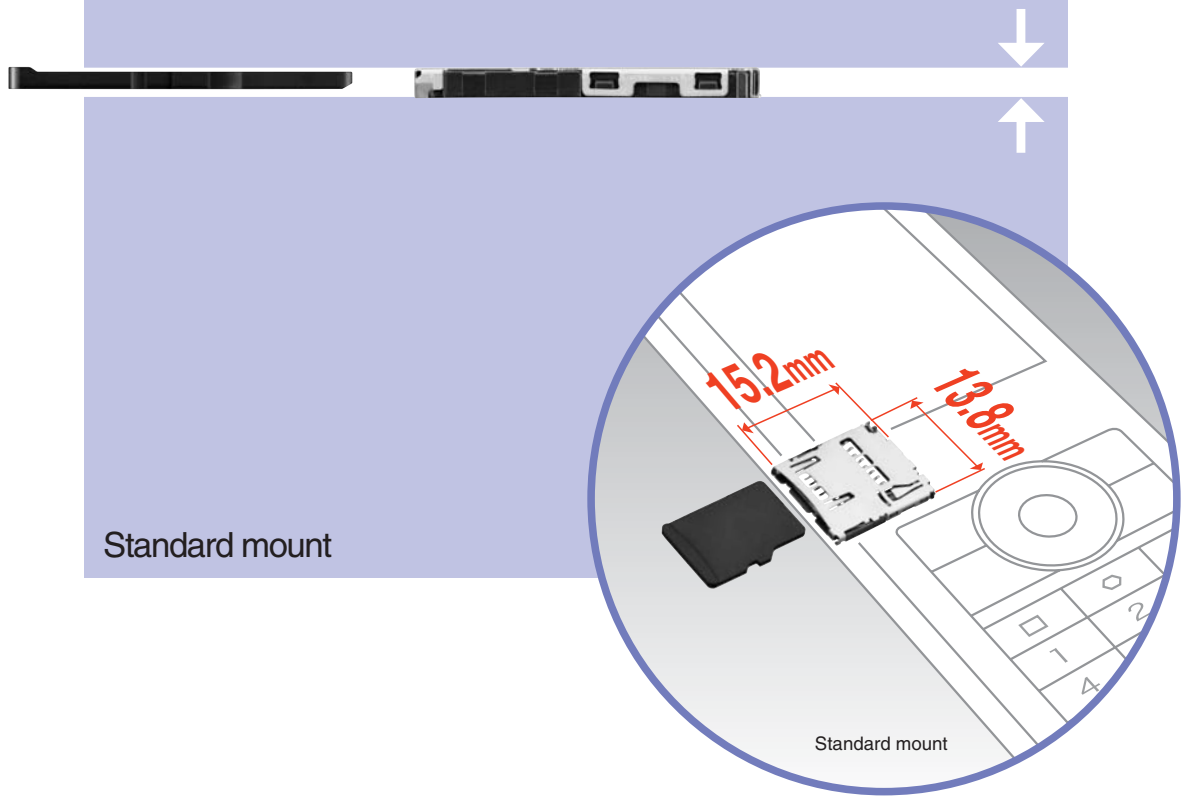


Connector for microSD™ Card (Low-profile Type)

NEW
2009

SCHA4B Series SCHA5B Series

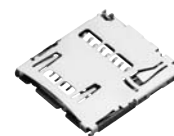
Thin like the card
thick **1.29mm**



Our unique molding technology realizes a thinner body contributing to smaller, thinner, and lighter mobile phones.

- Realized industry's thinnest level (※) of 1.29mm (standard mount type), and 1.51mm thickness (reverse mount type).
- Card ejection stroke of 3.3mm in highly-operational push-push type.
- With card detection switch (highly-reliable sliding contact structure).
- With structure to prevent false card insertion.

※According to Alps Electric as of July 2009.



Standard mount

SCHA4B Series



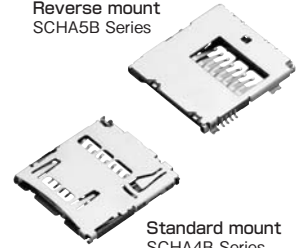
Reverse mount

SCHA5B Series

Connector for microSD™ Card (Low-profile Type)

SCHA4B Series SCHA5B Series

Reverse mount
SCHA5B Series



Standard mount
SCHA4B Series

Our unique molding technology realizes a thinner body contributing to smaller, thinner, and lighter mobile phones.

Applications

For mobile phones, mobile information terminals, compact audio equipment, etc.

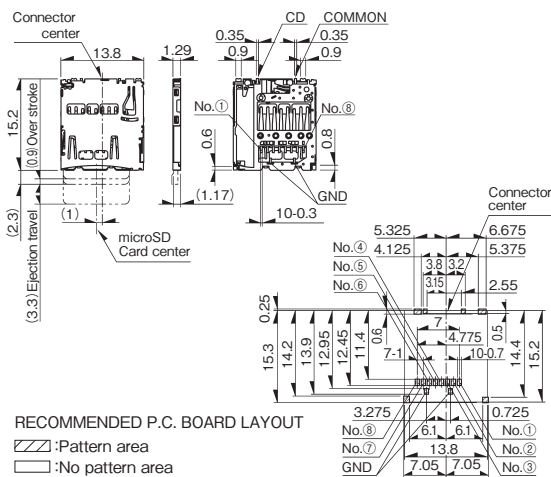
Typical Specifications

Structure	Specifications	
Part number	SCHA4B	SCHA5B
Dimensions (W×D×H)	13.8×15.2×1.29mm	13.9×15.0×1.51mm
Mounting style	Standard mount	Reverse mount
Applicable media	microSD™ Card	
Mounting type	Surface mounting type	
Media ejection structure	Push-push type	

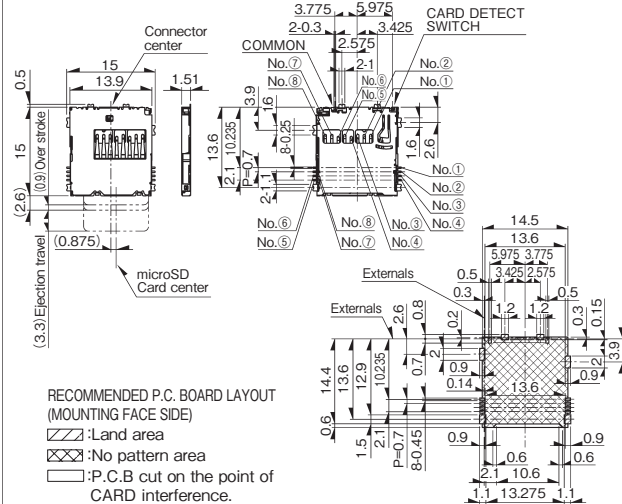
Performance	Specifications
Contact resistance(Initial)	-20°C to +70°C
Voltage proof	250V AC 1minute
Insulation resistance(Initial)	1,000MΩ min.
Contact resistance(Initial)	100mΩ max. 500mΩ max. (Detection switch)
Insertion and removal cycle	10,000cycles

Dimensions

SCHA4B Series (Standard mount)



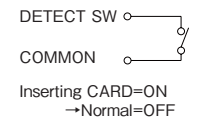
SCHA5B Series (Reverse mount)



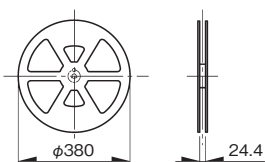
Unit:mm

Pin Assignments	
PIN	SD Mode
No.①	DAT2
No.②	DAT3/CD
No.③	CMD
No.④	VDD
No.⑤	CLK
No.⑥	VSS
No.⑦	DATO
No.⑧	DAT1

Circuit Diagram for Detect Switch



Specification of Embossed Taping Package (Taping Packaging for Auto-insertion)



Unit:mm

	Number of packages (pcs.)			Tape width (mm)
	1 reel	1 case/Japan	1 case/export packing	
SCHA4B	2,000	6,000	12,000	24
SCHA5B	1,500	4,500	9,000	

Precautions when handling our products

- For the export of products which are controlled items subject to foreign and domestic export laws and regulations, you must obtain approval and/or follow the formalities of such laws and regulations.
- Products must not be used for military and/or antisocial purposes such as terrorism, and shall not be supplied to any party intending to use the products for such purposes.
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- Before using products which were not specifically designed for use in automotive applications, please contact an Alps sales representative.

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- The contents of this catalog are according to Alps Electric as of July 2009.
- This catalog is valid until the end of December 2009.

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