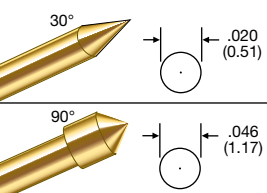
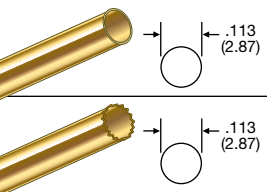


# Coax Probes SMB CONNECTOR

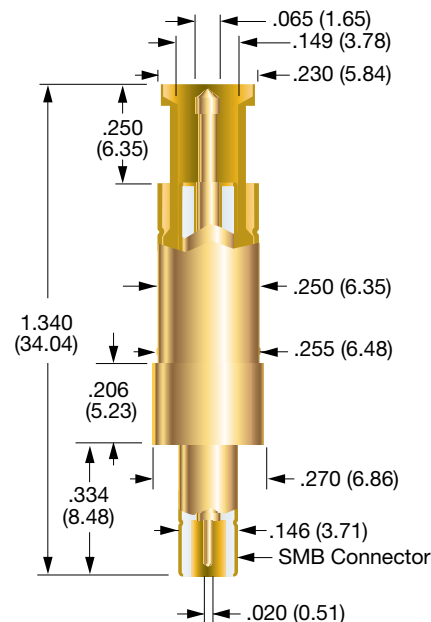
## 100559 & 100910 SIGNAL PLUNGERS



## 100559 & 100910 SHIELDING PLUNGERS



## 100563



### PROBE SPECIFICATIONS

Minimum Centers: .300 (7.62)  
 Current Rating: 3 amps continuous  
 Spring Force:  
     Signal Conductor:  
         2.3 oz. @ .107 (2.72) travel  
     Shielding Plunger:  
         5.8 oz. @ .107 (2.72) travel  
 Nominal Impedance: 50 Ω  
 Maximum Travel: .170 (4.32)  
 Working Travel: .107 (2.72)

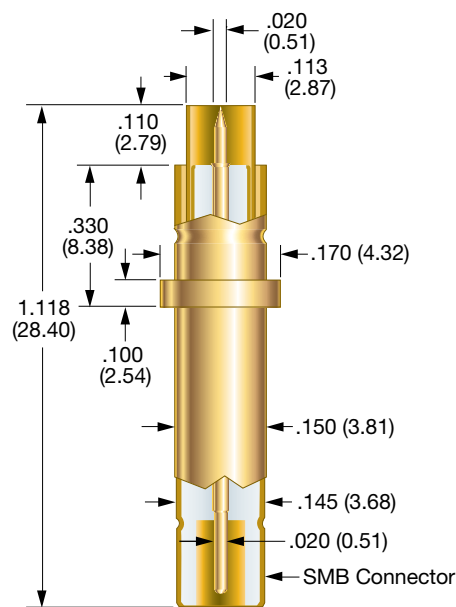
### MATERIALS

Barrel: Brass, gold plated  
 Spring:  
     Signal Conductor:  
         Beryllium copper, gold plated  
     Shielding Plunger:  
         Stainless steel, gold plated  
 Shielding Plunger: Brass, gold plated  
 Dielectric Insulator: Teflon  
 Shielding Tube: Stainless steel, gold plated  
 Signal Conductor: 100954

### HOW TO ORDER

|                     |                     |
|---------------------|---------------------|
| <b>100563</b>       | <b>E</b>            |
| BASE PART<br>NUMBER | SIGNAL<br>PROBE TIP |

## 100559 & 100910



### PROBE SPECIFICATIONS

Minimum Centers: .300 (7.62)  
 Current Rating: 3 amps continuous  
 Spring Force:  
     Signal Conductor:  
         1.6 oz. @ .070 (1.78) travel: tip B  
         2.0 oz. @ .070 (1.78) travel: tip ES  
     Shielding Plunger:  
         4.3 oz. @ .070 (1.78) travel  
 Nominal Impedance: 50 Ω  
 Maximum Travel:  
     .090 (2.29) for tip B  
     .075 (1.91) for tip ES  
 Working Travel: .070 (1.78)

### MATERIALS

Barrel: Brass, gold plated  
 Spring:  
     Signal Conductor:  
         Beryllium copper, gold plated  
     Shielding Plunger:  
         Stainless steel, gold plated  
 Shielding Plunger:  
     Beryllium copper, gold plated  
 Dielectric Insulator: Teflon  
 Shielding Tube: Brass, gold plated  
 Signal Conductor: Series S, Size 00

### HOW TO ORDER

|                                             |                     |                        |
|---------------------------------------------|---------------------|------------------------|
| <b>100559</b>                               | <b>B</b>            | <b>S</b>               |
| BASE PART<br>NUMBER                         | SIGNAL<br>PROBE TIP | SHIELDING<br>PLUNGER   |
| 100559 WITHOUT FLANGE<br>100910 WITH FLANGE |                     | S: SERRATED<br>N: FLAT |

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

# Mouser Electronics

Authorized Distributor

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[Smiths Interconnect:](#)

[100559-B-N](#) [100559-J-N](#) [100559-B-S](#) [100559-H-N](#) [100559-J-S](#) [100559-U-S](#) [100559-A-S](#) [100559-H-S](#) [100559-ES-S](#) [100559-A-N 1.118 OAL](#)