

Customer Information Sheet

DRAWING No.: PI3-XX23

SHEET 2 OF 2

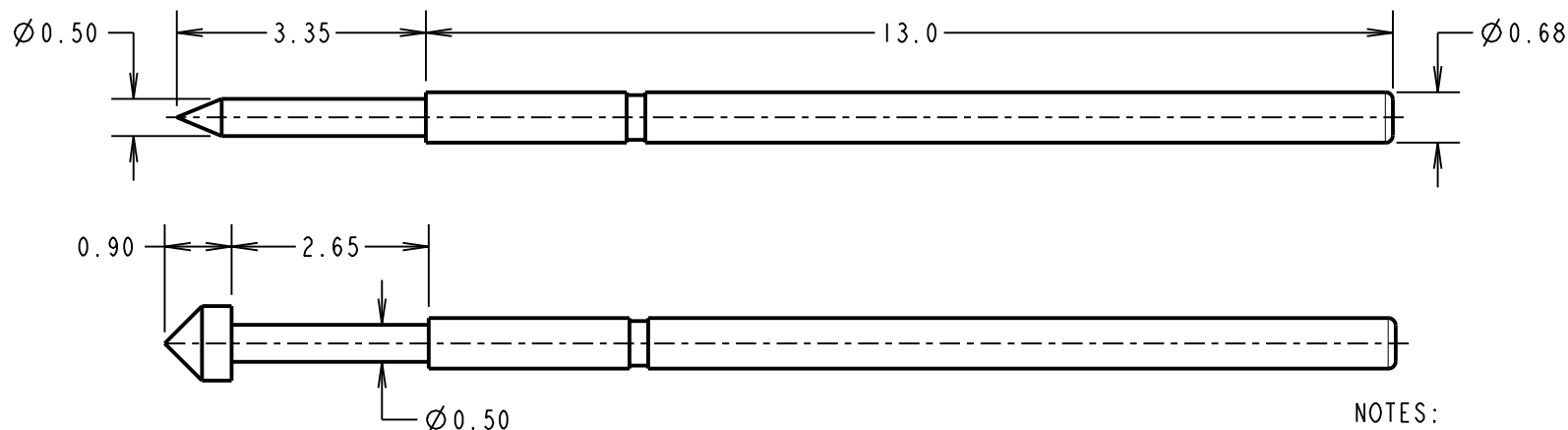
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

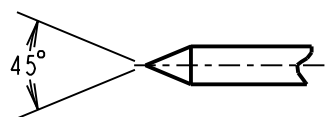
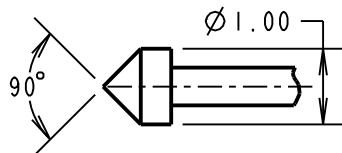
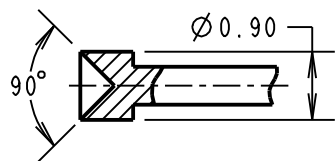
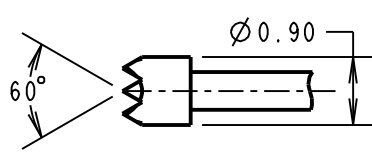


ORDER CODE

PI3-XX23

PROBE HEAD
VARIANT (SEE TABLE)

PROBE HEAD VARIANTS

SPEAR HEAD
PI3-0123CONVEX HEAD
PI3-2123CONCAVE HEAD
PI3-1123SERRATED HEAD
PI3-4023

SPECIFICATIONS:

MATERIAL:

PLUNGER:

PI3-0123 = STEEL

PI3-1123, PI3-2123 & PI3-4023 = BERYLLIUM COPPER

BARREL = PHOSPHOR BRONZE

SPRING:

PI3-0123 = MUSIC WIRE

PI3-1123, PI3-2123 & PI3-4023 = 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

NOTES:

1. TO BE USED WITH SLEEVE SI3-503.

2. SUITABLE FOR A MINIMUM DISTANCE BETWEEN CENTRES OF 1.27mm.

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:			

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technical@harwin.comTHIS DRAWING AND ANY
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GROUP AND MUST NOT BE
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TOLERANCES

X. = ±1mm
X.X = ±0.50mm
X.XX = ±0.10mm
X.XXX = ±0.01mmANGLES = ±5°
UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH:

SEE ABOVE

S/AREA:

mm²

TITLE:

1.27mm MIN. CENTRE
TWO-PIECE SPRING PROBE

DRAWING NUMBER:

PI3-XX23

SHT
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