

Customer Information Sheet

DRAWING No.: M80-810XX05

SHEET 2 OF 2

IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

ORDER CODE:

M80-810XX05

TOTAL No. OF WAYS

04, 06, 08, 10 & 12

FINISH

05 - GOLD

SPECIFICATIONS:

MATERIAL:

MOULDING = GLASS-FILLED
POLYAMIDE 46 UL94V-0

CONTACTS = COPPER ALLOY

FINISH:

CONTACTS:

05 = 0.25-0.30µ GOLD

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 = 20mΩ MAX

AFTER CONDITIONING = 25mΩ MAX

INSULATION RESISTANCE:

INITIAL = 1,000MΩ MIN

AFTER CONDITIONING = 100MΩ MIN

MECHANICAL:

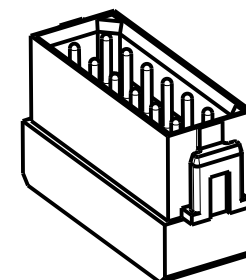
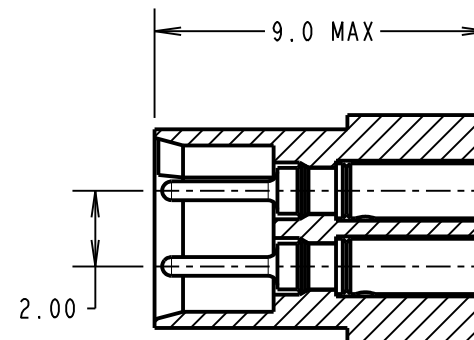
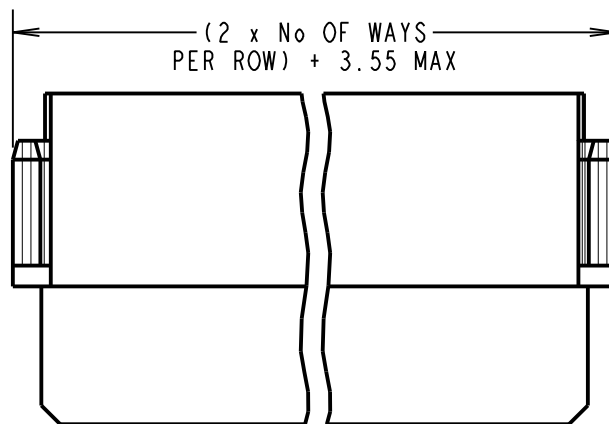
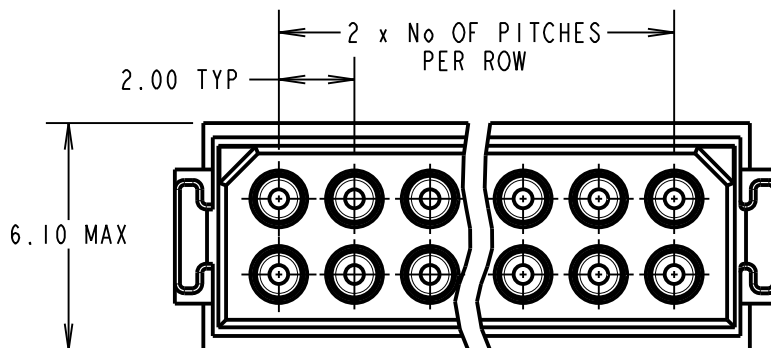
DURABILITY = 500 OPERATIONS

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:

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

SM	I	19.09.11	11467
NAME	ISS.	DATE	C/NOTE
APPROVED: S. MCCULLAGH			
CHECKED: M. G. PLESTED			
DRAWN: S. MCCULLAGH			
CUSTOMER REF.:			
ASSEMBLY DRG:			

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

ANGLES = ±5°

UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH:

S/AREA:

mm²TITLE: DATAMATE DIL CRIMP
MALE ASSEMBLY SMALL BORE
(24-28 AWG) - UNLATCHED

DRAWING NUMBER:

M80-810XX05SHT
2
OF 2