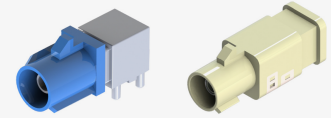


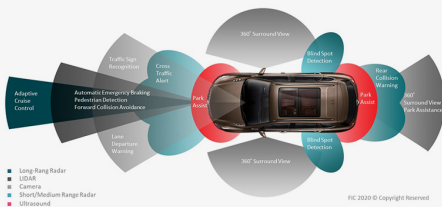


FAKRA Series



JPC's FAKRA is based on the SMB connector interface and comply with the standard for a uniform connector system established by FAKRA (Fach-kreis Automobile). Due to their special standardized locking system, FAKRA connector is fulfill the high speed transmit and safety requirements of automotive industry. It meet the specification of SAE/USCAR-17 (Performance Specification for Automotive RF Connector Systems), SAE/USCAR-18 (FAKRA SMB RF Connector Supplement) and SAE/USCAR-2 (Performance Specification for Automotive Electrical Connector System).

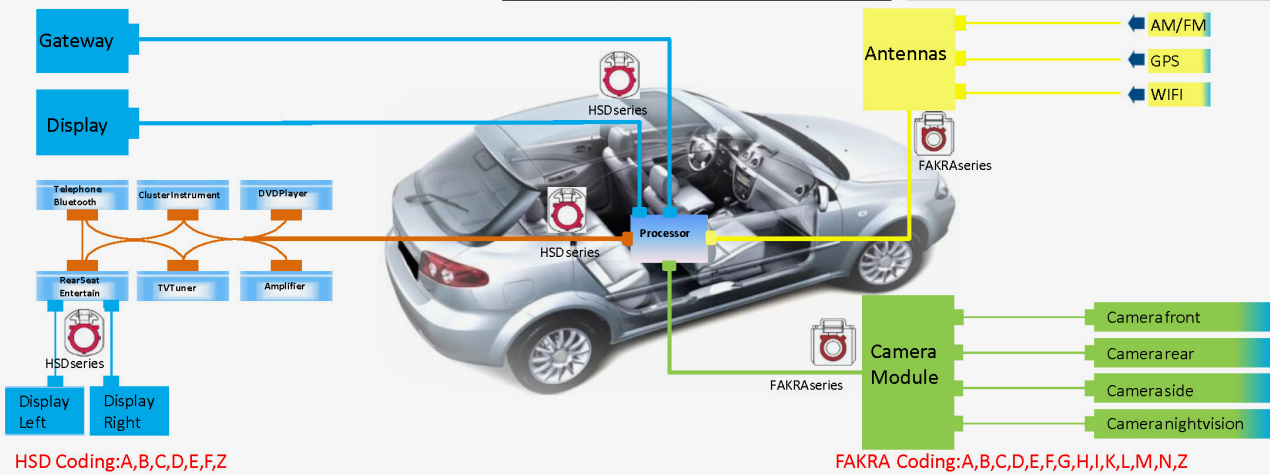
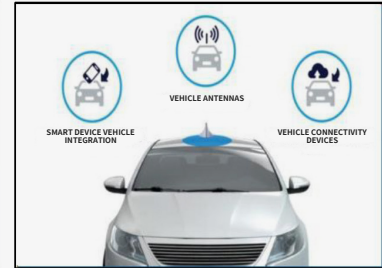
ADAS Data Communication



Infotainment Data Communication



Antenna Data Communication



MECHANICAL DATA

1. Mating cycles: 25 cycles min
2. Connector engagement force: 40 N max
3. Connector disengagement force(lock disable) : 75 N max
4. Polarization feature effectiveness: 110 N min

ELECTRICAL DATA

1. Impedance: 50Ω+/-10%
2. Frequency: DC to 6 GHz
3. Insertion Loss : 0-3 GHz min 0.3 dB
3-6 GHz min 0.45 dB
4. Current rating: 1A

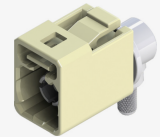
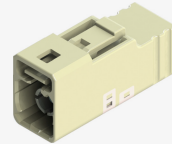
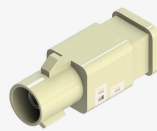
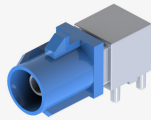
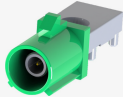
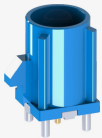


PRODUCT FEATURE

1. Fully compliant to USCAR requirements
2. RF performance up to 6 GHz
3. Complete product family
4. Tulip contact / anti-scooping
5. Primary and secondary locks

PRODUCT APPLICATION

1. Advanced Driver Assistance System(ADAS)
2. Touch-screen infotainment
3. Antenna, navigation, and camera



CODE	A	B	C	D	E	F	G
Male							
Female							
Color	Jet Black RAL 9005	Cream RAL 9001	Signal blue RAL 5005	Claret violet RAL 4004	Leaf green RAL 6002	Nut brown RAL 8011	Blue grey RAL 7031
Device/ Application	Radio w/o phantom support	Radio w/ phantom support	GPS	GSM/ Mobile Phone	TV1	TV2	Remote Keyless Entry

CODE	H	I	K	L	M	N	Z
Male							
Female							
Color	Heather violet RAL 4003	Beige RAL 1001	Curry RAL 1027	Carmin red RAL 3002	Pastel orange RAL 2003	Pastel green RAL 6019	Water blue RAL 5021
Device/ Application	Telematics/ Navigation	Bluetooth/ Heating	SDARS Satellite	No Define	Tire Pressure Monitoring	No Define	Neutral

