

Customer Information Sheet

DRAWING No.: M80-816XXXX

SHEET 2 OF 2

IF IN DOUBT - ASK

C

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

ORDER CODE:

M80-816XXXX

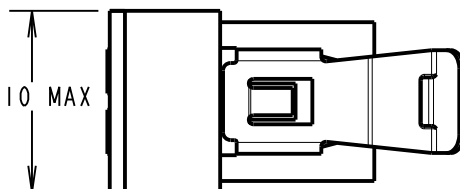
TOTAL No. OF WAYS

04, 06, 08, 10, 12

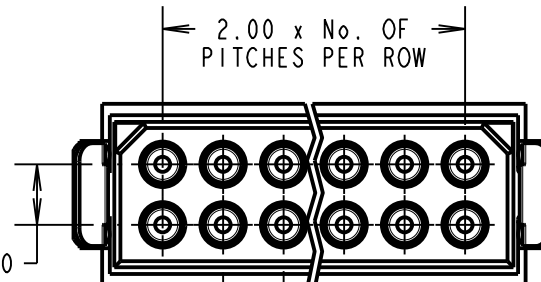
FINISH

05 - GOLD

6.10 MAX

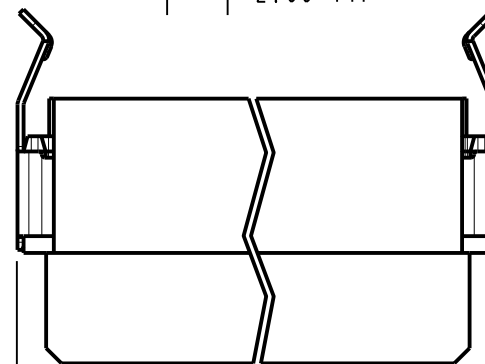
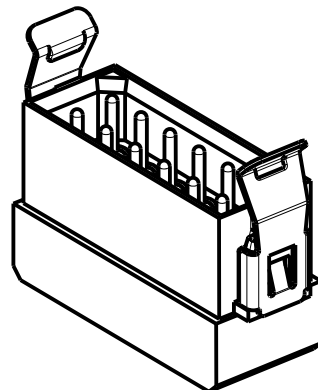
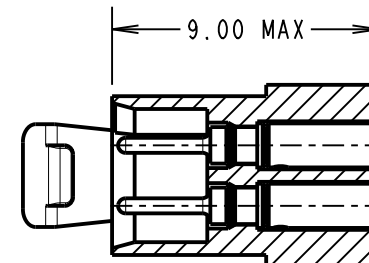


2.00

2.00 x No. OF
PITCHES PER ROW

2.00 TYP

9.00 MAX

(2.00 x No. OF WAYS
PER ROW) + 4.10 MAX

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

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. = ±1mm
X.X = ±0.25mm
X.XX = ±0.10mm
X.XXX = ±0.01mm

ANGLES = ±5°

UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH:

S/AREA:

mm²TITLE: DATAMATE 2mm PITCH
CRIMP DIL FRICTION LATCH PLUG
ASSY, SMALL BORE (24-28 AWG)

DRAWING NUMBER:

M80-816XXXXSHT
2 OF 2