

3 INCHES LENGTH



Connector A  
132117  
SMA Jack Straight  
Brass Gold + Heatshrink

50 Ohm RG-174  
Continuity/Hi-Pot

Connector B  
SMP-FR-C08-1  
SMP Plug Right Angle  
Beryllium Copper Gold + Heatshrink

**Assembly & Label Notes**

Assembly label to be placed ~ 2" from end of connector A and/ or heat shrink  
Assembly shall be built with SN96.5 LEAD FREE solder.  
See Routing Notes for additional assembly & testing instructions.

| Connector A              |                               | Cable               |                   | Connector B              |                              |
|--------------------------|-------------------------------|---------------------|-------------------|--------------------------|------------------------------|
| <b>Part #:</b>           | 132117                        | <b>Part #:</b>      | RG-174            | <b>Part #:</b>           | SMP-FR-C08-1                 |
| <b>Description:</b>      | SMA JK RG174 RG316 LMR100 500 | <b>Description:</b> | RG-174 - PE 0.1   | <b>Description:</b>      | SMP R/A PLUG RG316 RG174 500 |
| <b>Type:</b>             | SMA                           | <b>Dielectric:</b>  | PE                | <b>Type:</b>             | SMP                          |
| <b>Gender:</b>           | Jack                          | <b>Shielding:</b>   | Braid             | <b>Gender:</b>           | Plug                         |
| <b>Body Type:</b>        | Straight                      | <b>Diameter:</b>    | 0.1               | <b>Body Type:</b>        | Right Angle                  |
| <b>Contact Type:</b>     | Solder                        | <b>Impedance:</b>   | 50 Ohm            | <b>Contact Type:</b>     | Solder                       |
| <b>Polarity:</b>         | Standard                      | <b>Sheathing:</b>   | None              | <b>Polarity:</b>         | Standard                     |
| <b>Impedance:</b>        | 50 Ohm                        | <b>Testing:</b>     | Continuity Hi-Pot | <b>Impedance:</b>        | 50 Ohm                       |
| <b>Mounting:</b>         | Cable                         | <b>Length:</b>      | 3 Inches          | <b>Mounting:</b>         | Cable                        |
| <b>Body Material:</b>    | Brass                         |                     |                   | <b>Body Material:</b>    | Beryllium Copper             |
| <b>Body Finish:</b>      | Gold                          |                     |                   | <b>Body Finish:</b>      | Gold                         |
| <b>IP Rating:</b>        | None                          |                     |                   | <b>IP Rating:</b>        | None                         |
| <b>Contact Material:</b> | Beryllium Copper              |                     |                   | <b>Contact Material:</b> | Beryllium Copper             |
| <b>Contact Finish:</b>   | Gold                          |                     |                   | <b>Contact Finish:</b>   | Gold                         |
| <b>Max. Freq.:</b>       | 12.4 GHz                      |                     |                   | <b>Max. Freq.:</b>       | 26.5 GHz                     |
| <b>Booting:</b>          | SMA Jack Straight             |                     |                   | <b>Booting:</b>          | SMP Plug Right Angle         |
|                          |                               |                     |                   | <b>Clacking:</b>         | 0°                           |



CONTROLLED DOCUMENT - DO NOT COPY

THIS DRAWING MAY CONTAIN PATENTED OR PROPRIETARY INFORMATION AND MUST NOT BE USED FOR ANY PURPOSE DETRIMENTAL TO CUSTOM CABLE INC. IT MAY NOT BE REPRODUCED OR TRANSCRIBED IN ANY FORM WITHOUT THE WRITTEN CONSENT OF CUSTOM CABLE INC. ACCEPTANCE OF THIS DRAWING ESTABLISHES AND AGREEMENT OF THE FOREGOING.

Title:  
**SMA-ST-JK/SMP-RA-PL G174 3I**

Part No:  
**Q-2V0420003003I**

**UNLESS SPECIFIED**  
TOLERANCE:  
0-18 inches +/- 1/2"  
over 18" +/- 2%  
ASSEMBLY:  
CENTER LABEL IF LENGTH  
IS LESS THAN 12 INCHES