

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 (2nd 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 for more information

Materials

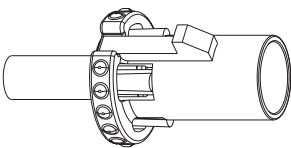
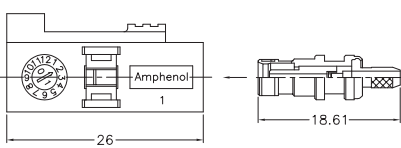
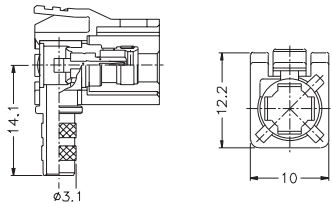
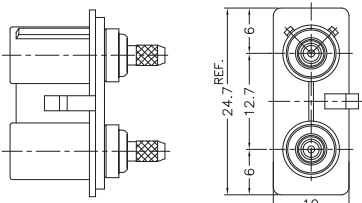
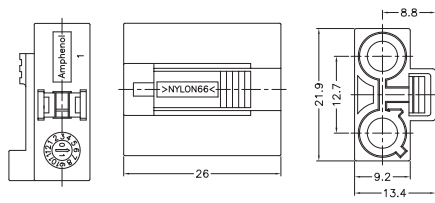
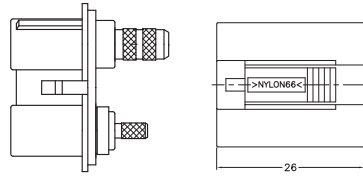
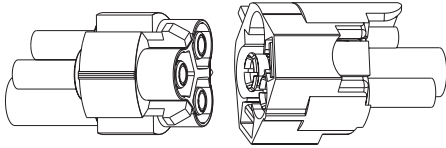
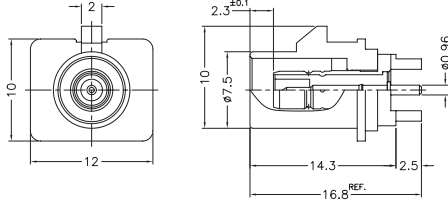
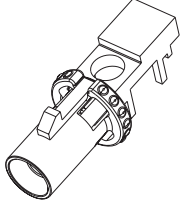
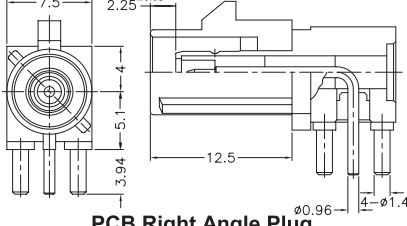
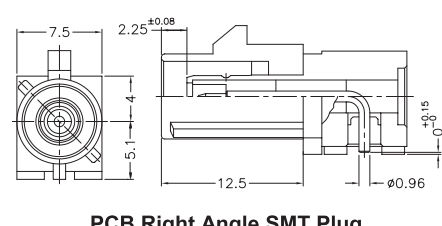
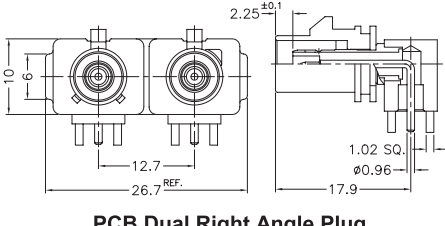
Jack/2nd Gen PCB Plug - Nylon 6/6
Plug/PCB Plug - PBT+15%GF
Body - Brass
2nd Locking Clip - PBT+15%GF
Female Contact - Beryllium Copper
Male Contact - Brass
Barrel - Brass

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

										
Single Straight Cable Plug		Single Straight Cable Jack		Right Angle Single Cable Jack						
Part Number	Description	Part Number	Description	Part Number	Description					
FA1-NxSP-C01-1	RG174/188/316	FA1-NxSJ-C01-0	RG174/188/316	FA1-NxRJ-C01-0	RG174/188/316					
FA1-NxSP-C04-1	RG58/141	FA1-NxSJ-C04-0	RG58/141	FA1-NxRJ-C04-0	RG58/141					
2FA1-NxSP-C01-1	2 nd Gen RG174/188/316	2FA1-NxSJ-C01-0	2 nd Gen RG174/188/316	2FA1-NxRJ-C01-0	2 nd Gen RG174/188/316					
2FA1-NxSP-C04-1	2 nd Gen RG58/141	2FA1-NxSJ-C04-0	2 nd Gen RG58/141	2FA1-NxRJ-C04-0	2 nd Gen RG58/141					
										
Dual Straight Cable Plugs		Dual Straight Cable Jacks		Plug Jack Combo Straight for RG58 & RG174						
Part Number	Description	Part Number	Description	Part Number	Description					
FA2-NxSP-C01-9	RG174/188/316	FA2-NxSJ-C01-0	RG174/188/316	FA2-NxSP-C00-9	Plug					
FA2-NxSP-C04-9	RG58/141	FA2-NxSJ-C04-0	RG58/141	2FA2-NxSP-C00-9	2 nd Gen Plug					
2FA2-NxSP-C01-9	2 nd Gen RG174/188/316	2FA2-NxSJ-C01-0	2 nd Gen RG174/188/316	FA2-NxSJ-C00-6	Jack					
2FA2-NxSP-C04-9	2 nd Gen RG58/141	2FA2-NxSJ-C04-0	2 nd Gen RG58/141	2FA2-NxSJ-C00-0	2 nd Gen Jack					
										
Tri Straight Cable		PCB Vertical Plug		PCB Straight SMT Plug						
Part Numbers upon request		Part Number	FA1-NxSP-PCB-2	Part Number	FA1-NxSP-PCB-X					
										
PCB Right Angle Plug		PCB Right Angle SMT Plug		PCB Dual Right Angle Plug						
Part Number	FA1-NxRP-PCB-10	Part Number	FA1-NxRP-PCB-11	Part Number	FC2-NKERP-PCB-S					
Mechanical And Colour Coding Replace x with code indicated below code diagram for appropriate solution (Keying from Plug side)										
										
A	B	C	D	E	F	G	H	I	K	W/Z