

# GKS 899 M

Screw-in Step Probes

## Grid:

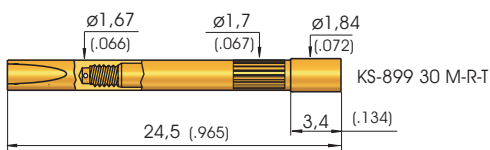
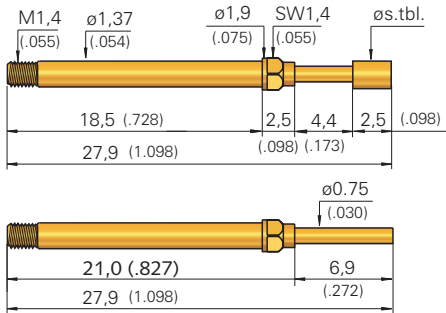
≥ 2,54 mm

≥ 100 Mil

Installation height with KS: 12,8 (.504)

Recommended stroke: 3,5 mm (.138)

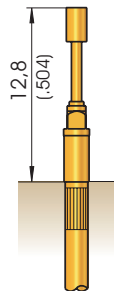
## Mounting and functional dimensions



\*\* axially positioned bore hole for leakage test.  
Attention: when not assembled correctly, solder can flow inside the receptacle.

## Available tip styles

| Material | Tip style | Plating | Further versions |                  |
|----------|-----------|---------|------------------|------------------|
|          |           |         | $\phi$           | $\phi$ (inch)    |
| 2        | 01        | A       |                  |                  |
| 3        | 02        | A       | 0,65             | (.026)           |
| 3        | 02        | A       |                  |                  |
| 3        | 03        | A       |                  |                  |
| 3        | 05        | A       | 0,65             | (.026)           |
| 3        | 06        | A       | 1,00<br>1,80     | (.039)<br>(.071) |
| 3        | 13        | A       |                  |                  |



### Collar height and installation height

The installation height of the tip is always 12,8 mm (.504). The test probe can only be used with a receptacle.

### Mechanical data

**Working stroke:** 3,5 mm (.138)  
**Maximum stroke:** 4,4 mm (.173)  
**Spring force at work. stroke:** 1,5 N (5.4oz)  
**Alternative:** 0,7 N (2.5oz); 2,5 N (9.0oz)  
 3,0 N (10.8oz)

### Materials

**Plunger:** BeCu or steel, gold-plated  
**Barrel:** Brass, gold-plated  
**Spring:** Steel, gold-plated  
**Receptacle:** Brass, gold-plated

Recommended screw-in torque:  
Min.: 2 cNm / Max.: 3 cNm

### Electrical data

**Current rating:** 3 - 5 A  
**R<sub>i</sub> typical:** < 20 m $\Omega$

### Mounting hole size

**in CEM1 and FR4:**  $\phi$  1,67 - 1,68 mm  
 (.0657 - .0661)

### Operating temperature

**Standard:** -40° up to +80° C

## Ordering example

| Series | Tip material<br>2 = Steel<br>3 = BeCu | Tip style | Tip diameter<br>(1/100 mm) | Plating<br>A = Gold | Spring force<br>(dN) | Collar height<br>(mm) | Type |
|--------|---------------------------------------|-----------|----------------------------|---------------------|----------------------|-----------------------|------|
|--------|---------------------------------------|-----------|----------------------------|---------------------|----------------------|-----------------------|------|

Test probe:

G K S 8 9 9 3 0 6 1 3 0 A 1 5 0 2 M

Receptacle for GKS-899 ... M:

K S - 8 9 9 3 0 M - R - T

Receptacle for leakage test \*\*:

K S - 8 9 9 3 0 M - R