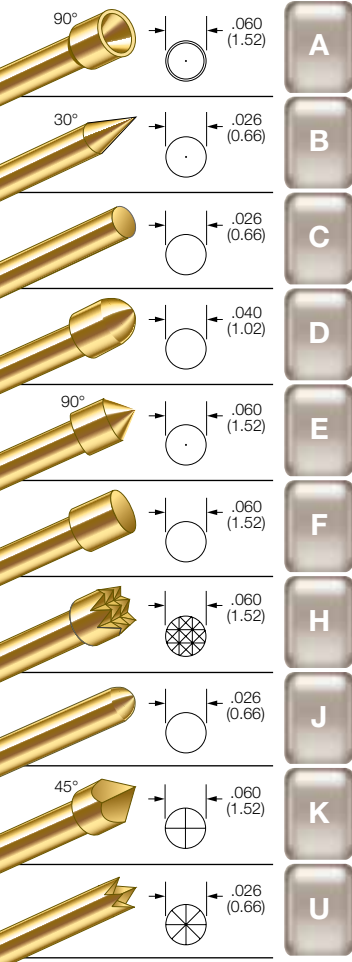


# Series S Size 1 - .075 Centers

## BeCu PLUNGER TIPS



## PROBE SPECIFICATIONS

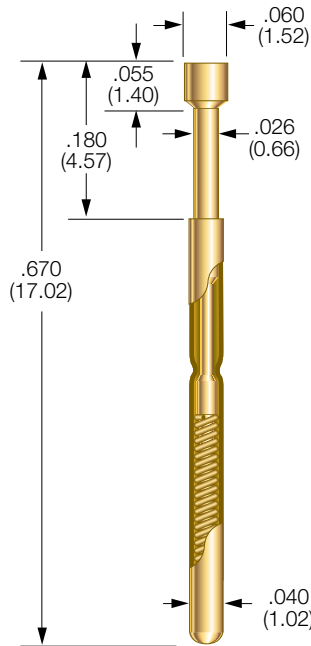
**Minimum Centers:** .075 (1.91)  
**Current Rating:** 3 amps continuous  
**Spring Force:** 2.0, 3.8 or 6.6 oz. @ .070 (1.78) travel  
**Typical Resistance:** < 25 mΩ  
**Maximum Travel:** .100 (2.54)  
**Working Travel:** .070 (1.78)

| Rated Force<br>oz. (g) | Preload<br>oz. (g) | Material |
|------------------------|--------------------|----------|
| 2.0 (57)               | 0.8 (23)           | SS       |
| 3.8 (108)              | 1.5 (43)           | SS       |
| 6.6 (187)              | 2.0 (57)           | MW       |

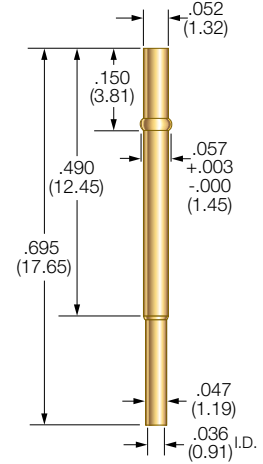
## MATERIALS

**Barrel:** Nickel/silver, gold plated  
**Spring:** Stainless steel or music wire, gold plated  
**Plunger:** Beryllium copper, gold plated over nickel or Duralloy™  
**Receptacle:** Nickel/silver, gold plated, gold plated post

## S-1 PROBE



## R-1 Receptacle



**Drill Size:** 1.45mm  
**Mounting Hole Size:** .055/.057 (1.40/1.45)  
**Recommended Wire:** 24-28 gage

## RECEPTACLE OPTIONS

| Part Number | Style      | Receptacle Length | Probe/Receptacle Combined Length | Comments                     |
|-------------|------------|-------------------|----------------------------------|------------------------------|
| R-1-CR      | Crimp      | 0.695 (17.65)     | 0.875 (22.23)                    | —                            |
| R-1-SC      | Solder Cup | 0.695 (17.65)     | 0.875 (22.23)                    | —                            |
| R-1-RP      | Round Post | 1.070 (27.18)     | 1.250 (31.75)                    | .375 post length - .025 dia. |
| R-1-WW-429  | Wire Wrap  | 1.124 (28.55)     | 1.304 (33.12)                    | .429 post length - .025 sq.  |

## HOW TO ORDER: SPRING CONTACT PROBE

| S                                                                                                                    | 1    | A                                                                                | 3.8          | G               |
|----------------------------------------------------------------------------------------------------------------------|------|----------------------------------------------------------------------------------|--------------|-----------------|
| SERIES                                                                                                               | SIZE | TIP STYLE                                                                        | SPRING FORCE | PLATING OPTIONS |
| <b>SERIES:</b><br>S: STANDARD<br>SX: IMPROVED POINTING ACCURACY                                                      |      | <b>PLATING OPTIONS:</b><br>G: GOLD PLATED PLUNGER<br>D: DURALLOY™ PLATED PLUNGER |              |                 |
| <b>SPRING FORCE:</b><br>2.0 OZ. @ .070 (1.78) TRAVEL<br>3.8 OZ. @ .070 (1.78) TRAVEL<br>6.6 OZ. @ .070 (1.78) TRAVEL |      | <b>CRIMPING PLIERS:</b> CP1<br><b>INSERTION TOOL:</b> RT1                        |              |                 |

## RECEPTACLE

| R                                                                                      | 1    | WW                             | 429         |
|----------------------------------------------------------------------------------------|------|--------------------------------|-------------|
| SERIES                                                                                 | SIZE | TERMINATION                    | POST LENGTH |
| <b>TERMINATIONS:</b><br>CR: CRIMP<br>SC: SOLDER CUP<br>RP: ROUND POST<br>WW: WIRE WRAP |      | <b>POST LENGTH:</b><br>WW: 429 |             |

VIEW UPDATES OF THIS INFORMATION AT [WWW.IDINET.COM](http://WWW.IDINET.COM)

Specifications subject to change without notice. Dimensions in inches (millimeters)

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Smiths Interconnect:](#)

[S-1-A-3.8-D D/C .670 OAL](#) [S-1-A-6.6-D D/C .670 OAL](#) [S-1-A-6.6-G D/C .670 OAL](#) [S-1-B-2-D D/C .670 OAL](#) [S-1-B-6.6-D D/C .670 OAL](#) [S-1-B-6.6-G D/C .670 OAL](#) [S-1-C-2-D D/C .670 OAL](#) [S-1-C-2-G D/C .670 OAL](#) [S-1-C-3.8-D D/C .670 OAL](#) [S-1-C-6.6-D D/C .670 OAL](#) [S-1-C-6.6-G D/C .670 OAL](#) [S-1-D-2-D D/C .670 OAL](#) [S-1-D-3.8-D D/C .670 OAL](#) [S-1-D-6.6-D D/C .670 OAL](#) [S-1-E-2-D D/C .670 OAL](#) [S-1-E-6.6-D D/C .670 OAL](#) [S-1-F-2-D D/C .670 OAL](#) [S-1-F-3.8-D D/C .670 OAL](#) [S-1-F-6.6-D D/C .670 OAL](#) [S-1-F-6.6-G D/C .670 OAL](#) [S-1-H-2-D D/C .670 OAL](#) [S-1-H-6.6-D D/C .670 OAL](#) [S-1-J-2-D D/C .670 OAL](#) [S-1-J-6.6-D D/C .670 OAL](#) [S-1-K-2-D D/C .670 OAL](#) [S-1-K-2-G D/C .670 OAL](#) [S-1-K-3.8-D D/C .670 OAL](#) [S-1-K-6.6-D D/C .670 OAL](#) [S-1-K-6.6-G D/C .670 OAL](#) [S-1-U-2-D D/C .670 OAL](#) [S-1-U-3.8-D D/C .670 OAL](#) [S-1-U-3.8-G-W/L D/C .670 OAL](#) [S-1-U-6.6-D D/C .670 OAL](#) [S-1-B-3.8-D D/C .670 OAL](#) [S-1-C-3.8-G D/C .670 OAL](#) [S-1-E-3.8-D D/C .670 OAL](#) [S-1-E-6.6-G D/C .670 OAL](#) [S-1-H-3.8-D D/C .670 OAL](#) [S-1-H-6.6-G D/C .670 OAL](#) [S-1-J-3.8-D D/C .670 OAL](#) [S-1-K-3.8-G D/C .670 OAL](#) [100024-002-922](#) [100024-040-922](#)