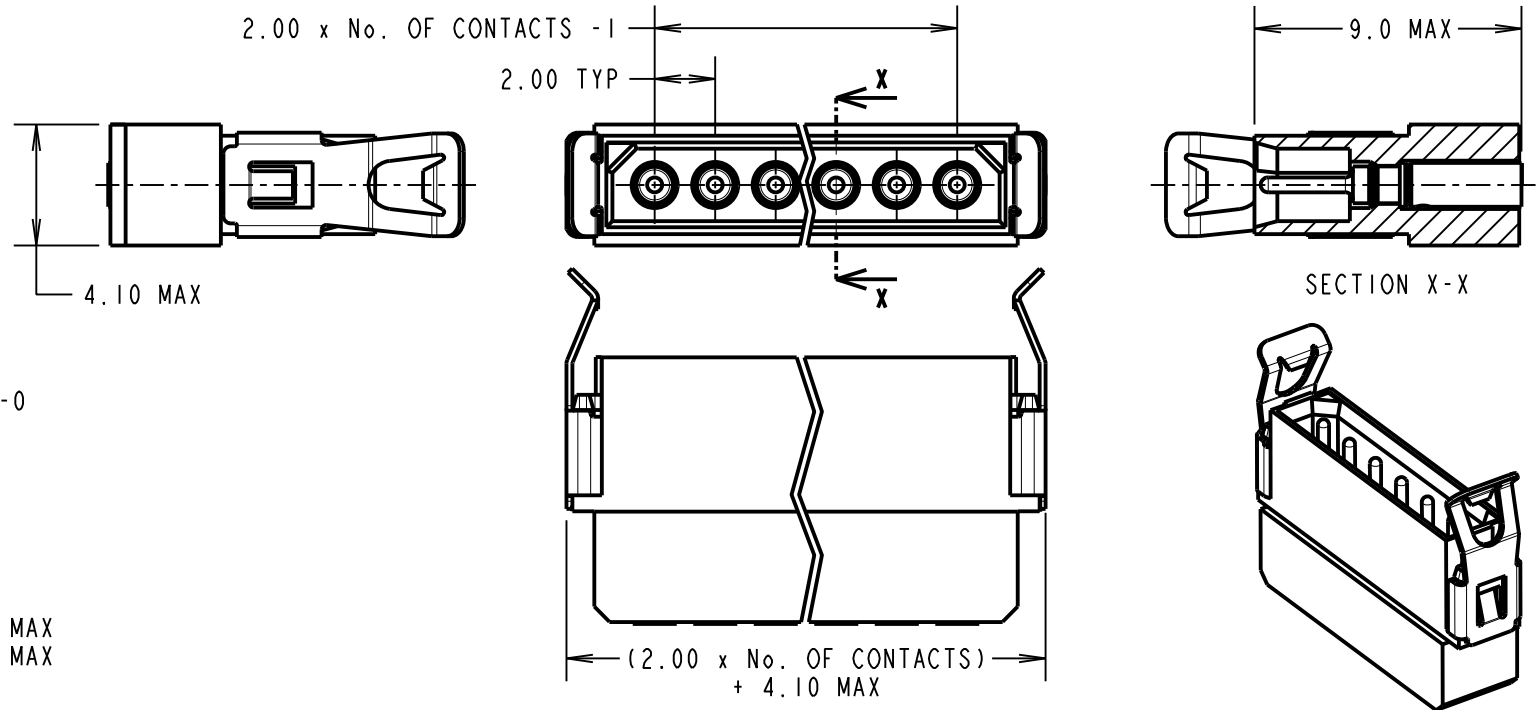
ENVIRONMENTAL:

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 TO BE USED WITH PTFE INSULATED WIRE, 24-28 AWG. MAX INSULATION DIAMETER = Ø1.10mm. 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 | 5 | 01.12.21 | 31135 |
| NAME | ISS. | DATE | CN/CO |
| APPROVED: MGP | | | |
| CHECKED: RA | | | |
| DRAWN: W. J. BOURNE | | | |
| CUSTOMER REF.: | | | |
| ASSEMBLY DRG: | | | |

HARWIN

www.harwin.com
technical@harwin.com

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. = ±1mm
X.X = ±0.50mm
X.XX = ±0.20mm
X.XXX = ±0.01mm

ANGLES = ±5°

UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH:

S/AREA:

mm²

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

DRAWING NUMBER:

M80-808XXXX

SHT
2 OF 2