

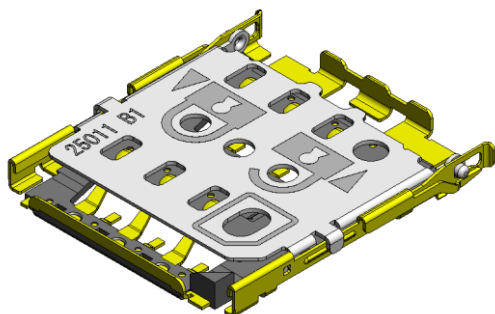
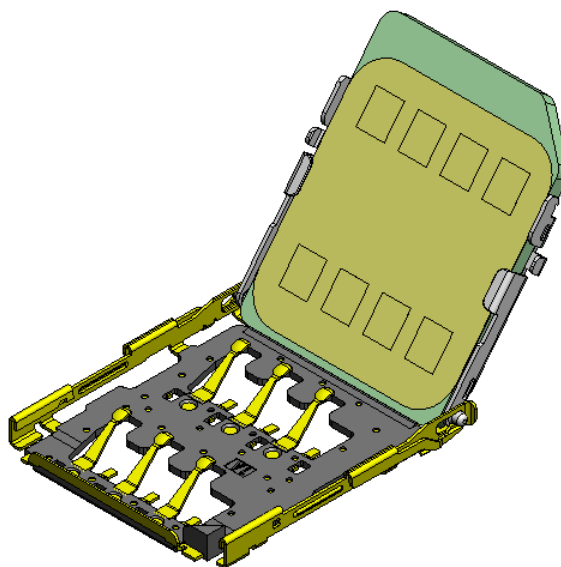
micro SIM Card Connector

SF15 Series

CONNECTOR

MB-0346-4

Dec.2024

RoHS CompliantClosedOpened

Along with the recent advancement of IoT and commercialized 5G services, various devices install SIM cards for wireless connection.

Due to the progress of electrification (EV) and higher functionality of automobiles, they are also being equipped with wireless WAN capabilities to allow software updates, providing WiFi connectivity to passenger, and other use cases. To meet this demand, we have evaluated the "SF15 Series" of micro SIM(Mini-UICC) card-compatible hinge-type connectors automotive specifications, including high-temperature environments of 125°C.

(SIM : Subscriber Identify Module)

Application

Tablets, notebook PCs, audio visual equipment, and others

*Not compatible with IATF

Features

- Slim design: 1.55mm height, 13.95mm width, and 15.60mm depth
- Easy-to-operate hinge mechanism allows access from above connector
- Good EMI performance with 5 grounded hold-down points
- Lock structure that prevents opening of the cover if the device is dropped
- Supports automated mounting --- supplied in embossed tape

General Specifications

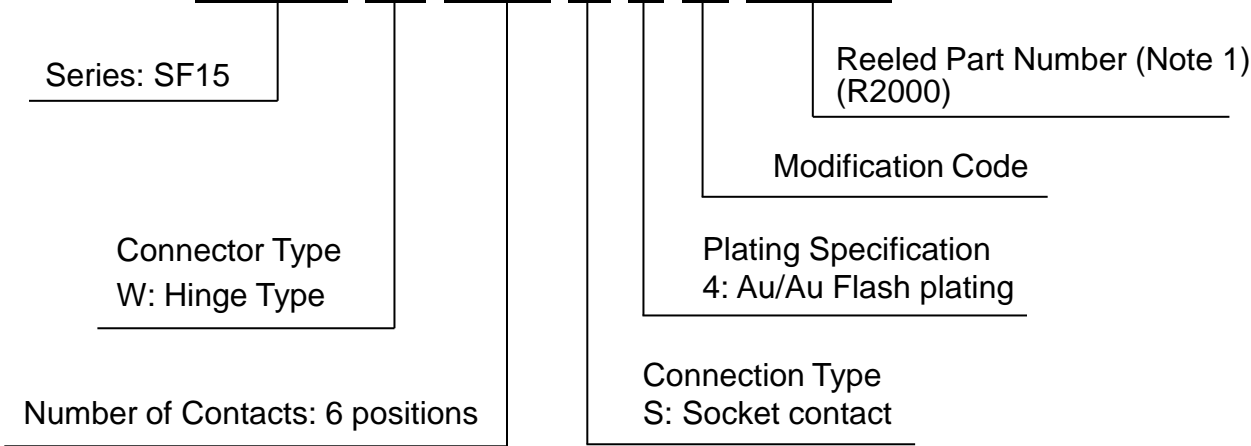
Number of Contacts	6 positions
Contact Resistance	100mΩ max.(initial)
Dielectric Withstanding Voltage	AC 500Vr.m.s. (per minute)
Insulation Resistance	1,000MΩ min.(initial)
Durability	1,500 times
Operating Temperature Range	-30 deg. C to +85 deg. C (General Item) -40 deg. C to +125 deg. C (Automotive spec tested product)
Rated Current	0.5A Max.
Rated Voltage	10V Max.

Materials and Finishes

Component	Materials	Finishes
Signal Contact	Copper alloy	Au plating over Ni (contact area) Au flash plating over Ni (terminal area)
Housing	Synthetic resin	---
Cover	Stainless steel	---
Ground Frame	Copper alloy	Au flash plating over Ni (terminal area only)

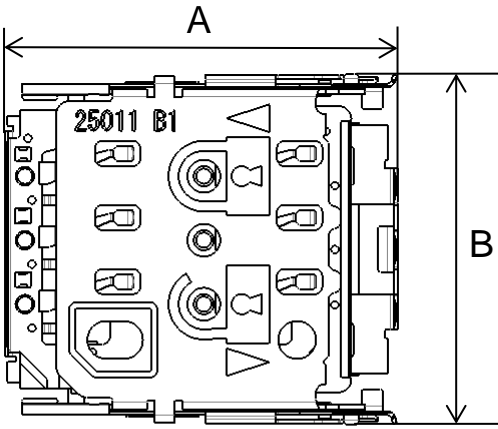
Ordering Information

SF15 W 006 S 4 B R****



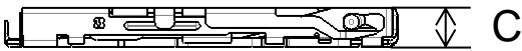
Note 1) An embossed tape reel contains 2,000 pieces
Please contact us for details on embossed tape specifications.

Outer Dimensions



Unit: mm

Part Number	A	B	C
SF15W006S4B	15.60	13.95	1.55



Part Numbers and Product Drawings

Part Number	Drawing Number	Specifications	Handling Instructions
SF15W006S4BR2000	SJ113074 (Individual Product)	JACS-10936 (General Item)	JABL-10936
	SJ113075 (Reeled Product)	JACS-11520 (Automotive spec tested product)	

- Notice:**
1. The values specified in this brochure are only for reference. The products and their specifications are subject to change without notice. Contact our sales staff for further information before considering or ordering any of our products.
For purchase, a product specification must be agreed upon.
2. Users are requested to provide protection circuits and redundancy circuits to ensure safety of the equipment, and sufficiently review the suitability of JAE's products to the equipment.
3. The products presented in this brochure are designed for the uses recommended below.
We strongly suggest you contact our sales staff when considering use of any of the products in any other way than the recommended applications or for a specific use that requires an extremely high reliability.
- (1) Applications that require consultation:
- (i) Please contact us if you are considering use involving a quality assurance program that you specify or that is peculiar to the industry, such as:
Automotive electrical components, train control, telecommunications devices (mainline), traffic light control, electric power, combustion control, fire prevention or security systems, disaster prevention equipment, etc.
- (ii) We may separately give you our support with a quality assurance program that you specify, when you think of a use such as :
Aviation or space equipment, submarine repeaters, nuclear power control systems, medical equipment for life support, etc.
- (2) Recommended applications include:
Computers, office appliances, telecommunications devices (terminals, mobile units), measuring equipment, audiovisual equipment, home electric appliances, factory automation equipment, etc.

Japan Aviation Electronics Industry, Limited