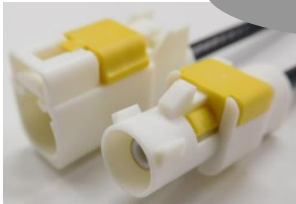


## FAKRA connector

# JRF connector

WtoW



SOP : 2020 June

### Part Number

①Female Housing Ass'y	JRFRB-01-1*-*
②Female O/Contact Ass'y	JRFRSI-01-1A
③Female C/Contact	SJRF-C1.5D0GG-P0.5
④Male Housing Ass'y	JRFPB-01-1*-*
⑤Male O/Contact Ass'y	JRFPPI-01-1A
⑥Male C/Contact	SJRFW-C1.5D0GG-0.5
⑦Sleeve	SJRFFL-A1.5DN-3.1

\*It is under developing,so we have the possibility to change the design and specification.

### Specification

No.	Item	Product Specification
1	Connector Type	Wire to Wire(Non-Waterproof)
2	No. of Circuits	1 Positions / 1 Row
3	Pin Size	C/Contact 0.5mm O/Contact 3.685mm
4	Plating	C/Contact Gold O/Contact Pre-Tin
5	Current Rating	1A
6	Test Voltage	800V AC
7	Test Spec	USCAR Spec
8	Temperature Range	-40°C~105°C
9	Frequency Range	DC-6GHz

### Information

#### Interface

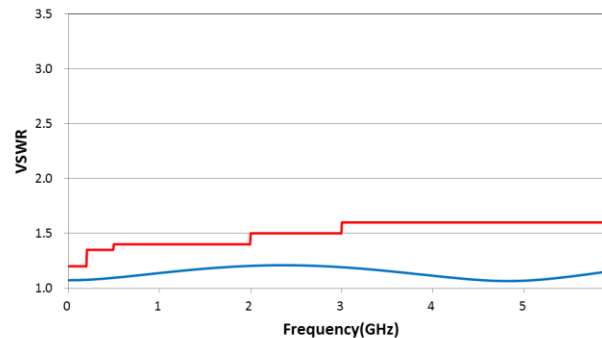
Interface compatible with USCAR-18,ISO20860-1

#### RF Leakage

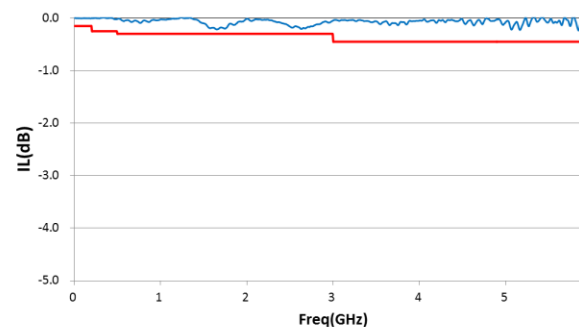
Even if the outer contact is a pressed product,  
The RF leak characteristics are good.

### Electrical Data

#### Actual Result(According to USCAR17)

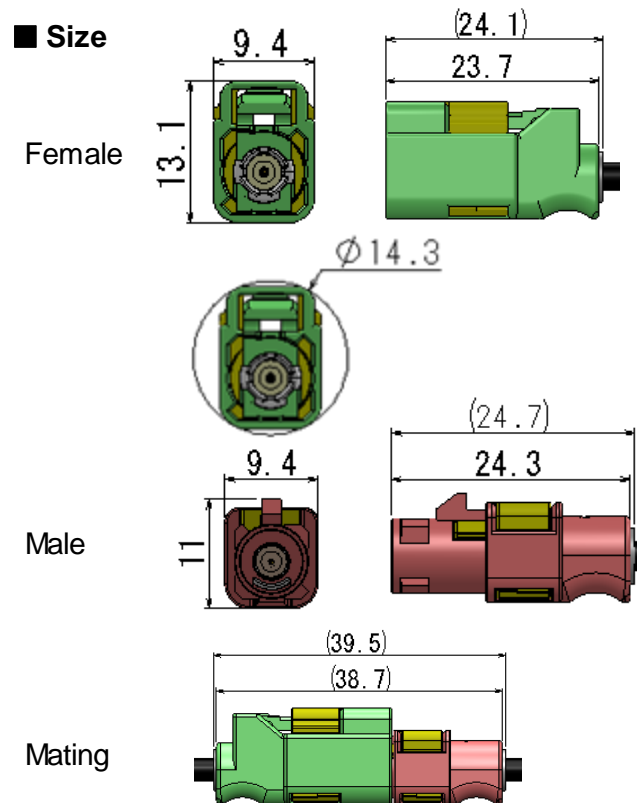


Connector part only.

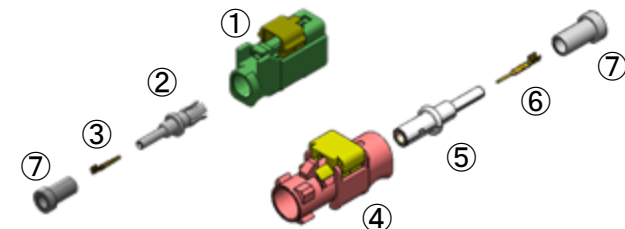


Cable loss has been removed.

### Size



### Exploded View



## FAKRA connector (Low Height)

**JRF** connector

WtoB



SOP : 2020 June

### Part Number

Male PCB Assy's SM01B-JRF\*S-1\*TB

※ It is under developing, so we have the possibility to change the design and specification.

### Specification

No.	Item	Product Specification
1	Connector Type	Board(Non-Waterproof)
2	No. of Circuits	1 Positions / 1 Row
3	Pin Size	C/Contact 0.5mm O/Contact 3.685mm
4	Plating	C/Contact Gold O/Contact Tin
5	Current Rating	1A
6	Test Voltage	800V AC
7	Test Spec	USCAR Spec
8	Temperature Range	-40°C~105°C
9	Frequency Range	DC-6GHz

### Information

#### Interface

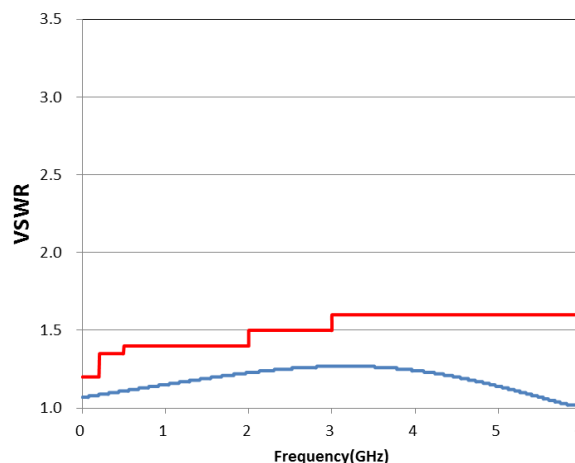
Interface compatible with USCAR18, ISO-20860-1.

#### Soldering method

Soldering with through-hole reflow.

### Electrical Data

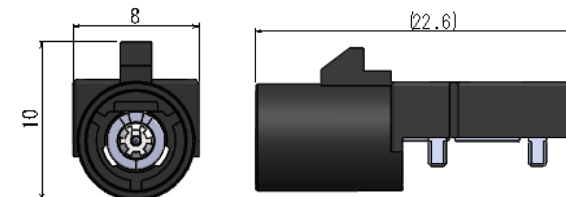
Actual Result (According to USCAR-17)



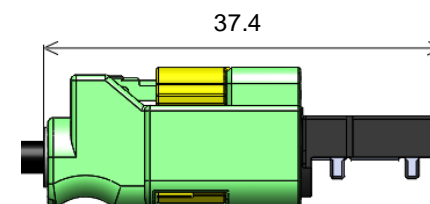
※ Connector part only.

### Size

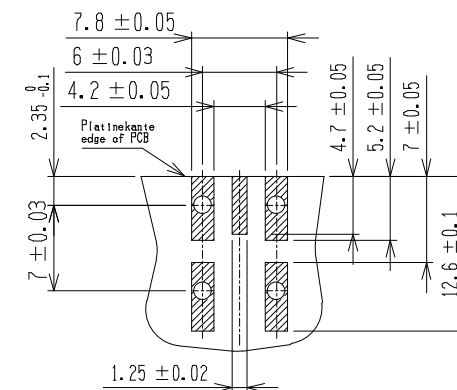
Male



Mating



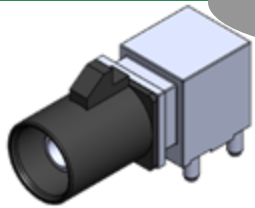
### Board Layout



※ Recommended Board Layout for Soldering.

FAKRA connector(Normal Height)

**JRF** connector  
WtoB



SOP : 2020 December

## Part Number

Male PCB Assy's S01B-JRF\*S-2\*TB

※It is under developing,so we have the possibility to change the design and specification.

## Specification

No.	Item	Product Specification
1	Connector Type	Board(Non-Waterproof)
2	No. of Circuits	1 Positions / 1 Row
3	Pin Size	C/Contact 0.5mm O/Contact 3.685mm
4	Plating	C/Contact Gold O/Contact Tin
5	Current Rating	1A
6	Test Voltage	800V AC
7	Test Spec	USCAR Spec
8	Temperature Range	-40°C~105°C
9	Frequency Range	DC-6GHz

## Information

### Interface

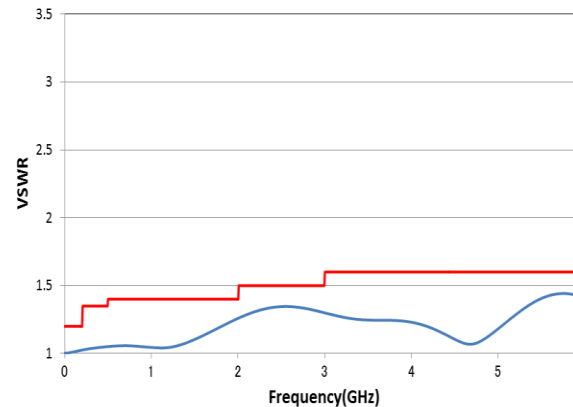
Interface compatible with USCAR-18,ISO-20860-1.

### Soldering method

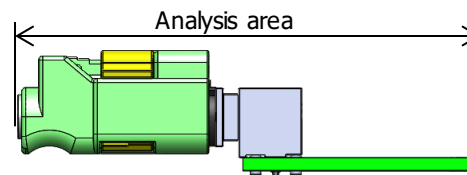
Soldering by flow soldering.(Through hole)

## Electrical Data

### Analysis Result(According to USCAR-17)

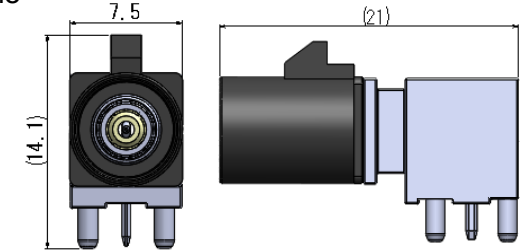


Analysis model.

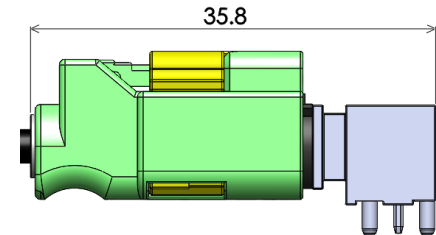


## Size

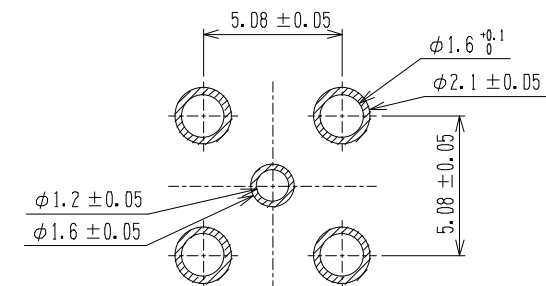
Male



Mating



## Board Layout

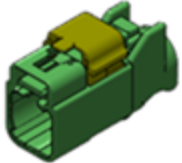
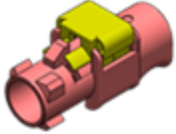

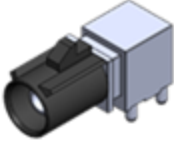















※Recommended Board Layout for Soldering.

FAKRA connector

**JRF** connector

Key-code

Coding					Color
A	JRFRB-01-1A-K	JRFPB-01-1A-K	SM01B-JRFS-1ATB	S01B-JRFS-2ATB	Jet Black 
B	JRFRB-01-1B-W	JRFPB-01-1B-W	SM01B-JRFS-1BTB	S01B-JRFS-2BTB	Cream White 
C	JRFRB-01-1C-E	JRFPB-01-1C-E	SM01B-JRFS-1CTB	S01B-JRFS-2CTB	Signal Blue 
D	JRFRB-01-1D-P	JRFPB-01-1D-P	SM01B-JRFS-1DTB	S01B-JRFS-2DTB	Claret Violet 
E	JRFRB-01-1E-M	JRFPB-01-1E-M	SM01B-JRFS-1ETB	S01B-JRFS-2ETB	Leaf Green 
F	JRFRB-01-1F-DN	JRFPB-01-1F-DN	SM01B-JRFS-1FTB	S01B-JRFS-2FTB	Nut Brown 
G	JRFRB-01-1G-H	JRFPB-01-1G-H	SM01B-JRFS-1GTB	S01B-JRFS-2GTB	Blue Gray 
H	JRFRB-01-1H-LP	JRFPB-01-1H-LP	SM01B-JRFLPS-1HTB	S01B-JRFLPS-2HTB	Heather Violet 
I	JRFRB-01-1I-LN	JRFPB-01-1I-LN	SM01B-JRFLNS-1ITB	S01B-JRFLNS-2ITB	Beige 
K	JRFRB-01-1K-N	JRFPB-01-1K-N	SM01B-JRFS-1KTB	S01B-JRFS-2KTB	Curry 
L	JRFRB-01-1L-R	JRFPB-01-1L-R	SM01B-JRFS-1LTB	S01B-JRFS-2LTB	Carmine Red 
M	JRFRB-01-1M-D	JRFPB-01-1M-D	SM01B-JRFS-1MTB	S01B-JRFS-2MTB	Pastel Orange 
N	JRFRB-01-1N-LG	JRFPB-01-1N-LG	SM01B-JRFLGS-1NTB	S01B-JRFLGS-2NTB	Pastel Green 
Z	JRFRB-01-1Z-LE	JRFPB-01-1Z-LE	SM01B-JRFLS-1ZTB	S01B-JRFLS-2ZTB	Water Blue 