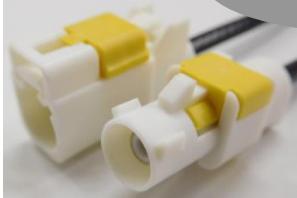


# NEW PRODUCT

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	JRFPsi-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

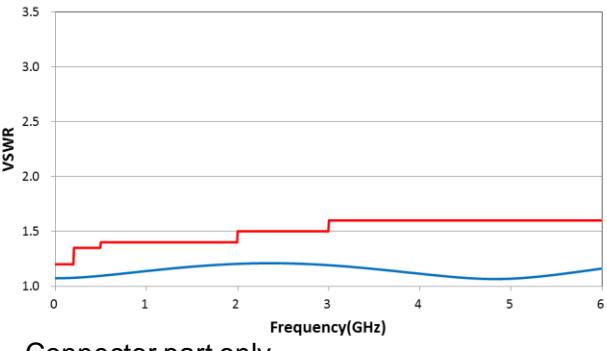
Interface compatible with USCAR-18,ISO20860-1

### ● RF Leakage

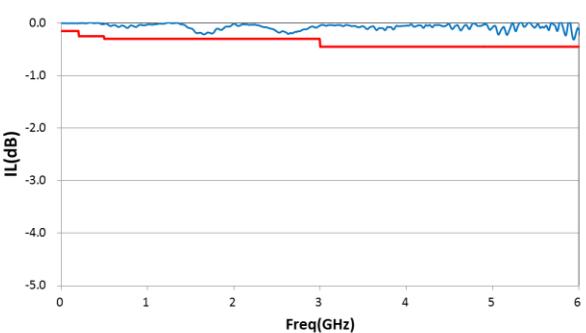
Even if the outer contact is a pressed product,  
The RF leak characteristics are good.

## ■ Electrical Data

### Actual Result (According to USCAR17)



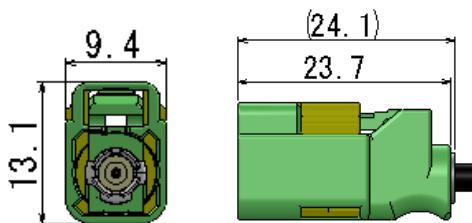
Connector part only.



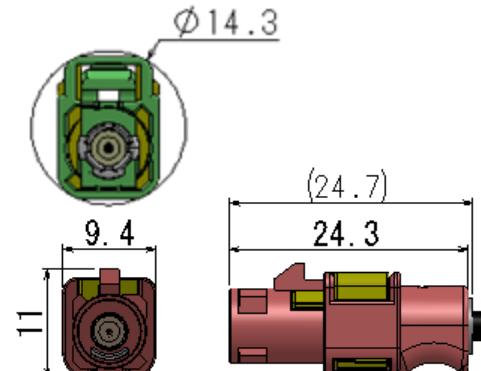
Cable loss has been removed.

## ■ Size

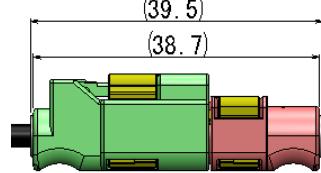
Female



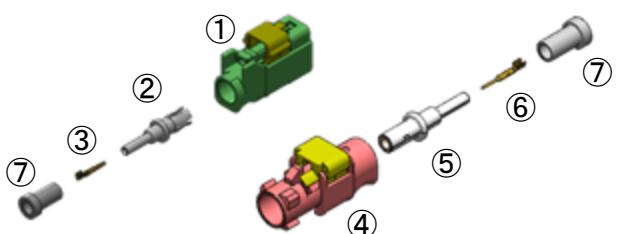
Male



Mating



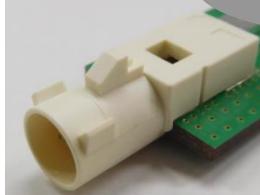
## ■ Exploded View



## 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

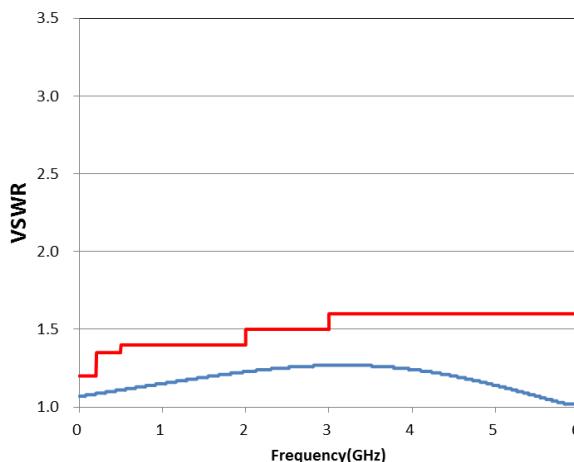
Interface compatible with USCAR18, ISO-20860-1.

#### ● Soldering method

Soldering with through-hole reflow.

### ■ Electrical Data

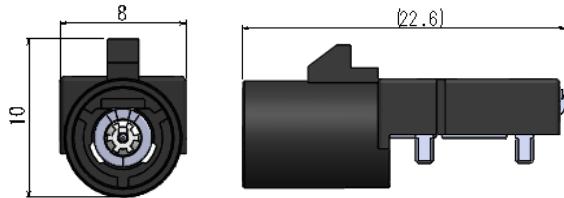
#### Actual Result (According to USCAR-17)



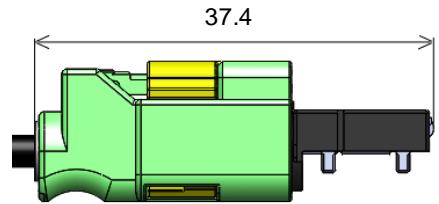
※ Connector part only.

### ■ Size

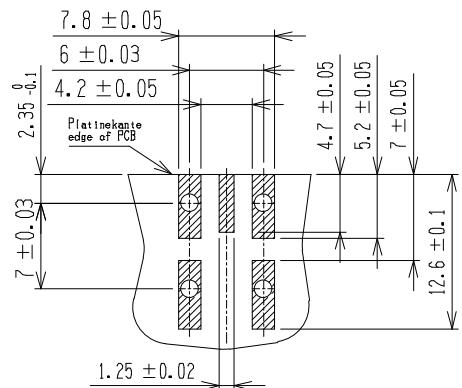
Male



Mating



### ■ Board Layout

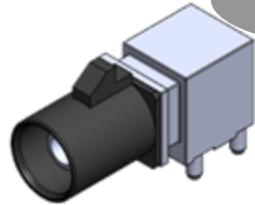


※ Recommended Board Layout for Soldering.

## 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

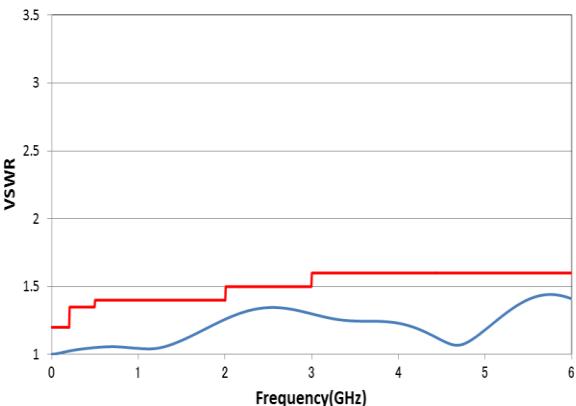
Interface compatible with USCAR-18,ISO-20860-1.

#### ● Soldering method

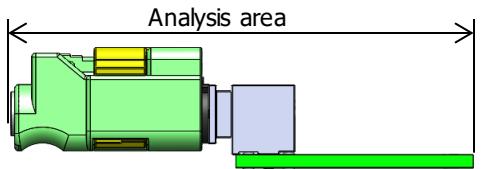
Soldering by flow soldering.(Through hole)

### ■ Electrical Data

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

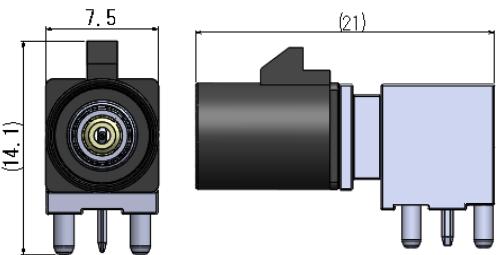


Analysis model.

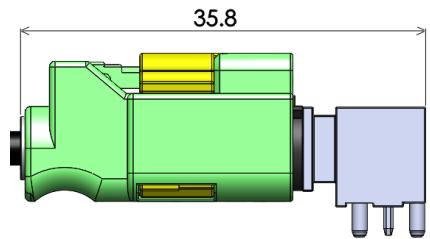


### ■ Size

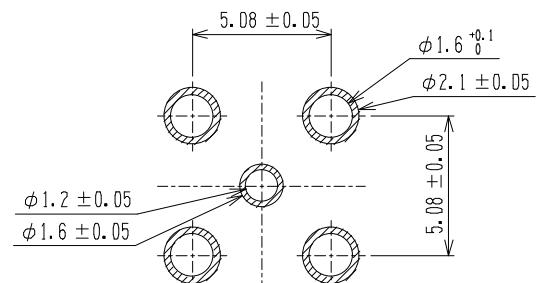
Male



Mating



### ■ Board Layout

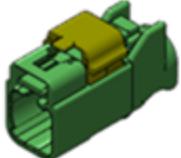
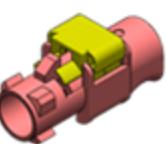


※ Recommended Board Layout for Soldering.

FAKRA connector

**JRF** connector

Key-code

Coding					Color
A	<b>JRFRB-01-1A-K</b>	<b>JRFPB-01-1A-K</b>	<b>SM01B-JRFKS-1ATB</b>	<b>S01B-JRFKS-2ATB</b>	Jet Black 
B	<b>JRFRB-01-1B-W</b>	<b>JRFPB-01-1B-W</b>	<b>SM01B-JRFWS-1BTB</b>	<b>S01B-JRFWS-2BTB</b>	Cream White 
C	<b>JRFRB-01-1C-E</b>	<b>JRFPB-01-1C-E</b>	<b>SM01B-JRFES-1CTB</b>	<b>S01B-JRFES-2CTB</b>	Signal Blue 
D	<b>JRFRB-01-1D-P</b>	<b>JRFPB-01-1D-P</b>	<b>SM01B-JRFP\\$-1DTB</b>	<b>S01B-JRFP\\$-2DTB</b>	Claret Violet 
E	<b>JRFRB-01-1E-M</b>	<b>JRFPB-01-1E-M</b>	<b>SM01B-JRFMS-1ETB</b>	<b>S01B-JRFM-2ETB</b>	Leaf Green 
F	<b>JRFRB-01-1F-DN</b>	<b>JRFPB-01-1F-DN</b>	<b>SM01B-JRFDNS-1FTB</b>	<b>S01B-JRFDNS-2FTB</b>	Nut Brown 
G	<b>JRFRB-01-1G-H</b>	<b>JRFPB-01-1G-H</b>	<b>SM01B-JRFHS-1GTB</b>	<b>S01B-JRFHS-2GTB</b>	Blue Gray 
H	<b>JRFRB-01-1H-LP</b>	<b>JRFPB-01-1H-LP</b>	<b>SM01B-JRFLPS-1HTB</b>	<b>S01B-JRFLPS-2HTB</b>	Heather Violet 
I	<b>JRFRB-01-1I-LN</b>	<b>JRFPB-01-1I-LN</b>	<b>SM01B-JRFLNS-1ITB</b>	<b>S01B-JRFLNS-2ITB</b>	Beige 
K	<b>JRFRB-01-1K-N</b>	<b>JRFPB-01-1K-N</b>	<b>SM01B-JRFNS-1KTB</b>	<b>S01B-JRFNS-2KTB</b>	Curry 
L	<b>JRFRB-01-1L-R</b>	<b>JRFPB-01-1L-R</b>	<b>SM01B-JRFRS-1LTB</b>	<b>S01B-JRFRS-2LTB</b>	Carmine Red 
M	<b>JRFRB-01-1M-D</b>	<b>JRFPB-01-1M-D</b>	<b>SM01B-JRFDS-1MTB</b>	<b>S01B-JRFDS-2MTB</b>	Pastel Orange 
N	<b>JRFRB-01-1N-LG</b>	<b>JRFPB-01-1N-LG</b>	<b>SM01B-JRFLGS-1NTB</b>	<b>S01B-JRFLGS-2NTB</b>	Pastel Green 
Z	<b>JRFRB-01-1Z-LE</b>	<b>JRFPB-01-1Z-LE</b>	<b>SM01B-JRFLES-1ZTB</b>	<b>S01B-JRFLES-2ZTB</b>	Water Blue 