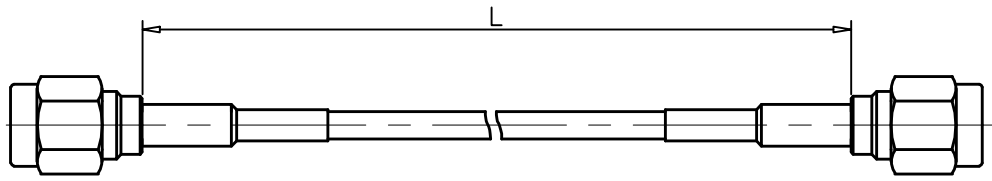


| 1     | 2             | 3      | 4         |         |
|-------|---------------|--------|-----------|---------|
| RevNo | Revision note | Date   | Signature | Checked |
| 00    | Sketch Only   | 7/3/14 | Teresa    | Simon   |



Interface of SMA connector Per: MIL-STD-348, IEC 60169-15  
 Material & Finishing:

SMA:

1. Center conductor: Brass Copper, Gold Plating
2. Insulators: PTFE
3. Spring Washer: Beryllium Copper
4. Body : Brass, Gold Plating
5. Coumping Nut: Brass, Gold
6. Crimp Ferrule: Brass. Nickel

Cable:

1. Center Conductor: Silver Plated Copper Clad Steel
2. Insulator: PTFE
3. Outer Conductor: Silver Plated Copper Braid
4. Jacket: FEP

Heat Shrink Tube: Polyolefine

Electrical Data:

1. Impedance: 50 Ohms
2. Frequency Range: DC to 3.0 GHz
3. Insulation Resistance: 1000 Megohms
4. Dielectric Withstanding Voltage: 750 V Min.
5. VSWR:  $\leq 1.2$
6. Insertion Loss:  $\leq 1.1\text{dB/M} + 0.2\text{dB}$

RoHS Compliant.

ALL DIMENSIONS ARE IN MILLIMETERS AND [INCHES]

KERUI ELECTRONIC CO;LTD

Title  
 SMA male to male  
 crimp with RG142 cable

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UNLESS OTHERWISE NOTED ALL SURFACES FINISHED TO 64/MAX.  
 ALL TOLERANCES ARE:  
 DECIMALS    FRACTIONS    ANGLES  
 $x \pm 1.0$      $\pm 1/64$      $x' \pm 1'$   
 $x.x \pm 0.5$            $x'x' \pm 0.5''$   
 $x.xx \pm 0.1$

|                    |                 |                    |                  |
|--------------------|-----------------|--------------------|------------------|
| Drawn by<br>Teresa | Ckd by<br>Simon | Appd by<br>Richard | Date<br>7/3/2014 |
| Scale<br>1.5:1     | Sheet 1 of 1    | C101101 12 11 01   |                  |