

# Customer Information Sheet

DRAWING No.: P13-XX23

SHEET 2 OF 2

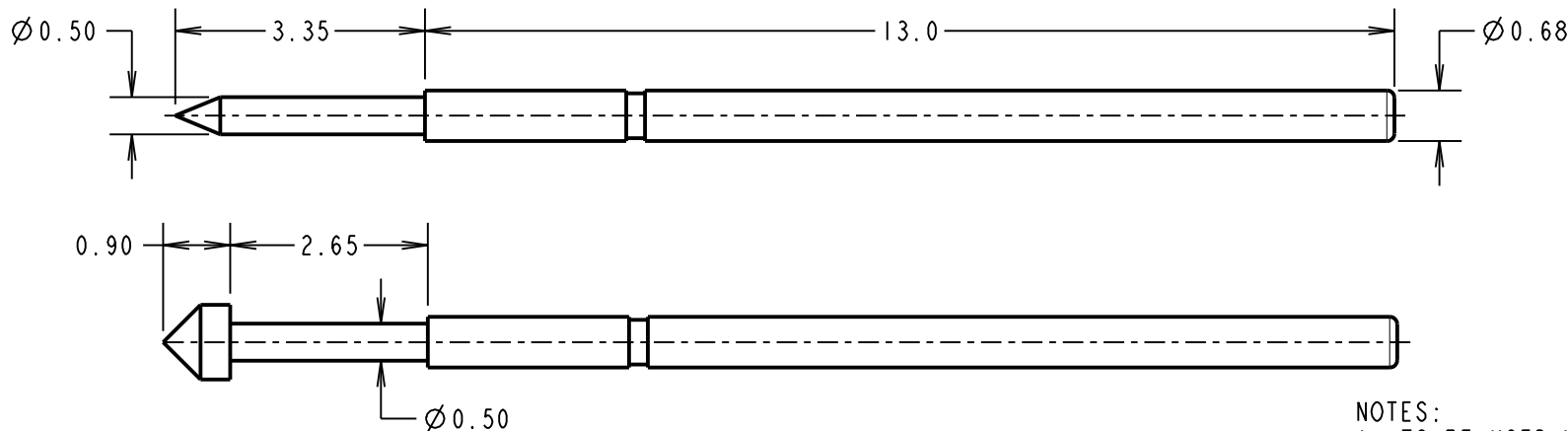
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



ORDER CODE  
**P13-XX23**  
PROBE HEAD  
VARIANT (SEE TABLE)

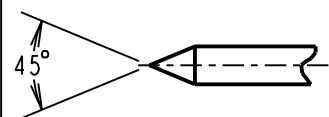
**NOTES:**

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

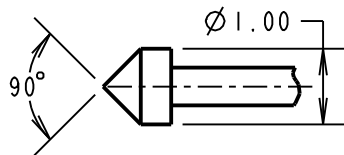
**SPECIFICATIONS:**

**MATERIAL:**  
**PLUNGER:**  
 P13-0123 = STEEL  
 P13-1123, P13-2123 & P13-4023 = BERYLLIUM COPPER  
**BARREL = PHOSPHOR BRONZE**  
**SPRING:**  
 P13-0123 = MUSIC WIRE  
 P13-1123, P13-2123 & P13-4023 = STAINLESS STEEL  
**FINISH:**  
 PLUNGER, BARREL AND SPRING = GOLD  
**ELECTRICAL:**  
 CURRENT RATING = 1.5A  
 CONTACT RESISTANCE = 100mΩ MAX AT 2/3 TRAVEL  
**MECHANICAL:**  
 DURABILITY = 100,000 CYCLES MIN  
 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 +180°C

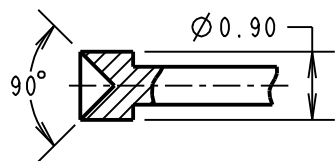
**PROBE HEAD VARIANTS**



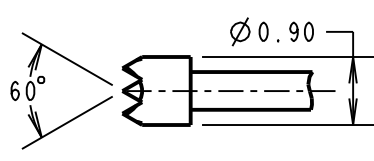
SPEAR HEAD  
P13-0123



CONVEX HEAD  
P13-2123



CONCAVE HEAD  
P13-1123



SERRATED HEAD  
P13-4023

MSP	7	21.07.17	20124
NAME	ISS.	DATE	C/NOTE
APPROVED:		M.PERREN	
CHECKED:		M.PLESTED	
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:**

SEE ABOVE

**S/AREA:**

mm<sup>2</sup>

**TITLE:**

1.27mm MIN. CENTRE  
TWO-PIECE SPRING PROBE

**DRAWING NUMBER:**

**P13-XX23**

SHT  
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