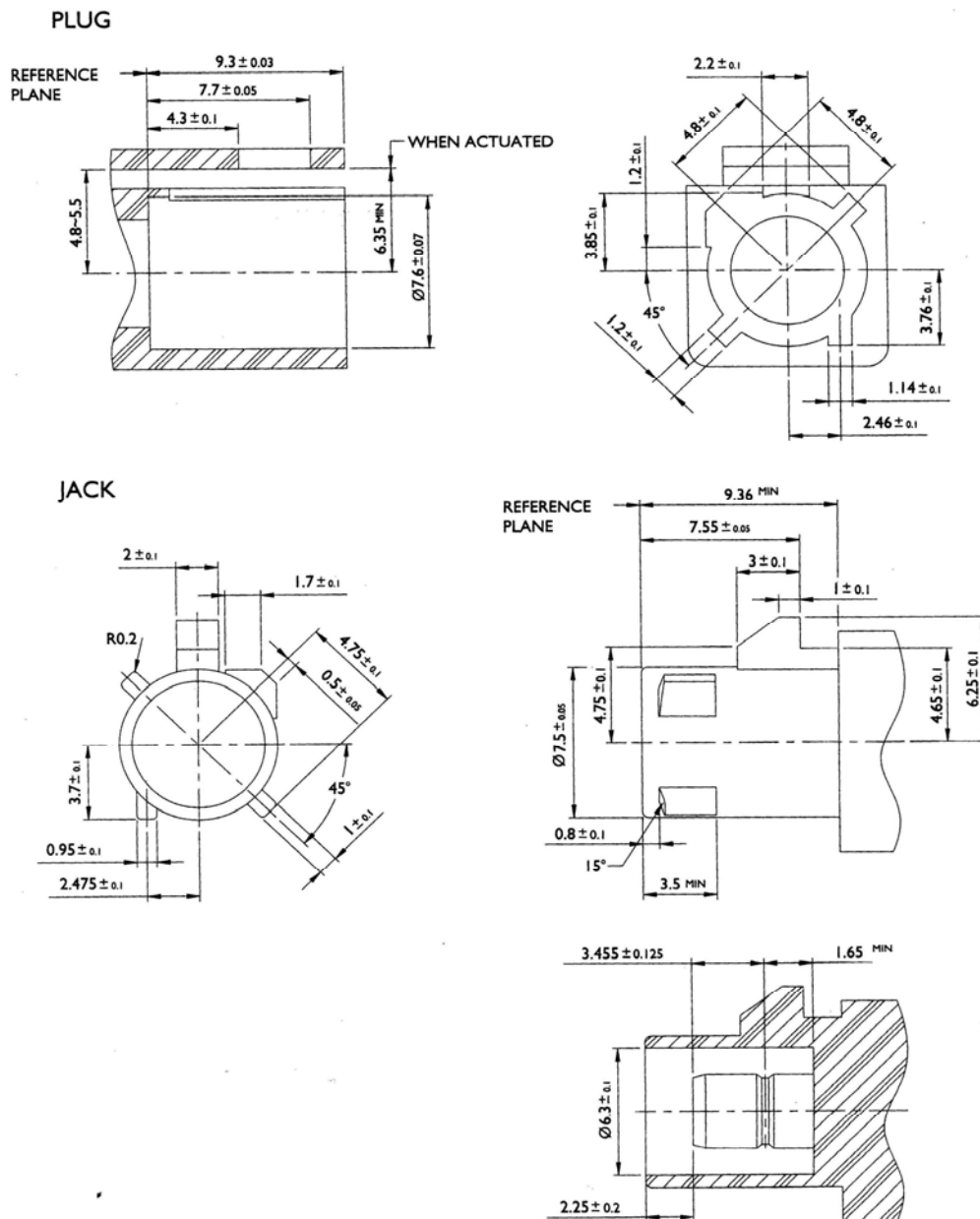


Description

To cope with growth demands in telematics and multimedia applications for modern automobile, Automotive Industries created a high-performing, cost-effective RF connector based on the FAKRA and USCAR standards. Based on SMB interface, FAKRA connectors include a plastic housing and are designed with multiple colored codes for easy identification.

FAKRA connectors are designed to operate up to 4GHz and for applications of particular mechanical and environmental requirements of the automobile industry such as Digital Satellite Radio(SDARS),GSM,GPS.

Interface Mating Dimensions



Material / Finish:

Parts name	Material	Finish
Plastic housing	PA66 W / 15 % Glass Fiber	See Coding Color
Body, Metal parts	Brass per QQ-B-626	Nickel 70 micro-inches
Center contact	Male: Brass per QQ-B-626	Gold 3 micro-inches
	Female: Beryllium copper per QQ-C-530	Gold 3 micro-inches
Insulators	Teflon	None
Crimp ferrules	Annealed Brass	Nickel 70 micro-inches

Electrical:

Impedance		50 Ohm
Frequency range		0 - 4GHz
Working voltage		RG-178; 250 VRMS max.
		RG-316, .085"; 335 VRMS max.
Dielectric withstanding voltage		RG-178; 750 VRMS min.
		RG-316, .085" ; 1000 VRMS min.
VSWR	Straight	1.30 Max.
	Right Angle	1.50 Max
Contact resistance	Center contact	20 Milliohms Max.
	Outer contact	10 Milliohms Max.
Insulator resistance		1000 Megohms min.

Mechanical & Environmental:

Engagement force	25N.max.
Disengagement	2N.min.
Contact Retention	4 lbs.min.
Durability(Mating)	25 cycles min
Temperature Range	-40°C to 105°C
Vibration	MIL-STD-202 Method 204 Test Cond.B.
Salt Spray	MIL-STD-202 Method 101 Test Cond.B.
Thermal Shock	MIL-STD-202 Method 107 Test Cond.B.

NOTE: Other Material/Finish is Available on Request

FAKRA Connector



P/N:10210109

FAKRA SMB(F Contact) S/T Plug

For RG-178 Code A



P/N:18210121

FAKRA SMB(F Contact) S/T Plug

For RG-141/303/LMR-195 Code A



P/N:10210141

FAKRA SMB(F Contact) S/T Plug

For RG-59(75 Ohm) Code A



P/N:10210113

FAKRA SMB(F Contact) S/T Plug

For RG-174/316 Code A



P/N:06212013

FAKRA SMB(M Contact) S/T Jack

For RG-174/316 Code B



P/N:18211913

FAKRA SMB(F Contact) S/T Plug

For RG-174/316 Code B

FAKRA Connector



P/N:10210313

FAKRA SMB(F Contact) S/T Plug

For RG-174/316 Code C



P/N:10210309

FAKRA SMB(F Contact) S/T Plug

For RG-178 Code C



P/N:10210509

FAKRA SMB(F Contact) S/T Plug

For RG-178 Code D



P/N:10210513

FAKRA SMB(F Contact) S/T Plug

For RG-174/316 Code D



P/N:18212313

FAKRA SMB(F Contact) S/T Plug

For RG-174/316 Code E



P/N:18212513

FAKRA SMB(F Contact) S/T Plug

For RG-174/316 Code F

FAKRA Connector



P/N:18210713

FAKRA SMB(F Contact) S/T Plug

For RG-174/316 Code K

FAKRA Connector



P/N:06212734

FAKRA SMB(M Contact) R/A Jack
For P.C.B Mount Code A



P/N:06212834

FAKRA SMB(M Contact) R/A Jack
For P.C.B Mount Code B



P/N:06212934

FAKRA SMB(M Contact) R/A Jack
For P.C.B Mount Code C



P/N:06213034

FAKRA SMB(M Contact) R/A Jack
For P.C.B Mount Code D



P/N:06213134

FAKRA SMB(M Contact) R/A Jack
For P.C.B Mount Code E



P/N:06213234

FAKRA SMB(M Contact) R/A Jack
For P.C.B Mount Code F

FAKRA Connector



P/N:06213634

FAKRA SMB(M Contact) R/A Jack

For P.C.B Mount Code K