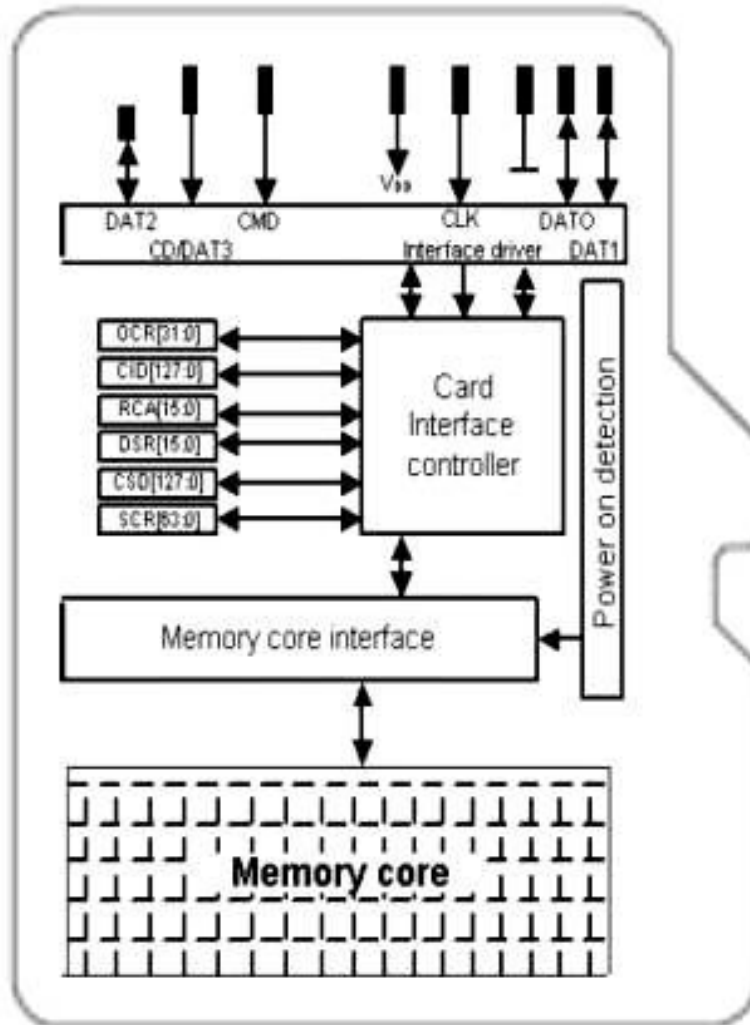# microSDHC Class 4 card series

Description

Smartphones, tablet PCs, ebook readers, hand-held game consoles and other devices usually have a limited amount of built-in storage. Transcend's microSDHC Class 4 cards are a cost-effective way to expand device memory capacity and store many times more movies, music, ebooks and app data.

Features

- Mechanical write protection switch on adapter
- Class 4 rating guarantees reliable write performance
- Meets the requirements of most mobile devices, including digital cameras, cell phones, and eBook readers
- Built-in Error Correcting Code (ECC) to detect and correct transfer errors
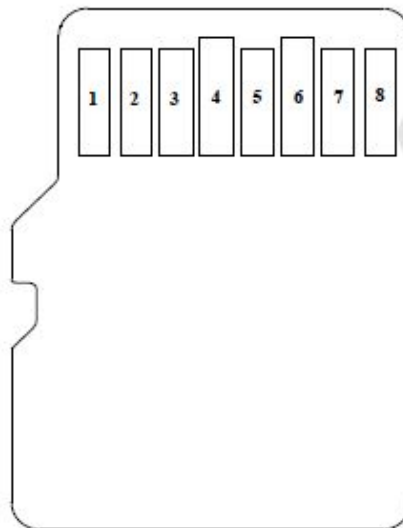- Exclusive RecoveRx photo recovery software

Architecture

Pin Definition

Pin No.	SD Mode		SPI Mode	
	Name	**Description**	**Name**	**Description**
1	DAT2	Data Line [Bit2]	RSV	Reserved
2	CD/DAT3	Card Detect / Data Line [Bit3]	CS	Chip Select
3	CMD	Command / Response	DI	Data In
4	V_{DD}	Supply voltage	V_{DD}	Supply voltage
5	CLK	Clock	SCLK	Clock
6	V_{SS}	Supply voltage ground	V_{SS}	Supply voltage ground
7	DAT0	Data Line [Bit0]	DO	Data out
8	DAT1	Data Line [Bit1]	RSV	Reserved

Specifications

Physical Specification		
Form Factor		microSD
Dimensions (mm)	**Length**	11.00 ± 0.1
	Width	15.00 ± 0.1
	Height	0.7 ± 0.1

Environmental Specifications	
Operating Temperature	-25 ℃ to 85 ℃
Storage Temperature	- 40 ℃ to 85 ℃
Durability	10.000 mating cycles;
Drop test	1.5m free fall
Regulator	CE/FCC/BSMI

The above technical information is based on industry standard data and has been tested to be reliable. However, Transcend makes no warranty, either expressed or implied, as to its accuracy and assumes no liability in connection with the use of this product. Transcend reserves the right to make changes to the specifications at any time without prior notice.

Order information

Capacity	Transcend Part Number
4GB	TS4GUSDC4
	TS4GUSDHC4*
8GB	TS8GUSDC4
	TS8GUSDHC4*
16GB	TS16GUSDC4
	TS16GUSDHC4*
32GB	TS32GUSDC4
	TS32GUSDHC4*

*with adapter

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good memories start here

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Revision History

Version	Date	Note
1.0	2016/04/19	The 1st edition

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