

# Connector for W-SIM

SCZA Series



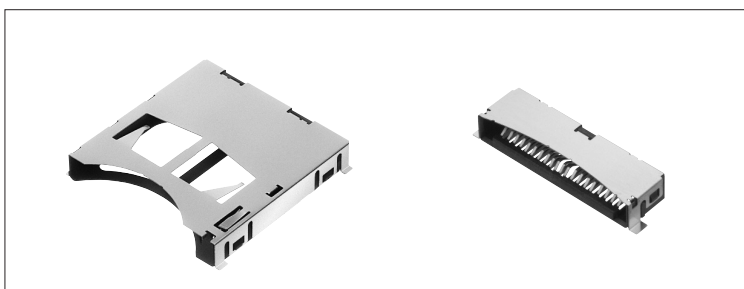
High reliability contact structure best fit for portable devices.

For SD Memory Card

For microSD™ Card

For SIM Card 8pins

For Memory Stick Micro™



Combine Type

For W-SIM

## Typical Specifications

Items		Specifications
Structure	Applicable media	W-SIM
	Mounting type	Surface mounting type
	Mounting style	Standard mount
	Media ejection structure	Push-push type, Manual insertion/removal
Performance	Operating temperature range	-20°C to +60°C
	Voltage proof	500V AC 1minute
	Insulation resistance (Initial)	1,000MΩ min.
	Contact resistance (Initial)	100mΩ max.
	Insertion and removal cycle	10,000cycles

## Product Line

Media ejection structure	Mounting system	Features	Stand-off (mm)	Packing system	Product No.	Drawing No.
Push-push type	Standard mount	Without boss Footed Frame - Surface mount type	0	Tray	SCZA1A0100	1
		With boss Footed Frame - Surface mount type			SCZA1A0200	2
		Without boss, Footed Frame type with Length of 0.6mm			SCZA1A0300	3
		With boss, Footed Frame type with Length of 0.6mm			SCZA1A0400	4
		Without boss, Footed Frame type with Length of 1.2mm			SCZA1A0500	5
		With boss, Footed Frame type with Length of 1.2mm			SCZA1A0600	6
Manual insertion/removal		With boss Footed Frame - Surface mount type			SCZA2A0100	7
		Without boss, Footed Frame type with Length of 0.6mm			SCZA2A0200	8

## Packing Specifications

Product No.	Number of packages (pcs.)		Export package measurements (mm)
	1 case /Japan	1 case /export packing	
SCZA1A0100	350	1,400	482 × 336 × 237
SCZA1A0200			
SCZA1A0300			
SCZA1A0400			
SCZA1A0500			
SCZA1A0600			
SCZA2A0100	750	3,000	
SCZA2A0200			

Dimensions

Unit:mm

No.	Style	PC board mounting hole dimensions (Viewed from the mounting face side)
1	<p><b>Push-push type Without boss Footed Frame - Surface mount type</b></p>	
2	<p><b>Push-push type With boss Footed Frame - Surface mount type</b></p>	

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Dimensions

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No.	Style	PC board mounting hole dimensions (Viewed from the mounting face side)
3	<p><b>Push-push type Without boss, Footed Frame type with Length of 0.6mm</b></p>	
4	<p><b>Push-push type With boss, Footed Frame type with Length of 0.6mm</b></p>	



Dimensions


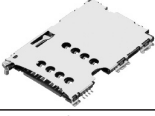



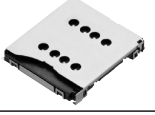


Unit:mm

- For SD Memory Card
- For microSD™ Card
- For SIM Card 8pins
- For Memory Stick Micro™
- Combine Type

For W-SIM

No.	Style	PC board mounting hole dimensions (Viewed from the mounting face side)
7	<p><b>Manual insertion/removal With boss Footed Frame - Surface mount type</b></p>	
8	<p><b>Manual insertion/removal Without boss, Footed Frame type with Length of 0.6mm</b></p>	

## List of Varieties

Applicable media	Product No.	Photo	Media ejection structure	Mounting style	Features	Stand-off (mm)	Auto motive use	Page			
SIM Card 8pins	SCGC1B0101		Push-push type	Standard mount	With switch	0	○	541			
	SCGC1B0301				With Automatic Locking Cam						
Memory Stick Micro™	SCNA1A0300				Without boss		543				
Combine Type	SD Memory Card Multi-Media Card™ Memory Stick™	SCDB3A0202		Reverse mount	With boss		0	—	545		
		SCDB4A0101									
	SD Memory Card Multi-Media Card™ Multi-Media Card Plus™ Memory Stick™ xD-Picture Card™	SCDG1A0101		Standard mount						547	
		SCDG2A0101		Reverse mount							
	SD Memory Card Multi-Media Card™ Memory Stick™ xD-Picture Card™	SCDG4B0100								Thin with a Thickness of 4.2mm	549
	microSD™ Card	SCHG1B0100								Push-push type Manual insertion/removal	microSD™ Card right insertion type
SIM Card 8pins											
W-SIM	SCZA1A0100		Push-push type	Standard mount	Without boss L type	553					
	SCZA1A0200				With boss L type						
	SCZA1A0300				Without boss 0.6mm type						
	SCZA1A0400				With boss 0.6mm type						
	SCZA1A0500				Without boss 1.2mm type						
	SCZA1A0600	With boss 1.2mm type									
	SCZA2A0100		Manual insertion/removal	With boss L type							
SCZA2A0200	Without boss 0.6mm type										

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**Note**

○marks in "Available for automotive use" indicate that some of the series products can work at the operating temperature range from -40°C to +85°C.

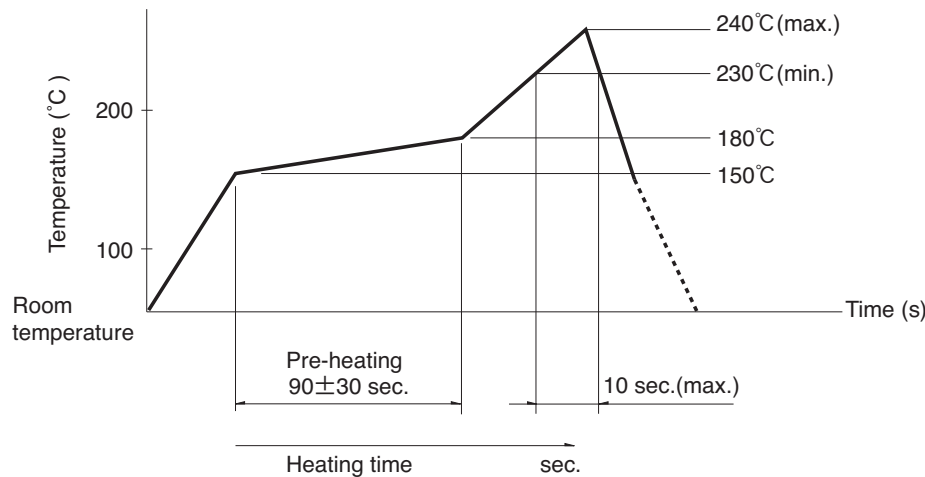
**Note**

Please place purchase orders per minimum order unit N (integer).

## Soldering Conditions

### Example of Reflow Soldering Condition (Reference)

1. Heating method: Double heating method with infrared heater.
2. Temperature measurement: Thermocouple 0.1 to 0.2  $\phi$  CA (K) or CC (T) at soldering portion.
3. Temperature profile



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Please refer to each product's specification sheet to confirm temperature profile.

## Cautions for using this product

### 1.Connector handling precautions

- (1) Safeguard the connector assembly against flux penetration from its top side.
- (2) This product is designed on the assumption that they will not be washed after soldering.

If you wash it, it may cause deterioration of mechanically and electrically.

If washing is necessary, please make contact with us beforehand.

### 2.When soldering terminals, there is a danger that load placed on the terminals may cause rattle, deformation or electrical degradation to occur depending on the conditions.

Caution is therefore required.

### 3.When soldering, do not use water soluble flux because this may corrode the product.

### 4.regarding the setting of reflow conditions, please confirm them with the actual mass production conditions.

### 5.As P.W.B. warping may alter characteristics, please take this into consideration when designing pattern and layout.

### 6.Please do not solder at the ejector pushing position.

### 7.To prevent contact disturbance by the sulfuration or oxidation of the contact and terminal, and deterioration of solder ability by thin film on the terminal, please note following.

- Storage in the atmosphere of high temperature at 60 degrees or more, high humidity, corrosive gases such as sulfur or chlorine gas, and excessive piling up of the carton boxes shall be avoided.
- Connectors shall be stored as the package not opened and in the normal temperature and normal humidity, and the connectors shall be used preferably within 3 months, at least within 6 months.
- When the connectors are stored after opening the package, the connectors shall be sealed with a polyethylene bag etc. and stored in dark and cool place, avoiding direct sunlight. Bag etc. and stored in dark and cool place, avoiding direct sunlight. The connectors shall be used as soon as possible.

### 8.Don't push or hold down the metal cover of the connector, otherwise there is a possibility that the card would not be ejected or influences to other function.

### 9.Please attention following items to prevent connector from miss operation, such as bounding caused by ON/OFF switching and chattering by vibration.

- Repeated reading/writing.
- Establish delay time-recommended 400msec min.
- Establish CR accumulation circuit.

### 10.This product does not operate normally when the card which does not conform to the specification is used occasionally.