

TS-RDS5W

USB2.0 Portable Card Reader

Description

TS-RDS5W is a USB2.0 Portable SD/MMC Card Reader. It is a small and thin device specifically designed for fast, easy data transfer and exchange using multiple types of Memory Cards.

Features

- Color: White
- Fully Compliant with the Hi-Speed USB 2.0 specification
- Hi-Speed Data transfer rates of up to 480Mb/s
- USB powered (no external power or battery needed)
- LED indicates card insertion and data traffic
- Compatible Cards :

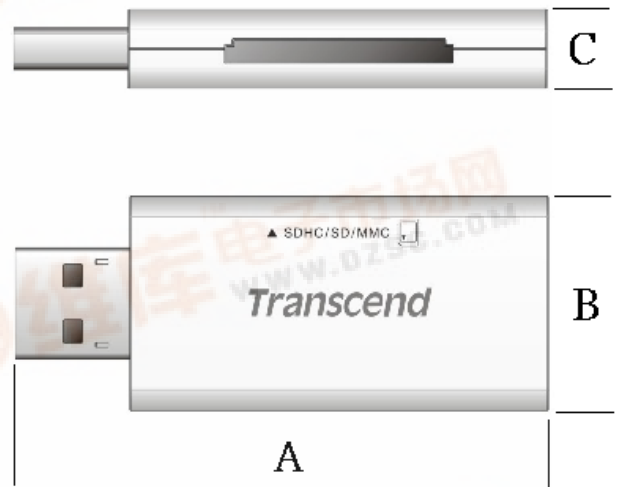
Directly:

- SD (Secure Digital)
- SDHC (Secure Digital High Capacity)
- MMC (MultiMediaCard)
- MMCplus
- MMCmobile
- RS-MMC

Adapter Required :

- miniSD
- miniSDHC
- microSDHC
- microSD / TransFlash
- MMCmicro

Placement



Dimensions

Side	Millimeters	Inches
A	57.90 ± 1.0	2.28 ± 0.04
B	23.20 ± 1.0	0.91 ± 0.04
C	7.60 ± 1.0	0.30 ± 0.04

System Requirements

- Desktop or notebook computer with a working USB port
- One of the following Operating Systems:
 - Windows® Me
 - Windows® 2000
 - Windows® XP
 - Windows Vista™
 - Mac™ OS 9.x, or later
 - Linux™ Kernel 2.4.2, or later

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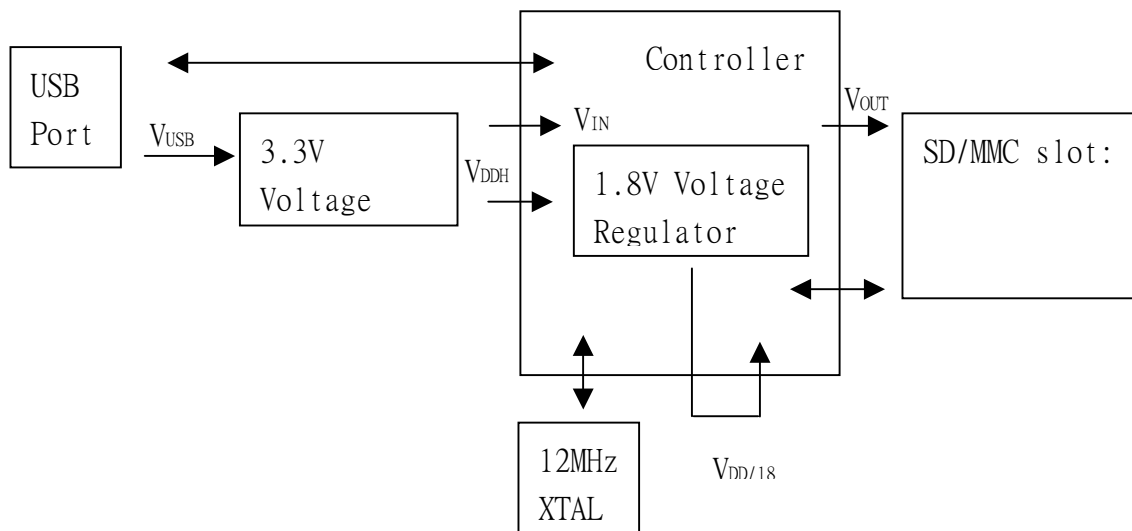
Pinouts

Pin No.	Pin Name
01	V _{USB}
02	USB-
03	USB+
04	VSS

Pin Identification

Symbol	Function
USB- USB+	USB differential signal: The pairs are used to transmit Data/Address/Command
VSS	Ground
V _{USB}	USB Power Input

Block Diagram



Absolute Maximum Ratings

SYMBOL	PARAMETER	RATING	UNITS
V_{DDH}	Power Supply	-0.3 to $V_{DDH}+0.3$	V
V_{IN}	Input Voltage	-0.3 to 3.6	V
V_{OUT}	Output Voltage	-0.3 to $V_{DDH}+0.3$	V
T_{STG}	Storage	-40 to 150	°C

Recommended Operating Conditions

SYMBOL	PARAMETER	MIN	TYP	MAX	UNITS
V_{DDH}	Power Supply	3.0	3.3	3.6	V
$V_{DD/18}$	Digital Supply	1.62	1.8	1.98	V
V_{IN}	Input Voltage	0	3.3	3.6	V
T_{OPR}	Operating	0		70	°C

DC Characteristics:

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
I_{IN}	Input current	no pull-up or pull-down	-10	± 1	10	μA
I_{OZ}	Tri-state leakage current		-10	± 1	10	μA
C_{IN}	Input capacitance	Pad Limit		2.8		pF
C_{OUT}	Output capacitance	Pad Limit		2.8		pF
C_{BID}	Bi-directional buffer capacitance	Pad Limit		2.8		pF

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