

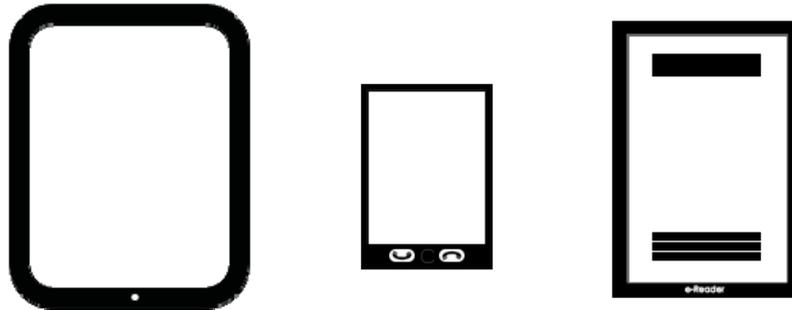
SF56 Series

Push-Push Type Micro SIM Card Connector

Connector Training Module

Application Examples

- Mobile/ Smartphone
- Tablets
- E-Readers
- Various devices that use Micro SIM cards



SF56 Series Overview

The SF56 series is a push-push type connector that is compatible with micro SIM cards. It has been designed for the growing demand of Micro SIM (Mini UICC) cards that are equipped with smartphones and tablets. It is the industry's lowest-profile, push-push type connector.



SF56 Series Features

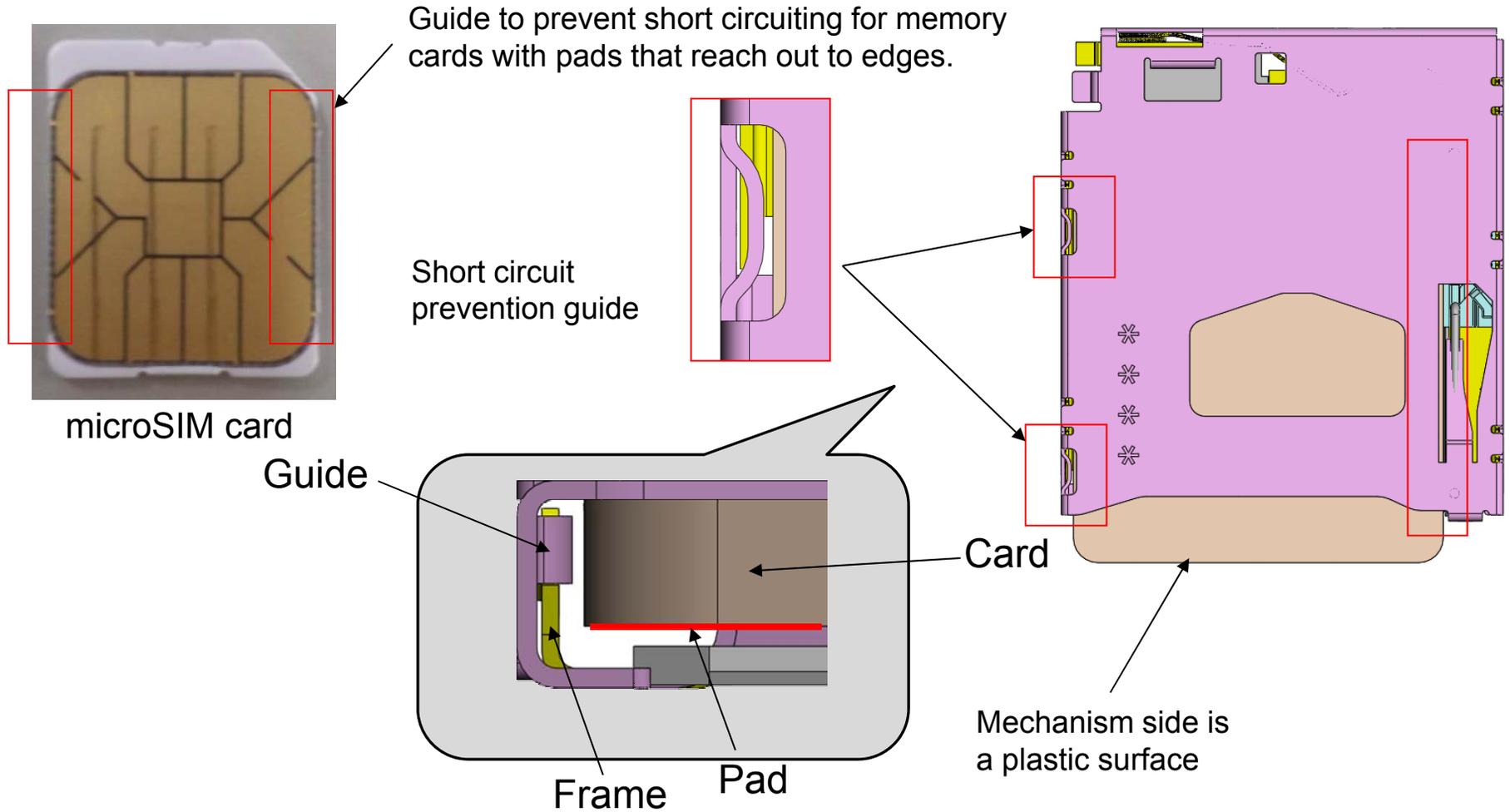
Low Profile, Saves Space

- The industry's lowest-profile, space saving push-push type connector
- Measuring at 16L x 14.4W x 1.25H (mm)
- Designed to save space when mounting
- Designed for easy operation with a card ejection stroke of 4.1mm
- Card detection switch to detect complete insertion of card
- Design prevents reverse card insertion
- Design allows for visual check/repair of the terminals after the SMT mounting process
- Four hold-down points on cover for good EMI performance
- Guide to prevent short circuiting of contacts on card to cover
- Pb-free, halogen-free compliant product
- Supports automated mounting with embossed tape packaging

***SIM stands for Subscriber Identity Module**

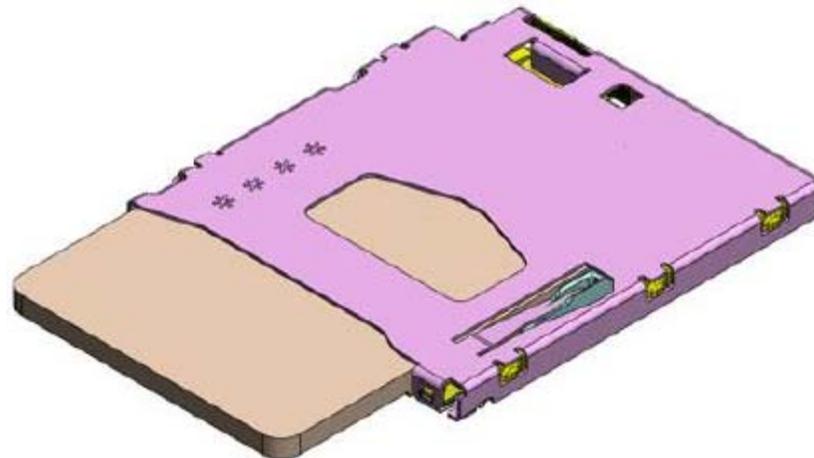
SF56 Series Features

Guide to Prevent Short Circuiting

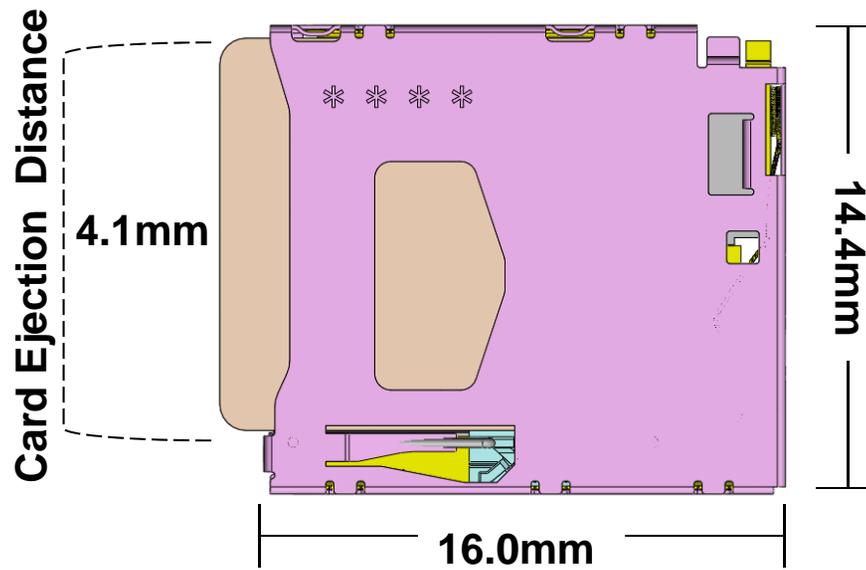


General Specifications

No. of Contacts	6 pos
Dimensions (mm)*1	16.0L x 14.4W x 1.25H
Contact resistance	100m Ω max.
Dielectric Withstanding Voltage	AC 500 V.r.m.s. per minute
Operating Temperature Range	-25 to + 85 °C
Rated Current	0.5A / per pin
Rated Voltage	10V / per pin
Mating Durability	5,000 times

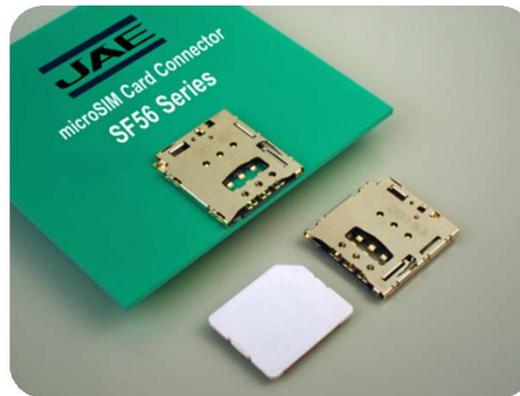


Basic Dimensions



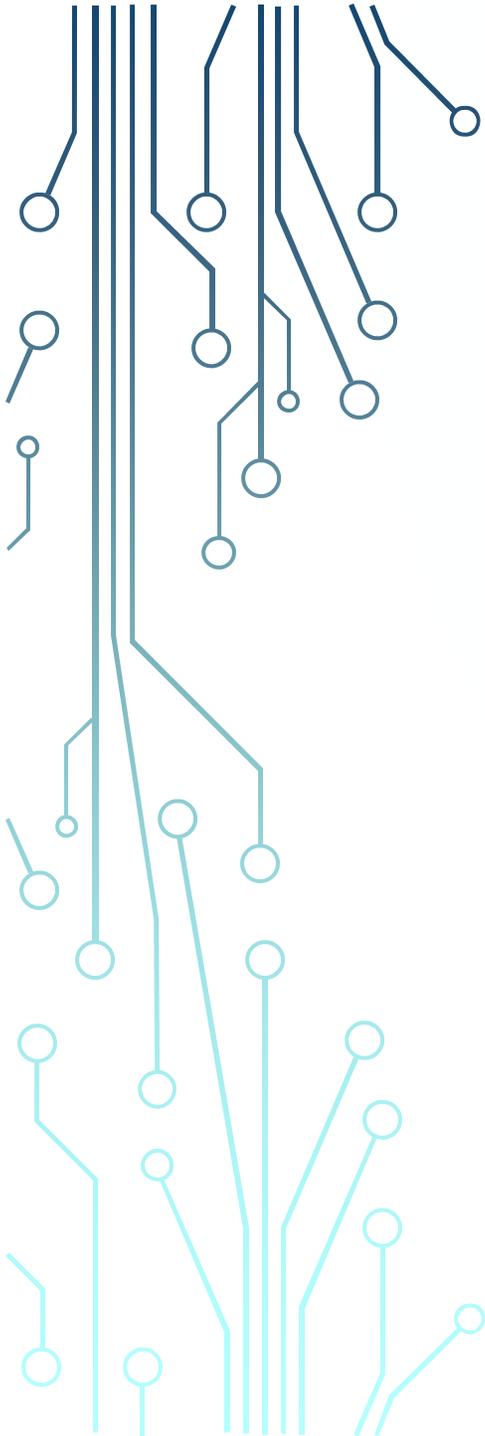
Materials and Finishes

Component	Material / Finish
Signal Contact Detection-SW Contact	Copper Alloy / Au plating over Ni 0.5 μ m min. (contact area) Copper Alloy / Au flash plating over Ni (terminal area)
Housing	Synthetic Resin / None
Cover Frame	Stainless Steel / Terminal area: Au flash plating over Ni
Eject Bar	Synthetic Resin / None
Spring	Stainless Steel / None
Cam Follower	Stainless Steel / None



Summary

- A push-push type connector that is compatible with micro SIM cards.
- The industry's lowest-profile, space saving push-push type connector
- Designed to save space when mounting
- Has a design that prevents reverse card insertion
- Four hold-down points on cover for good EMI performance
- Guide to prevent short circuiting of contacts on card to cover.
- Lead-free, halogen-free compliant product



Technology to Inspire Innovation

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