

# Customer Information Sheet

DRAWING No.: H8505-XX

SHEET 2 OF 2

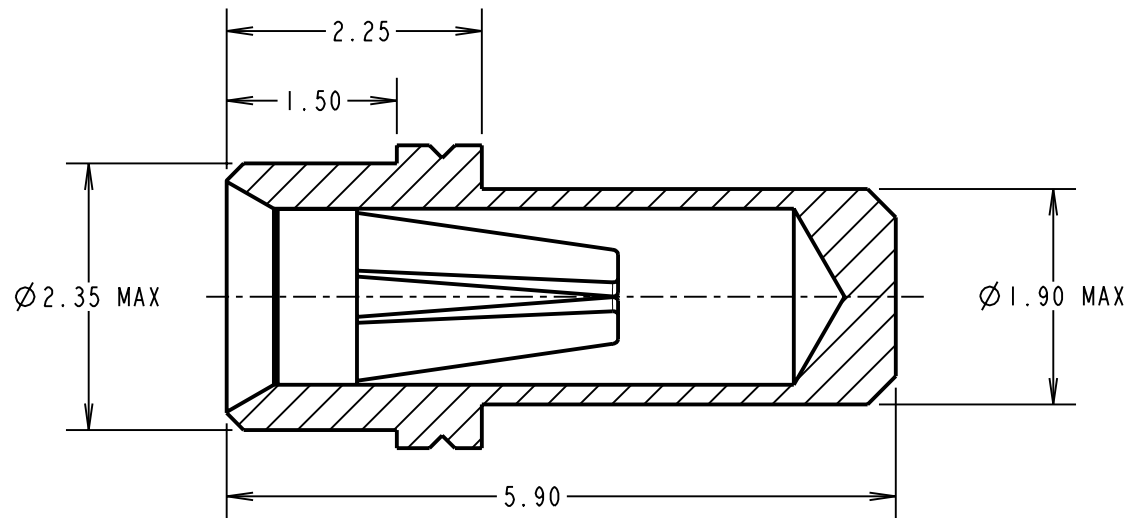
IF IN DOUBT - ASK

(C)

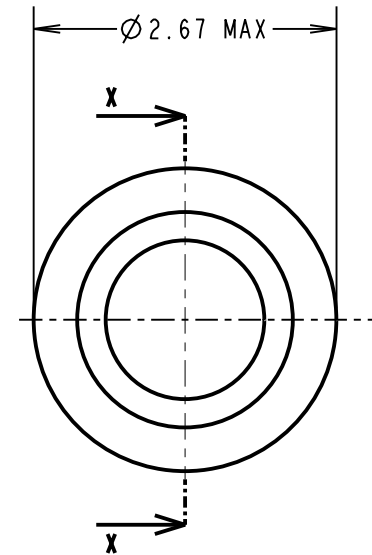
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



SECTION X-X



ORDER CODE:

**H8505-XX**

FINISH:

01 = 100% TIN SHELL, GOLD CLIP  
05 = GOLD SHELL, GOLD CLIP  
46 = 100% TIN SHELL, 100% TIN CLIP

**SPECIFICATION:**

**MATERIAL:**

CONTACT SHELL = BRASS  
CONTACT CLIP = BERYLLIUM COPPER

**FINISH:**

01 = 4µ 100% TIN SHELL, 0.15µ GOLD CLIP  
05 = 0.1µ GOLD SHELL, 0.15µ GOLD CLIP  
46 = 4µ 100% TIN SHELL, 3µ 100% TIN CLIP

**ELECTRICAL:**

CURRENT RATING AT 25°C = 10A MAX  
CURRENT RATING AT 85°C = 7.5A MAX  
CONTACT RESISTANCE = 25 mΩ MAX

**MECHANICAL:**

INSERTION FORCE (Ø0.8mm GAUGE) = 5N MAX, 1.5N MIN  
WITHDRAWAL FORCE (Ø0.8mm GAUGE) = 3.0N MAX, 1.0N MIN  
DURABILITY:

01, 05 = 1000 OPERATIONS  
46 = 100 OPERATIONS

**ENVIRONMENTAL:**

OPERATING TEMPERATURE = -55°C TO +125°C

**PACKING:**

BAG

**NOTES:**

1. FOR ELECTRICAL/MECHANICAL SPECIFICATION, SEE COMPONENT SPECIFICATION C010XX (LATEST ISSUE).
2. MAXIMUM PIN LENGTH = 4.85mm.
3. RECOMMENDED MOUNTING HOLE SIZE = Ø2.01-1.91mm.
4. RECOMMENDED MATING PIN SIZE = Ø0.85-0.60mm.
5. MAXIMUM CONTACT DEPTH = 3.30mm.

|                         |      |          |        |
|-------------------------|------|----------|--------|
| CP                      | II   | 17.12.09 | 10616  |
| NAME                    | ISS. | DATE     | C/NOTE |
| APPROVED: C.PENROSE     |      |          |        |
| CHECKED: R.ADDE         |      |          |        |
| DRAWN: A. J. FILLINGHAM |      |          |        |
| 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:**

Ø0.8mm SOCKET ASSEMBLY

DRAWING NUMBER:

**H8505-XX**

SHT  
2  
OF  
2

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Harwin:

[H8505-01](#) [H8505-05](#) [H8505-46](#)