

# SD Card Adapter (for microSD™ Card)

SCHH Series



High contact reliability and locking mechanism work effectively to prevent unintentional ejection of cards.

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	microSD™ Card
	Mounting type	_____
	Mounting style	_____
	Media ejection structure	Manual insertion/removal
Performance	Operating temperature range	-25°C to +85°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	Packing system	Product No.
Manual insertion/removal	Bulk	SCHH1D0100

## Packing Specifications

### Bulk

Number of packages (pcs.)		Export package measurements (mm)
1 case /Japan	1 case /export packing	
780	3,120	550 × 375 × 223

### Note

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

For  
SD Memory  
Card

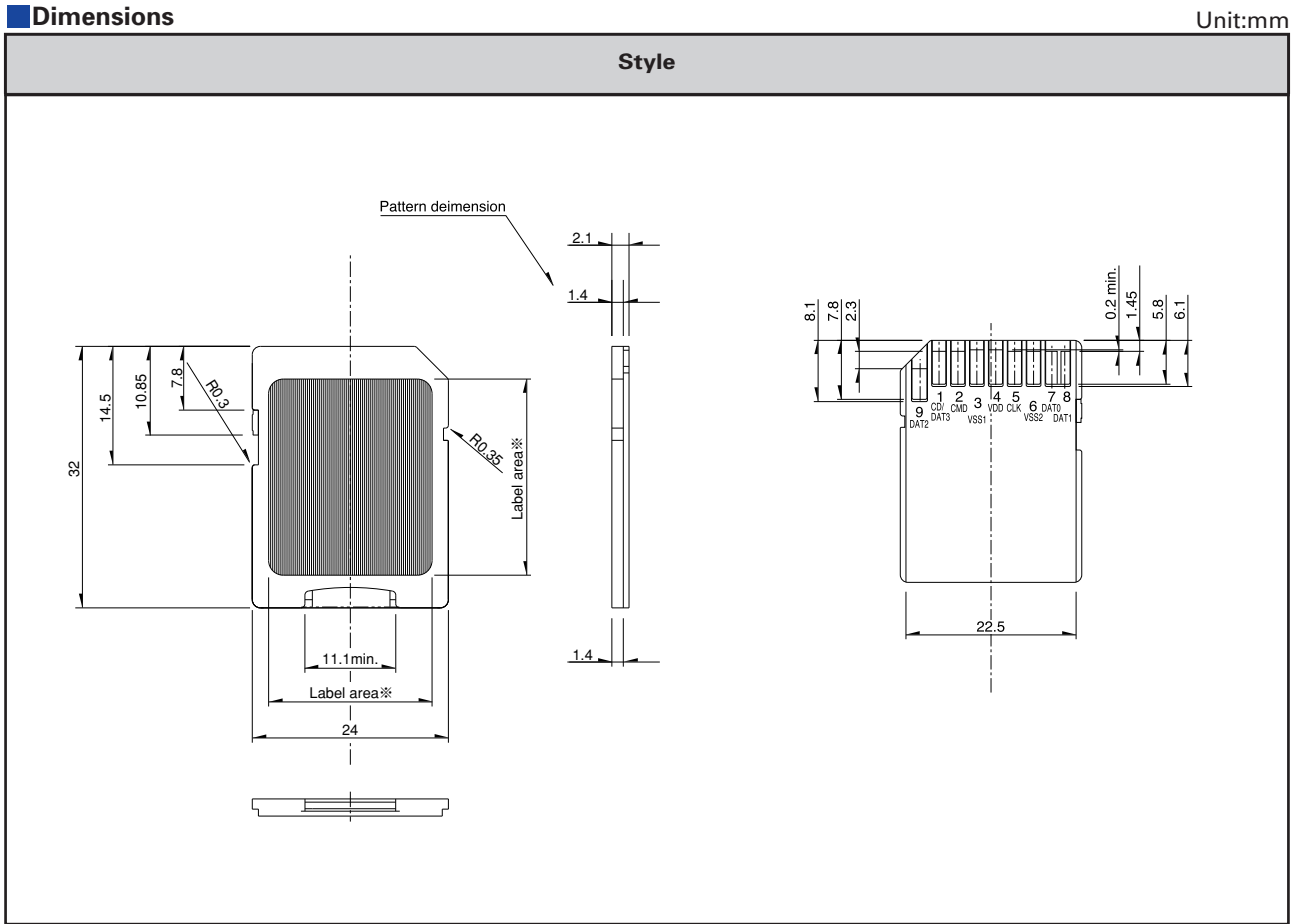
For  
microSD™  
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For  
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8pins

For  
Memory  
Stick Micro™

Combine Type

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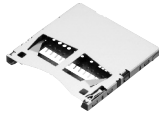





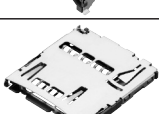
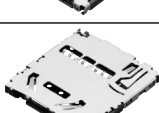
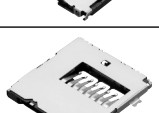
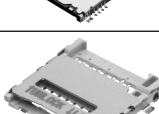
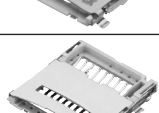


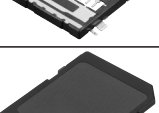

**Note**

※ Above dimensions apply when a microSD™ card is fully inserted into the adapter case.  
Label indications will be customized independently. Samples will be delivered without a label.

**Cautions for using this product**

1. This product has been designed and manufactured for use in ordinary electronic equipment, such as AV equipment, electric home appliances, office machines and communication equipment. In case of using the products for highly sensitive applications such as medical, aviation, aerospace and security, the set makers shall require to include measures necessary to meet product safety requirements of such specific applications. Such measure may include additional protection circuits and redundant circuits, for example.
2. To prevent contact failures caused by sulfuration or oxidation on the contact and terminal or deterioration of solderability caused by film forming, please follow the instructions given below.
  - (1) Do not store the product in locations with high temperature or high humidity. Keep it in an atmosphere free from corrosive gases including sulphurous or chlorinate gas. Do not stack.
  - (2) Store the adapter unopened at room temperature and Low humidity. Use the product preferably within 3 months after delivery or within 6 months at the latest.
  - (3) To store the product after opening the package, keep it in a sealed polyethylene bag. Store in a dark, cool place, out of direct sunlight. Use the product as soon as possible.

## List of Varieties

Applicable media	Product No.	Photo	Media ejection structure	Mounting style	Features	Stand-off (mm)	Auto motive use	Page
For SD Memory Card For microSD™ Card For SIM Card 8pins For Memory Stick Micro™ Combine Type For W-SIM	SCDA9A0400		Push-push type	Standard mount	Inner tail Card eject stroke 5mm	0	—	527
	SCDA8A0201				Inner tail Card eject stroke 8mm		○	
	SCDA7A0101				Card eject stroke 8mm	1.5		
	SCDA7A0200			1.8				
	SCDA7A1201			Reverse mount	Outer tail	0	—	
	SCDAAA0100					1.8		
	SCDAAA0601			Manual insertion/removal	Standard mount	With switch	0	
SCHA4B0100		With switches and fly-out protection.	—					
SCHA4B0400		With switch	○					
SCHA5B0200		Hinge cover type Without switch	0			—	○	535
SCHB1A0205								
SCHB1B0100		Hinge cover type With switch	Standard mount			Header type	—	537
SCHD1A0101								
SCHD3A0100								
SCHH1D0100		—	Adapter	—	—	539		

### 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.

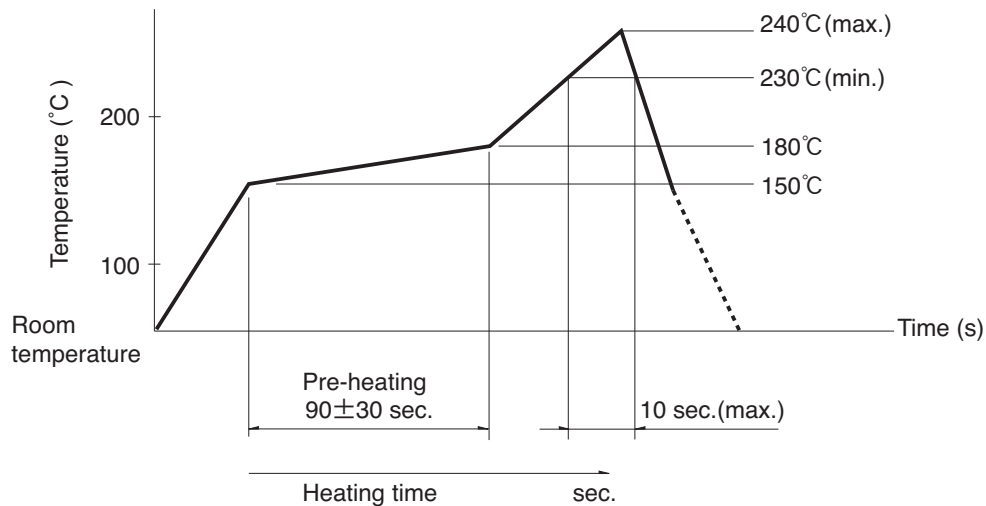
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## Soldering Conditions

### 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



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.

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