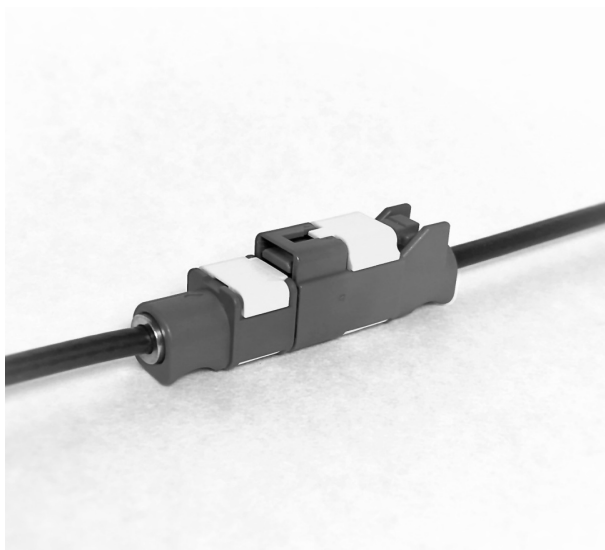


JRF CONNECTOR

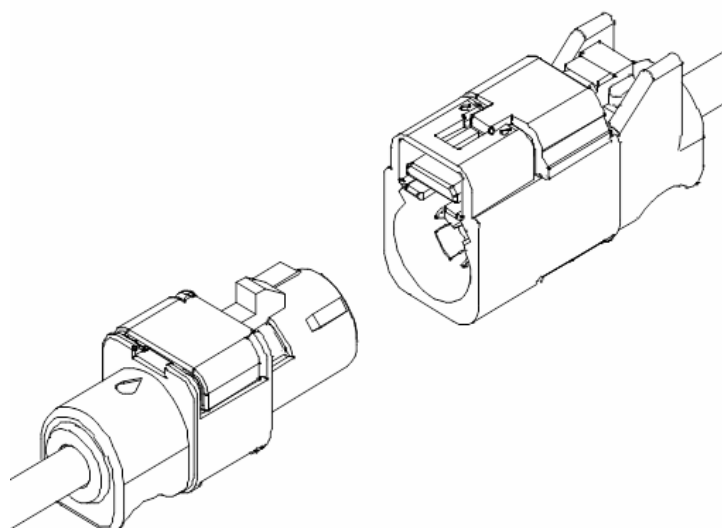
Wire-to-wire · High frequency



Fully compatible and designed based on requirements from the FAKRA RF and USCAR standards for telematics and automotive communications technology.

■ Features

- Interface Compatible with USCAR-18,ISO20860-1
- 14 Key Codes
- Unsealed Inline Connector
- Superb high-frequency performance
VSWR achieves 1.5 MAX.
Insertion Loss achieves 0.45 MAX.



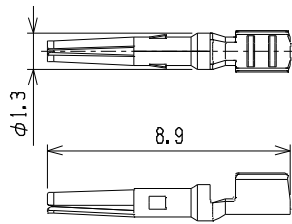
■ Key Codes (Male side)

A	B	C	D	E
F	G	H	I	K
L	M	N	Z	

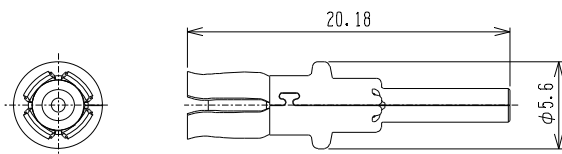
■ Specifications

- Current rating : 1A max.
- Withstanding voltage : 800 VAC /minute
- Temperature range : -40°C to +105°C
(including temperature rise in applying electrical current)
- Contact resistance : Center Contact
Initial value/ 5 mΩ max.
After environmental tests/ 24 mΩ max.
Outer Contact
Initial value/ 5 mΩ max.
After environmental tests/ 6 mΩ max.
- Insulation resistance : 100 MΩ min.
- Applicable wire : LS Cable 1.5DS-CV
- Frequency : DC~6GHz
- Characteristic impedance : 50 Ω

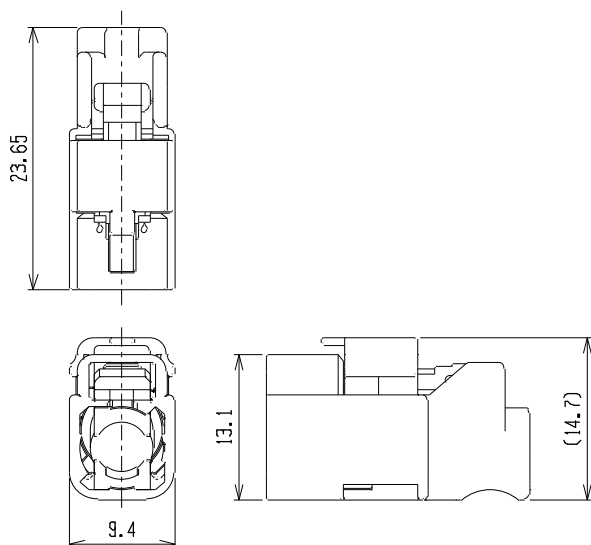
*Compliant with ELV/RoHS2.
*Contact JST for details.

Female Center Contact


Model No.	Q'ty/reel
SJRF-C1.5D0GG-P0.5	35,000
Material and Finish	
Phosphor Bronze, Nickel-Undercoated, Contact Area: Au-Plated Barrel Area : Tin-Plated (Reflow Treatment)	

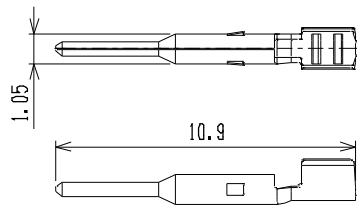
Female Outer Contact Assy


Model No.	Q'ty/reel
JRFRSI-01-1A	2,500
Material and Finish	
Outer Contact : Phosphor Bronze, Cu-Undercoated, Tin-Plated (Reflow Treatment) Insulator : COC	

Female Housing Assy


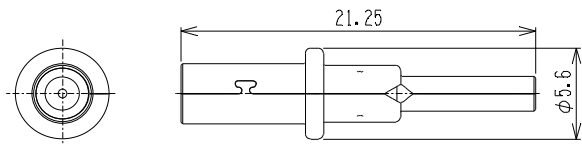
Key Code	Model No.	Q'ty/Box	Housing Color
A	JRFRB-01-1A-K	960	Jet Black
B	JRFRB-01-1B-W	960	Cream White
C	JRFRB-01-1C-E	960	Signal Blue
D	JRFRB-01-1D-P	960	Claret Violet
E	JRFRB-01-1E-M	960	Leaf Green
F	JRFRB-01-1F-DN	960	Nut Brown
G	JRFRB-01-1G-H	960	Blue Gray
H	JRFRB-01-1H-LP	960	Heather Violet
I	JRFRB-01-1I-LN	960	Beige
K	JRFRB-01-1K-N	960	Curry
L	JRFRB-01-1L-R	960	Carmine Red
M	JRFRB-01-1M-D	960	Pastel Orange
N	JRFRB-01-1N-LG	960	Pastel Green
Z	JRFRB-01-1Z-LE	960	Water Blue
Material and Finish			
Housing: PBT Retainer: PBT (Yellow)			

Male Center Contact



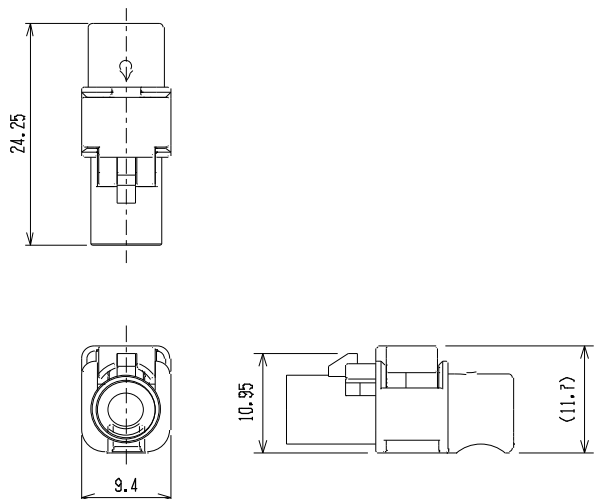
Model No.	Q'ty/reel
SJRFW-C1.5D0GG-0.5	35,000
Material and Finish	
Brass, Nickel-Undercoated, Contact Area: Au-plated Barrel Area : Tin-Plated (Reflow Treatment)	

Male Outer Contact Assy



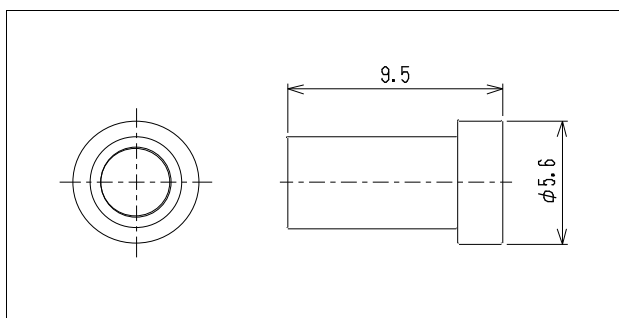
Model No.	Q'ty/reel
JRFPsi-01-1A	2,500
Material and Finish	
Outer Contact : Brass, Cu-Undercoated, Tin-Plated (Reflow Treatment) Insulator : COC	

Male Housing Assy



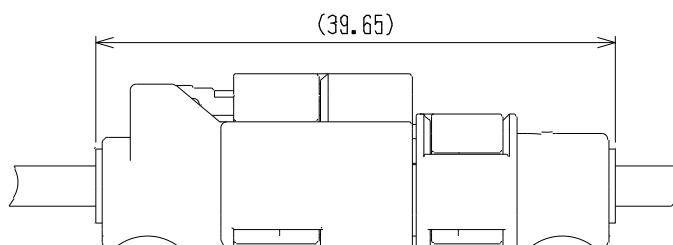
Key Code	Model No.	Q'ty/Box	Housing Color
A	JRFPB-01-1A-K	1,080	Jet Black
B	JRFPB-01-1B-W	1,080	Cream White
C	JRFPB-01-1C-E	1,080	Signal Blue
D	JRFPB-01-1D-P	1,080	Claret Violet
E	JRFPB-01-1E-M	1,080	Leaf Green
F	JRFPB-01-1F-DN	1,080	Nut Brown
G	JRFPB-01-1G-H	1,080	Blue Gray
H	JRFPB-01-1H-LP	1,080	Heather Violet
I	JRFPB-01-1I-LN	1,080	Beige
K	JRFPB-01-1K-N	1,080	Curry
L	JRFPB-01-1L-R	1,080	Carmine Red
M	JRFPB-01-1M-D	1,080	Pastel Orange
N	JRFPB-01-1N-LG	1,080	Pastel Green
Z	JRFPB-01-1Z-LE	1,080	Water Blue
Material and Finish			
Housing: PBT Retainer: PBT (Yellow)			

Sleeve



Model No.	Q'ty/box
BJRFFL-A1.5DN-3.1	2,000
Material and Finish	
Brass, Nickel-Plated	

Assembly layout



Mating condition

Reference

Note: Contact JST for details.

Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator body MKS-L-10	
		Dies	Crimp applicator with dies
SJRF-C1.5D0GG-P0.5	AP-K2N	SJRF/W-C1.5D0-05	APLMK SJRF/WC1.5D0-05
SJRFW-C1.5D0GG-0.5			

Strip terminal	Crimping machine	Crimp applicator body MKS-JRF	
		Dies	Crimp applicator with dies
BJRFFL-A1.5DN-3.1	AP-K2N	BJRFFL-A1.5DN-3.1	APLMK JRF-SLEEVE

Note: 1. Contact JST for details.

2. When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

JST:

[BJRFFL-A1.5DN-3.1](#) [JRFPB-01-1A-K](#) [JRFPB-01-1B-W](#) [JRFPB-01-1C-E](#) [JRFPB-01-1D-P](#) [JRFPB-01-1E-M](#) [JRFPB-01-1F-DN](#) [JRFPB-01-1G-H](#) [JRFPB-01-1H-LP](#) [JRFPB-01-1I-LN](#) [JRFPB-01-1K-N](#) [JRFPB-01-1L-R](#) [JRFPB-01-1M-D](#) [JRFPB-01-1N-LG](#) [JRFPB-01-1Z-LE](#) [JRFPSI-01-1A](#) [JRFRB-01-1A-K](#) [JRFRB-01-1B-W](#) [JRFRB-01-1C-E](#) [JRFRB-01-1D-P](#) [JRFRB-01-1E-M](#) [JRFRB-01-1F-DN](#) [JRFRB-01-1G-H](#) [JRFRB-01-1H-LP](#) [JRFRB-01-1I-LN](#) [JRFRB-01-1K-N](#) [JRFRB-01-1L-R](#) [JRFRB-01-1M-D](#) [JRFRB-01-1N-LG](#) [JRFRB-01-1Z-LE](#) [JRFRSI-01-1A](#) [SJRF-C1.5D0GG-P0.5](#) [SJRFW-C1.5D0GG-0.5](#)