

# Customer Information Sheet

DRAWING No.: M80-813XXX

SHEET 2 OF 2

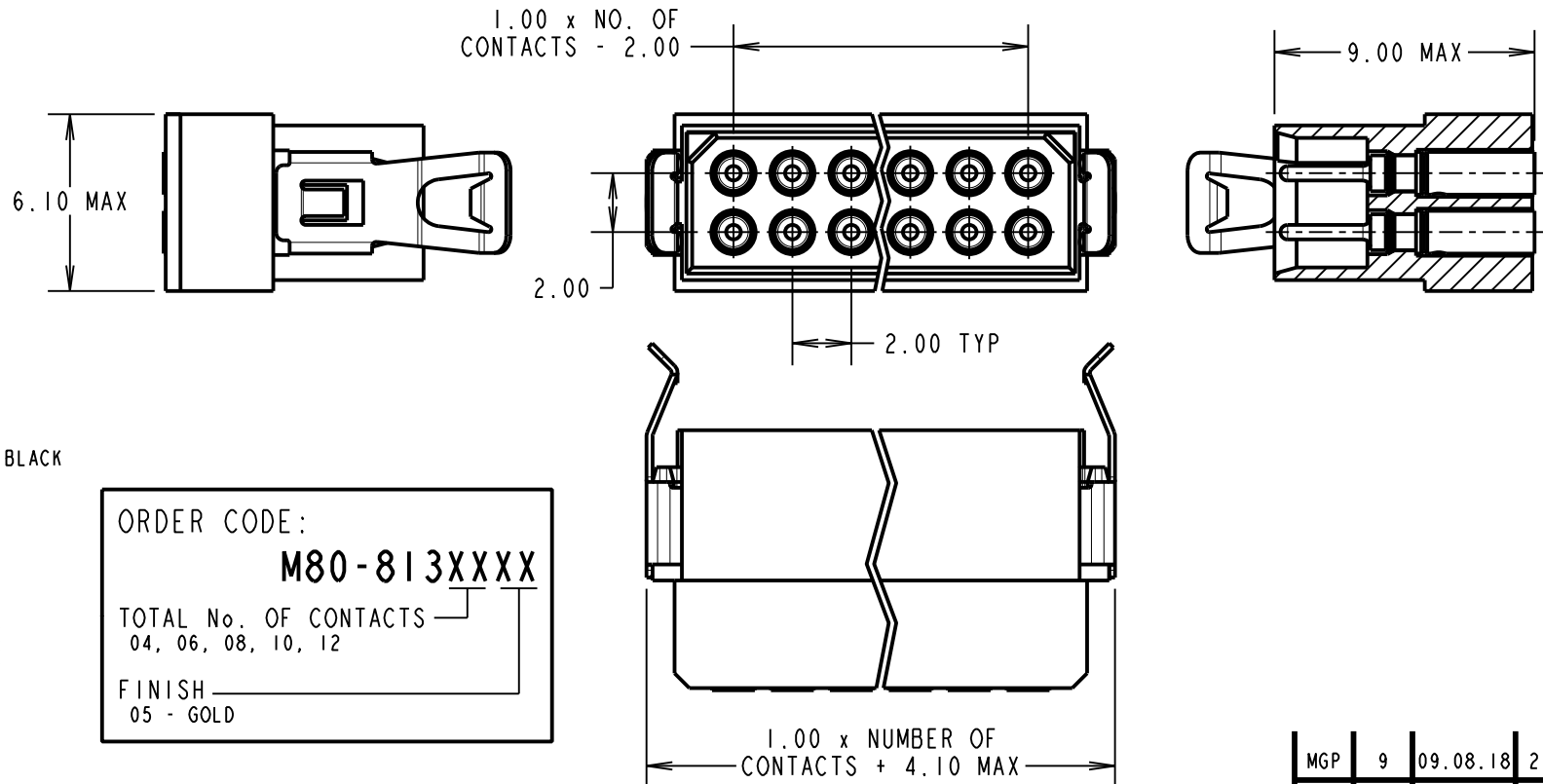
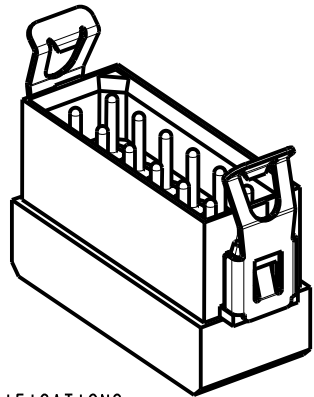
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



**SPECIFICATIONS:**

**MATERIAL:**  
 MOULDING = GLASS-FILLED  
 POLYAMIDE 46 UL94V-0, BLACK

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 = 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)

ORDER CODE:

**M80-813XXX**

TOTAL No. OF CONTACTS  
 04, 06, 08, 10, 12

FINISH  
 05 - GOLD

**NOTES:**

1. RECOMMENDED WIRE TYPE = BS3G210 TYPE A, PTFE INSULATED, 22 AWG. MAX INSULATION DIAMETER = Ø1.10mm, STRIP WIRE BY 2.00mm.
2. FOR EXTRA CONTACTS USE PART NUMBER M80-0400005.
3. RECOMMENDED HAND CRIMP TOOL = M22520/2-01 WITH POSITIONER T5747. REFER TO TOOLING INSTRUCTION SHEET IS-01 FOR COMPLETE CRIMPING INSTRUCTIONS.
4. CONTACT INSERTION AND EXTRACTION TOOL = Z80-280. REFER TO TOOLING INSTRUCTION SHEET IS-25 FOR ASSEMBLY INSTRUCTIONS.

MGP	9	09.08.18	21458
NAME	ISS.	DATE	C/NOTE
APPROVED: MGP			
CHECKED: RP			
DRAWN: W. J. BOURNE			
CUSTOMER REF.:			
ASSEMBLY DRG:			

**HARWIN**

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**TOLERANCES**  
 X. = ±1mm  
 X.X = ±0.50mm  
 X.XX = ±0.10mm  
 X.XXX = ±0.01mm  
 ANGLES = ±5°  
 UNLESS STATED

**MATERIAL:**  
 SEE ABOVE

**FINISH:**  
**S/AREA:** mm<sup>2</sup>

**TITLE:** DATAMATE 2mm PITCH  
 CRIMP DIL LATCH PLUG ASSY  
 LARGE BORE (22 AWG)

**DRAWING NUMBER:** M80-813XXX  
**SHT** 2 **OF** 2

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