

### Fakra & Fakra II 50Ω High Performance Cost Effective SMB for the Automotor Ind.

An Interconnection System designed to address the growing need for reliable electrical and mechanical RF interconnection within the automotive environment. Specifically for Telematic applications such as GPS, Satellite Radio, Vehicle Internet Access, Remote Vehicle Diagnosis and Bluetooth. Straight Cable Type Terminations are Crimp/Crimp while Right Angle Cable Types are Solder/Crimp.

**Fakra incorporates machined components Fakra II (2<sup>nd</sup> Generation) consists Die-Cast as well as Stamped & Formed Components**

#### Electrical

Impedance - 50Ω  
 Frequency Range - DC-4GHz  
 VSWR - 1.5 max (4GHz)  
 Insertion Loss - <0.3dB up to 4GHz  
 Performance Spec - SAE/USCAR-17, 18

Visit [www.amphenolrf.com](http://www.amphenolrf.com) for more information

#### Materials

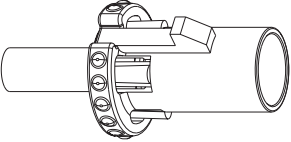
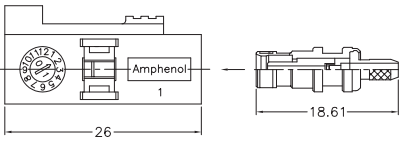
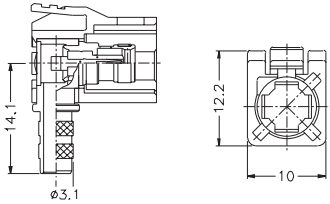
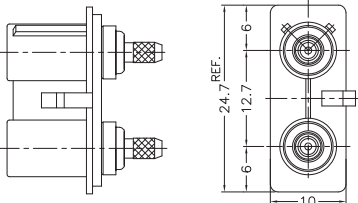
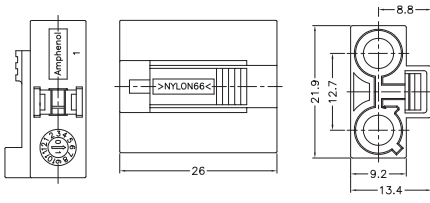
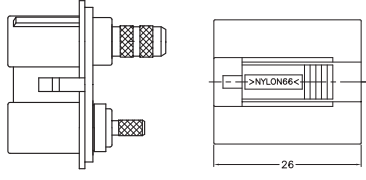
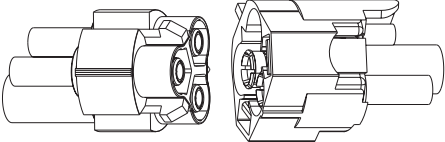
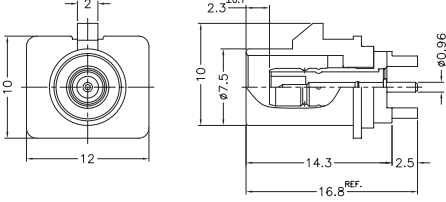
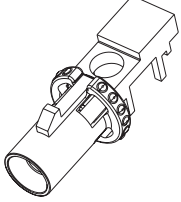
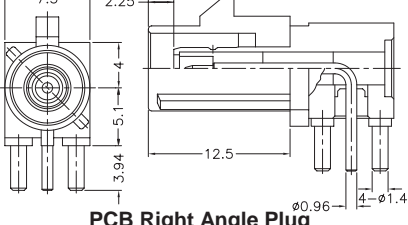
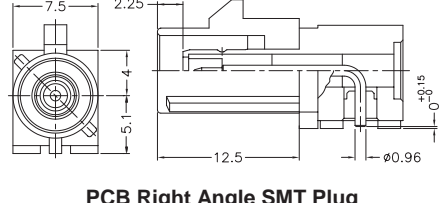
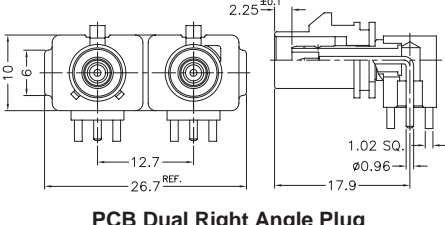
Jack/2<sup>nd</sup> Gen PCB Plug - Nylon 6/6  
 Plug/PCB Plug - PBT+15%GF  
 Body - Brass  
 2<sup>nd</sup> Locking Clip - PBT+15%GF  
 Female Contact - Beryllium Copper  
 Male Contact - Brass  
 Barrel - Brass

#### Features and Benefits







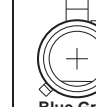

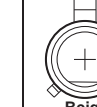
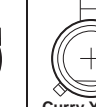
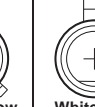
Temperature - -40°C ~ 115°C  
 Durability - 100 min  
 Vibration/Shock - Mil-STD-202

#### Applications

GPS, Satellite Radio, Vehicle Internet Access, Remote Vehicle Diagnosis and Bluetooth

 <p><b>Single Straight Cable Plug</b></p>		 <p><b>Single Straight Cable Jack</b></p>		 <p><b>Right Angle Single Cable Jack</b></p>	
<b>Part Number</b>	<b>Description</b>	<b>Part Number</b>	<b>Description</b>	<b>Part Number</b>	<b>Description</b>
<b>FA1-NxSP-C01-1</b>	RG174/188/316	<b>FA1-NxSJ-C01-0</b>	RG174/188/316	<b>FA1-NxRJ-C01-0</b>	RG174/188/316
<b>FA1-NxSP-C04-1</b>	RG58/141	<b>FA1-NxSJ-C04-0</b>	RG58/141	<b>FA1-NxRJ-C04-0</b>	RG58/141
<b>2FA1-NxSP-C01-1</b>	2 <sup>nd</sup> Gen RG174/188/316	<b>2FA1-NxSJ-C01-0</b>	2 <sup>nd</sup> Gen RG174/188/316	<b>2FA1-NxRJ-C01-0</b>	2 <sup>nd</sup> Gen RG174/188/316
<b>2FA1-NxSP-C04-1</b>	2 <sup>nd</sup> Gen RG58/141	<b>2FA1-NxSJ-C04-0</b>	2 <sup>nd</sup> Gen RG58/141	<b>2FA1-NxRJ-C04-0</b>	2 <sup>nd</sup> Gen RG58/141
 <p><b>Dual Straight Cable Plugs</b></p>		 <p><b>Dual Straight Cable Jacks</b></p>		 <p><b>Plug Combo Straight for RG58 &amp; RG174</b></p>	
<b>Part Number</b>	<b>Description</b>	<b>Part Number</b>	<b>Description</b>	<b>Part Number</b>	<b>Description</b>
<b>FA2-NxSP-C01-9</b>	RG174/188/316	<b>FA2-NxSJ-C01-0</b>	RG174/188/316	<b>FA2-NxSP-C00-9</b>	Plug
<b>FA2-NxSP-C04-9</b>	RG58/141	<b>FA2-NxSJ-C04-0</b>	RG58/141	<b>2FA2-NxSP-C00-9</b>	2 <sup>nd</sup> Gen Plug
<b>2FA2-NxSP-C01-9</b>	2 <sup>nd</sup> Gen RG174/188/316	<b>2FA2-NxSJ-C01-0</b>	2 <sup>nd</sup> Gen RG174/188/316	<b>FA2-NxSJ-C00-6</b>	Jack
<b>2FA2-NxSP-C04-9</b>	2 <sup>nd</sup> Gen RG58/141	<b>2FA2-NxSJ-C04-0</b>	2 <sup>nd</sup> Gen RG58/141	<b>2FA2-NxSJ-C00-0</b>	2 <sup>nd</sup> Gen Jack
 <p><b>Tri Straight Cable</b></p>		 <p><b>PCB Vertical Plug</b></p>		 <p><b>PCB Straight SMT Plug</b></p>	
<b>Part Numbers upon request</b>		<b>Part Number</b>	<b>FA1-NxSP-PCB-2</b>	<b>Part Number</b>	<b>FA1-NxSP-PCB-X</b>
 <p><b>PCB Right Angle Plug</b></p>		 <p><b>PCB Right Angle SMT Plug</b></p>		 <p><b>PCB Dual Right Angle Plug</b></p>	
<b>Part Number</b>	<b>FA1-NxRP-PCB-10</b>	<b>Part Number</b>	<b>FA1-NxRP-PCB-11</b>	<b>Part Number</b>	<b>FC2-NKERP-PCB-S</b>

**Mechanical And Colour Coding Replace x with code indicated below code diagram for appropriate solution (Keying from Plug side)**

										
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>K</b>	<b>WIZ</b>