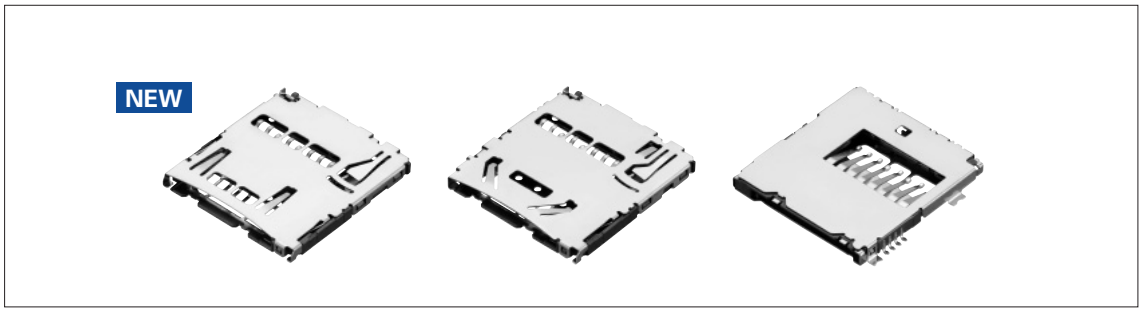
Connector for microSD™ Card (Push-push Type)

SCHA Series

RoHS compliant

Compact low-profile type most suitable for mobile phones.



Typical Specifications

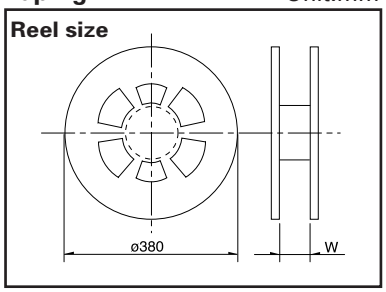
Items			Specifications
Structure	Applicable media		microSD™ Card
	Mounting type		Surface mounting type
	Mounting style		Standard mount/ Reverse mount
	Media ejection structure		Push-push type
Performance	Operating temperature range		−20℃ to +70℃
	Voltage proof		500V AC 1minute
	Insulation resistance (Initial)		1,000MΩ min.
	Contact resistance (Initial)	Connector contacts	100mΩ max.
		Detection switch	500mΩ max.
	Insertion and removal cycle		5,000cycles

Product Line

Media ejection structure	Mounting system	Features	Stand-off (mm)	Packing system	Product No.	Drawing No.
Push-push type	Standard mount	With switch	0	Taping	SCHA4B0100	1
		With switches and fly-out protection.			SCHA4B0400	2
	Reverse mount	With switch			SCHA5B0200	3

Packing Specifications

Taping Unit:mm

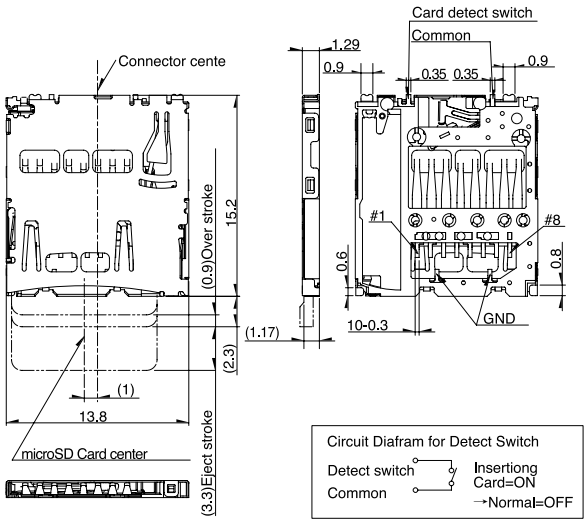
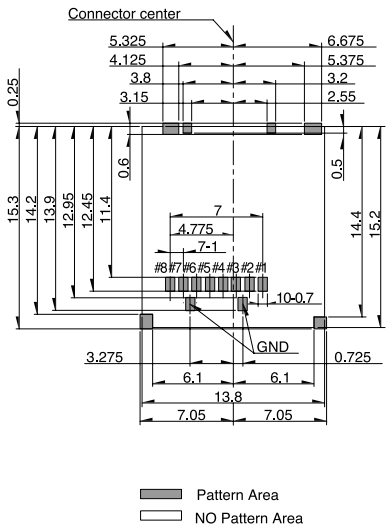
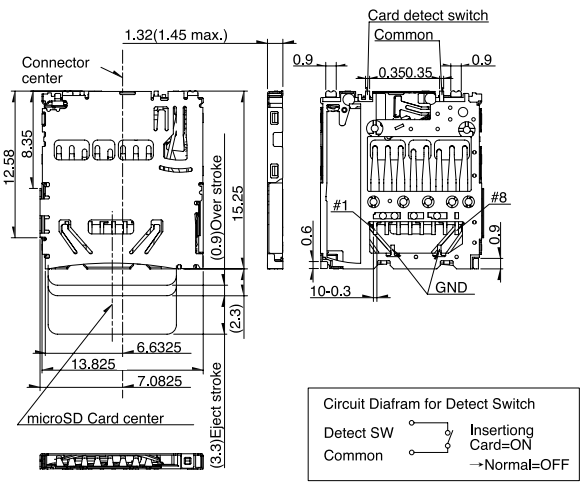
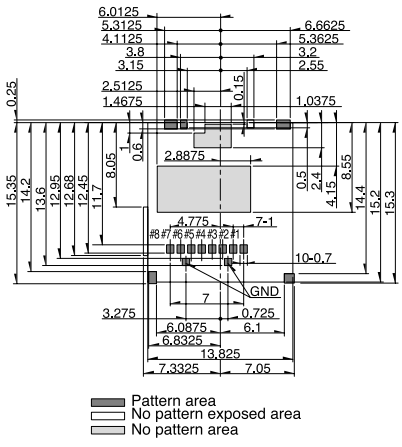


Product No.	Number of packages (pcs.)			Reel width W (mm)	Tape width (mm)	Export package measurements (mm)
	1 reel	1 case /Japan	1 case /export packing			
SCHA4B0100	2,000	6,000	12,000	24.4	24	403×403×249
SCHA4B0400						
SCHA5B0200	1,500	4,500	9,000			

Dimensions

Standard mount

Unit:mm

No.	Style	PC board mounting hole dimensions (Viewed from the mounting face side)
1	**With switch**  Pin assignments	
2	**With switches and fly-out protection.**  Pin assignments	

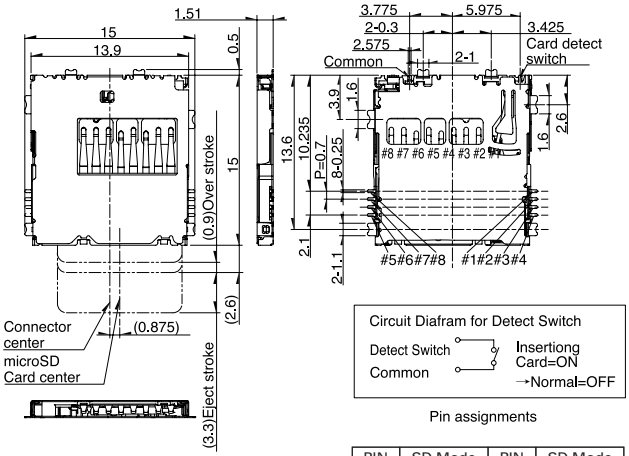
PIN	SD Mode	PIN	SD Mode
#1	DAT2	#5	CLK
#2	DAT3/CD	#6	V_{SS}
#3	CMD	#7	DAT0
#4	V_{DD}	#8	DAT1

Dimensions

Reverse mount

Unit:mm

No.	Style	PC board mounting hole dimensions (Viewed from the mounting face side)
3	**Slim type with switch**	



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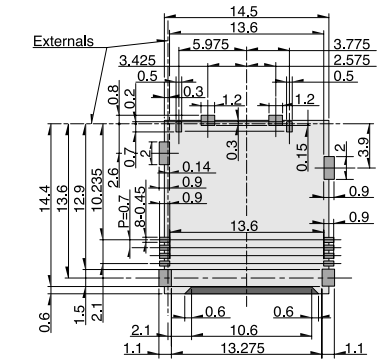
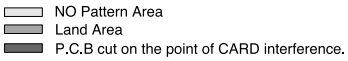
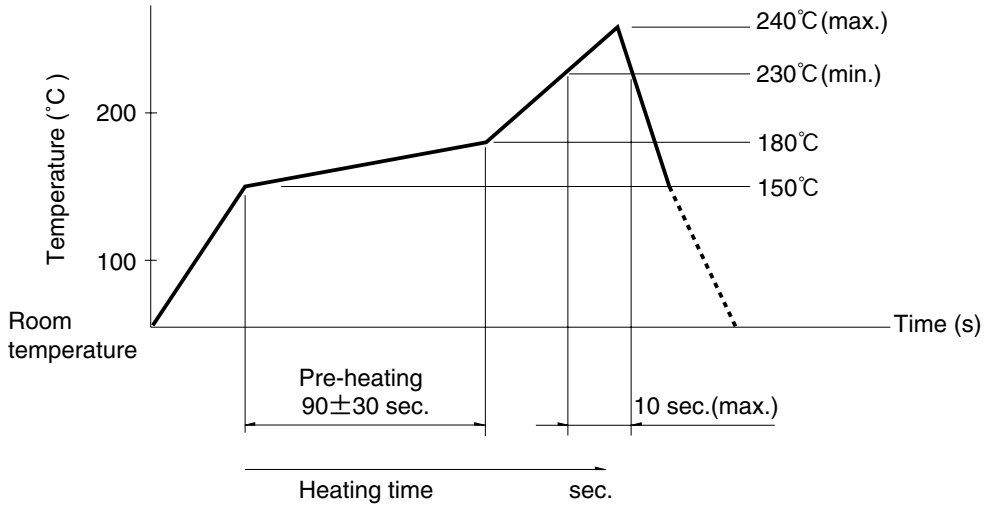




Soldering Conditions

Example of Reflow Soldering Condition (Reference)

1. Heating method: Double heating method with infrared heater.
2. Temperature measurement: Thermocouple 0.1 to 0.2 ϕ CA (K) or CC (T).
3. Temperature profile (Surface of products).



Cautions for using this product

1. 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.
2. Avoid use of water-soluble soldering flux, since it may corrode the product.
3. Check and conform to reflow soldering requirements under actual mass production conditions.
4. PC board warping may alter the characteristics. Please take this into consideration when designing patterns and layout.
5. The card specifications are provided by the above manufactures. Products by other manufactures may not be compliant with these specifications and are subject to change without prior notice.

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ALPS:

SCHA4B0400 SCHA5B0200 SCHA1B0100 SCHA4B0100 SCHA1A0101 SCHA2B0300