

# Customer Information Sheet

DRAWING No.: M80-PF5

IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

**SPECIFICATIONS:**

**MATERIALS:**

BODY = COPPER ALLOY  
LATCHING COLLAR = BERYLLIUM COPPER

**FINISH:**

BODY = 0.76µ MIN GOLD OVER NICKEL  
LATCHING COLLAR = NICKEL

**ELECTRICAL:**

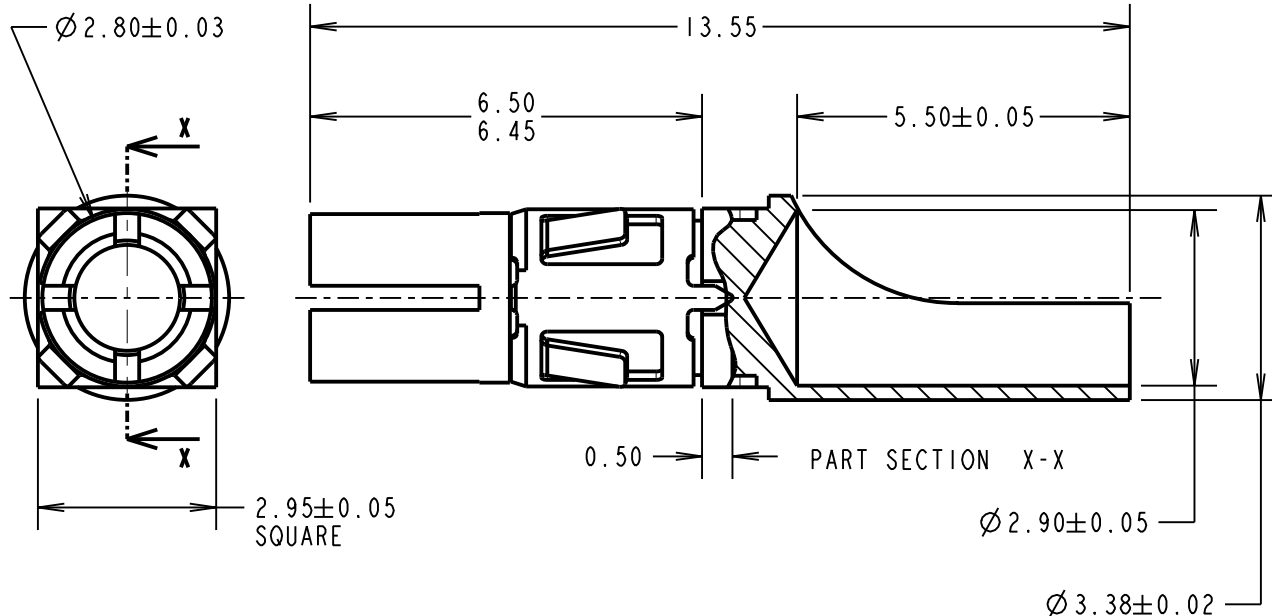
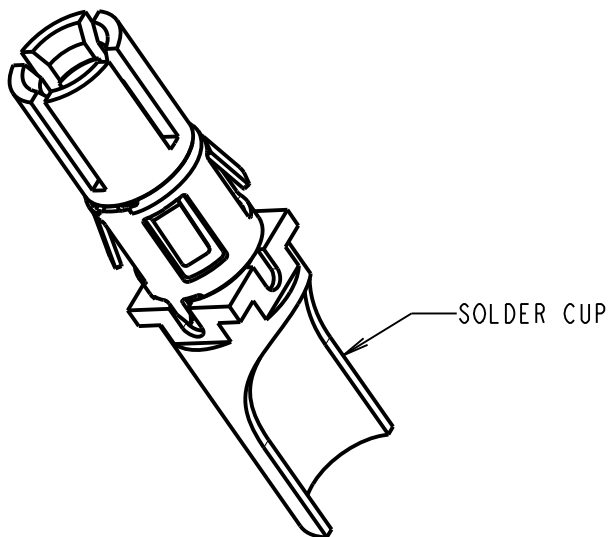
CONTACT RESISTANCE = 6mΩ MAX  
CURRENT RATING = 40A (CABLE DEPENDENT)

**MECHANICAL:**

DURABILITY = 500 OPERATIONS  
INSERTION FORCE = 15N MAX  
WITHDRAWAL FORCE = 0.5N MIN  
CONTACT REPLACEMENT IN INSULATOR = 5 TIMES

**ENVIRONMENTAL:**

TEMPERATURE RANGE = -55°C TO +150°C



**NOTES:**

1. STRIP WIRE BY 5.0mm.
2. CONTACT EXTRACTION TOOL = Z80-290.
3. FOR ALL OTHER ELECTRICAL/MECHANICAL REQUIREMENTS, SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE).
4. MAX WIRE CONDUCTOR SIZE = Ø2.9mm / 10 AWG (37/0.26).  
MAX WIRE INSULATION DIAMETER 3.8mm.

|                       |      |          |        |
|-----------------------|------|----------|--------|
| MGP                   | 1    | 21.03.14 | 12429  |
| NAME                  | ISS. | DATE     | C/NOTE |
| APPROVED: MGP         |      |          |        |
| CHECKED: SB           |      |          |        |
| DRAWN: MARK G PLESTED |      |          |        |
| CUSTOMER REF.:        |      |          |        |
| ASSEMBLY DRG:         |      |          |        |

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**TOLERANCES**  
X. = ±1mm  
X.X = ±0.25mm  
X.XX = ±0.10mm  
X.XXX = ±0.01mm  
**ANGLES = ±5°**  
**UNLESS STATED**

**MATERIAL:**  
SEE ABOVE  
**FINISH:** SEE ABOVE  
**S/AREA:** mm<sup>2</sup>

**TITLE:** DATAMATE MIX-TEK  
HIGH POWER CONTACT  
FEMALE STRAIGHT SOLDER  
**DRAWING NUMBER:**  
**M80-PF5**

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