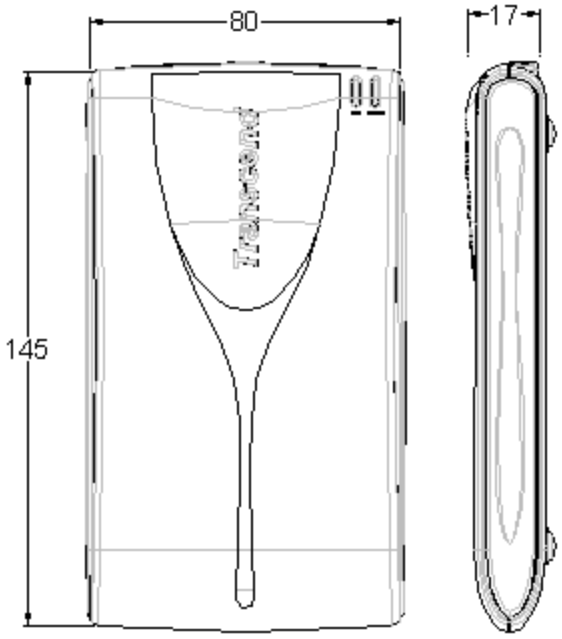
TS0MHDENC

Portable Hard Disk Enclosure

Description

TS0MHDENC is a USB 2.0 Portable Hard Disk Enclosure. This device is designed to expedite exchanging huge amounts of data between a 2.5” hard disk drive (HDD) installed in this Portable Hard Disk Enclosure and any desktop or notebook computers.

Placement



System Requirements

- Desktop or notebook computers with USB port
- One of following operating systems:

  Win® 98, Win® Me, Win® 2000, Win® XP, Mac™ OS

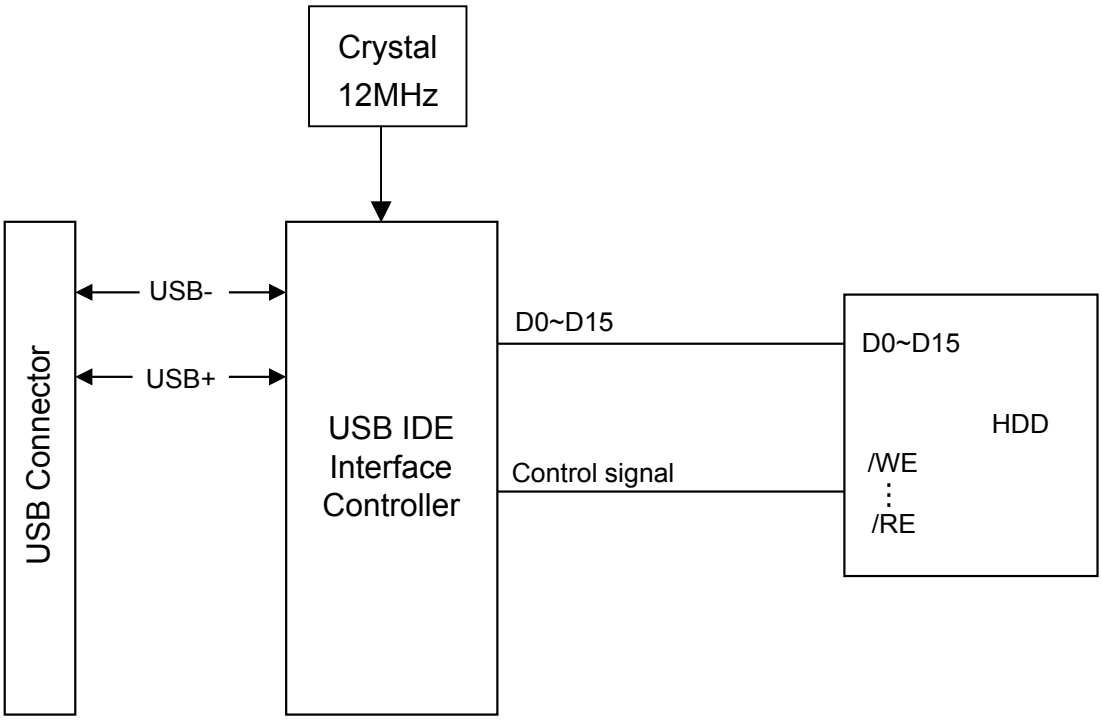
Features

- 100% Compatible with USB Interface in Windows or Mac
- Single Power Supply: 5V ± 10%
- Connector Durability: 10000 times
- Recommended operating temperature : 0 – 50 □
- USB connection for true Plug and Play
- Supports Resume Suspend and Low power modes
- Compliant with USB specification version 1.1 & 2.0
- Support 2.5” hard disk drive (Height: 9.5mm)
- USB bus power or PS/2 port power needed.
- LEDs indicate Power On and Data Traffic

Dimensions

Side	Millimeters	Inches
A	145.00 ± 1.00	5.71± 0.04
B	80.00 ± 1.00	3.15 ± 0.04
C	17.00 ± 1.00	0.67 ± 0.04

Block Diagram



Pinouts

Pin No.	Pin Name
01	VCC
02	USB-
03	USB+
04	VSS

Pin Identification

Symbol	Function
USB-	USB differential signal:
USB+	The pairs are used to transmit Data/Address/Command
VSS	Ground
VCC	USB power input

Electrical Characteristics

Absolute Maximum Ratings

Supply Voltage Range, (VCC)	-0.3V to 3.6V
Input Voltage Range	-0.3V to (VCC+0.3V)
Output Voltage Range	-0.3V to (VCC+0.3V)
Operating temperature	0°C to 70°C
ESD Human Body Model	7 kV

Recommended Operation Conditions

	NOM.	MIN.	MAX.	UIITS
Supply voltage	3.3	3.0	3.6	V
Input voltage		0	VCC	V
Output voltage			VCC	V
High-level input voltage, VIH		0.7VCC	VCC	V
Low-level input voltage, VIL		0	0.3VCC	V
Operating Temperature	25	0	70	0°C

Electrical Characteristics

PARAMETER	TEST CONDITIONS	MIN.	MAX.	UIITS
High-level output voltage, Voh	Ioh = -12mA Ioh= -8mA	0.8VCC		V
Low-level output voltage, Vol	Iol = 12mA Iol= 8mA		0.2VCC	V

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