

4

3

2

1

NOTES: (UNLESS OTHERWISE SPECIFIED)

1. MATERIALS:

BARREL : PHOSPHOR BRONZE / GOLD PLATED
 SPRING : MUSIC WIRE / GOLD PLATED
 BOTTOM PLUNGER: FULL-HARD BERYLLIUM COPPER / GOLD PLATED
 TOP PLUNGER: CARBON STEEL / GOLD PLATED

2. SPRING FORCE:

27.5g±5g @ 0.5MM RECOMMENDED TRAVEL

REV.	LTR.	ECRN No.	DATE	ENG.	CHK.
B1		035652	03/23/17	ZOE ZHU	EVAN Y
A1		027571	12/28/12	PHILIP	STEWART

Technical drawing of a spring probe assembly. The drawing shows a side view of the probe with the following dimensions:

- Total length: 2.65
- Distance from tip to the start of the barrel: 1.07
- Distance from tip to the start of the plunger: .75
- Tip diameter: $\phi .30$
- Tip angle: 78.5°
- Barrel diameter: $\phi .50$
- Plunger diameter: $\phi .60$
- Plunger diameter: $\phi .25$
- Plunger tip radius: R.08

Isometric view of the spring probe assembly, showing the barrel, spring, and plunger components.

SCALE 50/1

smiths connectors

 5101 RICHLAND AVENUE
 KANSAS CITY, KS 66106

PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SMITHS CONNECTORS. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF SMITHS CONNECTORS IS PROHIBITED.

 PART TO CONFORM
 TO SPECIFICATIONS
 NOTED IN
 DRAWING 405345

DO NOT SCALE DRAWING

SHEET TITLE

 UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN MILLIMETERS
 AND TOLERANCE ON:

 DECIMALS ANGLES
 X.XX OR LESS $\pm .05$ $\pm 1^\circ$
 X.XXX $\pm .025$

MATERIAL

SEE PARTS LIST

FINISH

SEE PIECE PART DRAWING

623-0270-01 - ASSY, SPRING PROBE

DWG. TITLE

ASSY, SPRING PROBE

DWG. NO

623-0270-01-C

SCALE

100/1

SIZE

C

SHEET

1/1

REV.

B.1

3

2

1

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Contact Probes](#) category:

Click to view products by [Smiths Interconnect](#) manufacturer:

Other Similar products are found below :

[CT5253](#) [CT5082](#) [100039-033-958](#) [100077-003-0-0](#) [300122-031-1102](#) [R-2-RP-375](#) [S-4-C-5-G S/C](#) [300122-056-0203](#) [SS-75-B-2.4-G](#) [ICT-100-J-17-G](#) [SS-75-C-4.9-D D/C .620 OAL](#) [100165-033-952](#) [100024-002-942](#) [SS-75-E-4.9-D D/C .620 OAL](#) [SX-0-U-2.2-G D/C](#) [101740-028-948](#) [ICT-100-V8-8-G S/C](#) [ICT-100-A-8-G S/C](#) [ICT-075-B-10-G-S S/C](#) [S-2-D-8.3-G D/C](#) [S-2-D-10-G D/C](#) [GSS-19-7-G S/C OAL](#) [ICT-100-T-8-G S/C](#) [GSS-4-7-G](#) [S-0-B9-2.5-G S/C](#) [SS-40-J-2.4-G D/C](#) [S-0-A-2.2-D 660 S/C](#) [SS-50-J-3.3-D S/C](#) [S-0-V-3.7-G S/C](#) [SX-2-B-7-G D/C](#) [SX-1-U-6.6-G D/C](#) [SX-1-C-6.6-G D/C](#) [SS-75-D-4.9-D D/C .620 OAL](#) [SS-50-E-2.9-G S/C](#) [SS-40-J-1.8-G-N/L D/C](#) [SS-3-7-G S/C W/HOLE .373 OAL](#) [SS-18-7-G S/C W/HOLE .405 OAL](#) [SS-10-7-G S/C W/HOLE .373 OAL](#) [SS-1-7-G S/C W/HOLE .385 OAL](#) [SHE-5-H-18.7-G](#) [SHE-5-B-18.7-G](#) [SHE-5-A-18.7-G](#) [SHE-3-A-7-G](#) [SH-4-A-10-G S/C](#) [101057-001-952](#) [S-50C-HS-4.3-DG-S](#) [S-5-F-8-G S/C SS SPGS](#) [S-5-F-16.4-G S/C](#) [S-4-E-5-D S/C](#) [S-2-J-8.3-G D/C](#)