

# ALPS Small Memory Card Connectors



This product is RoHS compliant.

# ALPS

## ALPS CONNECTORS FOR SD MEMORY CARDS

### Features:

- Media half-lock structure stops media from flying out during ejection, preventing the dropping and loss of media.
- Media detection switch adopts a highly reliable structure where the contact slides at ON/OFF to ensure detection of media insertion timing.
- Also compatible to MultiMediaCard™
- Compact size and low-profile.



### Specifications:

- Mating/unmating cycles: 10,000 cycles
- Operating temperature range: -25 to +60°C
- Voltage proof: 100V AC 1 minute/500V AC 1 minute (SCDA3)
- Insulation resistance (Initial): 1,000M  $\Omega$  min.
- Contact resistance (Initial): Connector contacts 100m  $\Omega$  max.

### Applications:

- For digital cameras, digital camcorders, mobile phones, PCs and personal digital assistants
- For home audio equipment (TVs, set top boxes, etc.)
- For stereo systems
- For portable memory players

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Stand-off (mm)	Mounting System	Features	Packaging Type	Price Each			
							1	25	50	100
688-SCDA3A0102	SCDA3A0102	A	0	Standard	Inner tail, without frame legs	Taping	1.77	1.48	1.33	1.18
688-SCDA3A0202	SCDA3A0202	A	0	Standard	Inner tail, with frame legs	Taping	2.05	1.95	1.84	1.75
688-SCDA3B0201	SCDA3B0201	A	0	Standard	Inner tail, with shutter	Tray	2.30	2.06	1.96	1.84
688-SCDA4A0200	SCDA4A0200	A	0	Standard	Slim type, with boss	Taping	1.77	1.48	1.33	1.18
688-SCDA4A0301	SCDA4A0301	A	0	Standard	Slim type, without boss	Taping	1.77	1.48	1.33	1.18
688-SCDA4A0400	SCDA4A0400	A	1.8	Standard	Slim type	Taping	1.77	1.48	1.33	1.18
688-SCDA3C0102	SCDA3C0102	A	0	Standard	Header type	Taping	1.75	1.46	1.31	1.16
688-SCDA5A0201	SCDA5A0201	A	1.8	Reverse mount	Slim type	Tray	1.08	1.03	1.00	.97
688-SCDA6A0101	SCDA6A0101	A	0	Reverse mount	Slim type	Taping	1.77	1.48	1.33	1.18
688-SCDA3B0201	SCDA3B0201	A	0	Standard	with Shutter (inner tail type)	Taping	2.30	2.06	1.96	1.84

## ALPS CONNECTORS AND ADAPTERS FOR miniSD™ CARDS

### Features:

- The miniSD™ Saves 40% of pcb area and 60% of volume required by SD cards
- Highly shock-resistant robust guard lock.
- Adapter has metal frame within plastic body
- Internal media detection switch
- Half-lock structure keeps media from popping out on ejection
- Adapter allows a miniSD™ card to be used in an SD connector

miniSD is a trademark of San Disk

### Specifications:

- Mating/unmating cycles: 10,000 cycles
- Operating temperature range: Connector: -25 to +70°C
- Adapter: -25 to 85°C
- Connector has push-push type media ejection
- Adapter has header type media ejection
- Both connector and adapter are supplied in bulk
- Connector is also available on tape and reel.

### Applications:

- Mobile Phones
- Digital Cameras
- PDAs
- Personal Computers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Description	Price Each			
				1	25	50	100
688-SCJB1B0301	SCJB1B0301	B	Push-push, Surface Mount, miniSD Card Connector with switch	1.88	1.57	1.41	1.25
688-SCJB2B0201	SCJB2B0201	B	Push-push, Reverse Mount, miniSD Card Connector with switch	1.27	1.21	1.18	1.14
688-SCJC2A0200	SCJC2A0200	C	Manual insertion/removal miniSD Card Adapter	1.99	1.66	1.49	1.33
688-SCHF1A0100	SCHF1A0100	C	Manual insertion/removal miniSD Card Adapter for microSD connector	2.81	2.34	2.11	1.87
688-SCJC1A0100	SCJC1A0100	B	SD to miniSD adapter. For use in SD card connector	3.16	2.84	2.69	2.53

## ALPS CONNECTORS AND ADAPTERS FOR microSD CARDS

### Features:

- Improved quality
- Good operational feel



### Specifications:

- Surface type mounting
- Push-push type
- 500V AC 1 minute
- 5000 cycles

### Applications:

- Mobile phones
- PDAs
- Digital still cameras
- Compact audio equipment

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Description	Price Each			
				1	25	50	100
688-SCHA1A0101	SCHA1A0101	D	Push-push, Standard Mount, without switch	1.09	1.04	1.01	.98
688-SCHA1B0100	SCHA1B0100	D	Push-push, Standard Mount, with switch	1.27	1.21	1.18	1.14
688-SCHA2B0300	SCHA2B0300	D	Push-push, Reverse Mount, with switch	1.27	1.21	1.18	1.14
688-SCHB1A0201	SCHB1A0201	E	Manual insertion/removal, Surface mnt, Connector-hinge cover type	1.27	1.06	.95	.85
688-SCHC1A0200	SCHC1A0200	F	Manual insertion/removal, microSD Card Adapter	1.99	1.66	1.49	1.33
688-SCHD1A0101	SCHD1A0101	G	Manual insertion/removal, Surface mount, Connector-header type	1.27	1.06	.95	.85

## ALPS CONNECTORS FOR W-SIM CARDS

### Features:

- Improved operability from long ejection stroke (mm) and clear click feel.
- Good operational feel.
- Double contact-point for power and ground reduces risk of temporary power failure.
- Compact and low-profile suitable for portable devices.

### Specifications:

- Mating/unmating cycles: 10,000 cycles
- Operating temperature range: -25 to +60°C
- Voltage proof: 500V AC 1 minute
- Insulation resistance (Initial): 1,000M  $\Omega$  min.
- Contact resistance (Initial): 100m  $\Omega$  max.

### Applications:

- For mobile phones, PCs, and personal digital assistants.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Stand-off (mm)	Mounting System	Features	Packaging Type	Price Each			
							1	25	50	100
688-SCZA1A0100	SCZA1A0100	H	0	Standard mount	Without boss L type	Tray	2.89	2.75	2.67	2.60
688-SCZA1A0200	SCZA1A0200	H	0	Standard mount	With boss L type	Tray	4.34	3.61	3.25	2.89
688-SCZA1A0500	SCZA1A0500	H	0	Standard mount	Without boss 1.2mm type	Tray	4.34	3.61	3.25	2.89
688-SCZA1A0600	SCZA1A0600	H	0	Standard mount	With boss 1.2mm type	Tray	4.34	3.61	3.25	2.89
688-SCZA2A0100	SCZA2A0100	I	0	Standard mount	With boss L type	Tray	4.34	3.61	3.25	2.89
688-SCZA2A0200	SCZA2A0200	I	0	Standard mount	Without boss 0.6mm type	Tray	2.95	2.46	2.21	1.96

## ALPS CONNECTORS FOR MEMORY STICK CARDS

### Features:

- Long (10mm) stroke and clearly defined click for positive card insertion
- Increased reliability with anti-ESD construction.
- 4 solder lug terminals are a part of the enclosure for secure mounting to the PC board.

### Specifications:

- Operating temperature range: -20°C to +60°C
- Withstanding voltage: 500VAC
- Insulation resistance: 1000 MW minimum
- Push-push media ejection
- Mating/Unmating cycles: 12,000 cycles
- Bulk packaging

### Applications:

- Notebook PCs
- Desktop PCs
- PDAs
- Home audio/video equipment

Memory Stick is a trademark of Sony

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Stand-off (mm)	Mounting System	Features	Price Each			
						1	25	50	100
688-SCEC1B0100	SCEC1B0100	C	0	Standard	With boss, standard mouth	1.60	1.44	1.36	1.28
688-SCEC1F0100	SCEC1F0100	J	0	Standard	Without boss, standard mouth	1.60	1.44	1.36	1.28
688-SCEC1D0100	SCEC1D0100	K	0	Standard	With boss, with shutter	1.84	1.66	1.57	1.47
688-SCEC1B0200	SCEC1B0200	L	0	Standard	With boss, with square hole	1.66	1.50	1.41	1.32
688-SCEC1F0300	SCEC1F0300	M	0	Standard	Without boss, wide mouth	1.66	1.50	1.41	1.32
688-SCEC1F0400	SCEC1F0400	M	0	Standard	Without boss, flat mouth	1.66	1.50	1.41	1.32

