

# Customer Information Sheet

DRAWING No.: P13-XX23

SHEET 2 OF 2

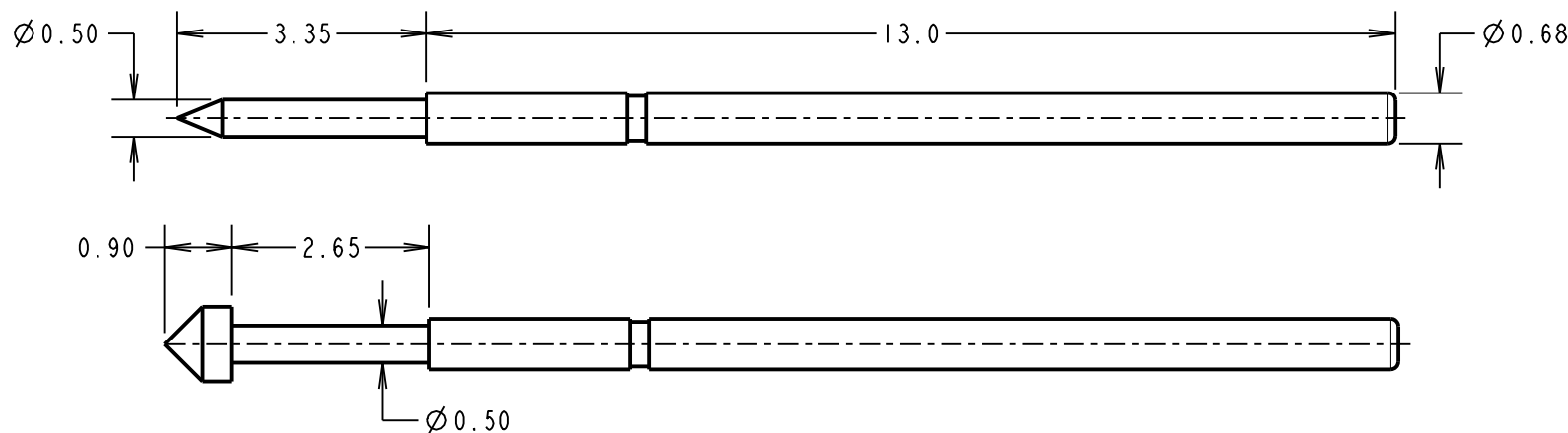
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



ORDER CODE

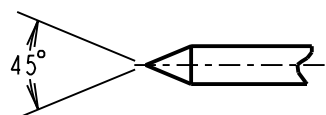
**P13-XX23**

PROBE HEAD  
VARIANT (SEE TABLE)

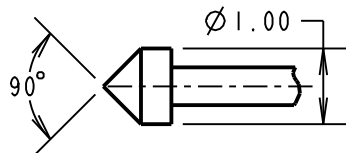
## NOTES:

1. TO BE USED WITH SLEEVE S13-503.
2. SUITABLE FOR A MINIMUM DISTANCE BETWEEN CENTRES OF 1.27mm.

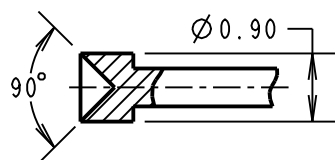
## PROBE HEAD VARIANTS



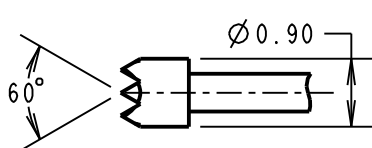
SPEAR HEAD  
P13-0123



CONVEX HEAD  
P13-2123



CONCAVE HEAD  
P13-1123



SERRATED HEAD  
P13-4023

## SPECIFICATIONS:

### MATERIAL:

PLUNGER = BERYLLIUM COPPER  
BARREL = PHOSPHOR BRONZE  
SPRING = MUSIC WIRE

### FINISH:

PLUNGER, BARREL AND SPRING = GOLD

### ELECTRICAL:

CURRENT RATING = 3A  
CONTACT RESISTANCE = 30mΩ

### MECHANICAL:

DURABILITY = 1,000,000 CYCLES  
FULL TRAVEL = 2.65mm  
SPRING FORCES:  
AT FULL TRAVEL = 1.18N ± 0.24N (120G ± 20%)  
AT 2/3 TRAVEL = 0.88N ± 0.18N (90g ± 20%)

### ENVIRONMENTAL:

OPERATING TEMPERATURE = -40°C TO +85°C

|                     |      |          |        |
|---------------------|------|----------|--------|
| SB                  | 6    | 07.10.14 | 12618  |
| NAME                | ISS. | DATE     | C/NOTE |
| APPROVED: S.BENNETT |      |          |        |
| CHECKED: M.PLESTED  |      |          |        |
| DRAWN: W.J.BOURNE   |      |          |        |
| CUSTOMER REF.:      |      |          |        |
| ASSEMBLY DRG:       |      |          |        |

# HARWIN

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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:

1.27mm MIN. CENTRE  
TWO-PIECE SPRING PROBE

DRAWING NUMBER:

**P13-XX23**

SHT  
2 OF 2

# Mouser Electronics

Authorized Distributor

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Harwin:

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