

# Raspberry Pi USB to mSATA Converter Board

## 1. Introduction

*Easy install and utilize mSATA SSD to your Raspberry Pi!*

### 1.1. Features

- Connect Raspberry Pi USB to mSATA SSD
- Supports SATA III, SATA II and SATA I mSATA SSD
- Compliant with Serial ATA Specification Revision 2.6
- Supports Serial ATA transfer rate of 6.0 Gbps
- Supports ATA/ATAPI Packet Command Set
- Supports ATA/ATAPI LBA 48 Addressing mode
- Compliant with Universal Serial Bus Specification Revision 2.0 (Data Rate 1.5/12/480 Mbps)
- Compliant with Open Host Controller Interface Specification for USB Rev 1.0a
- Compliant with Enhanced Host Controller Interface Specification for USB Rev 0.95
- Both USB micro-B connector and USB 5Pin Pinheader on board for Pi connection
- Jumper selection either power wafer of external 5V sufficient power or 5V USB bus power to PCBA & mSATA SSD
- On board activity LED for mSATA accessing
- Includes 2 mSATA screws for the retention of mSATA module

## 2. Installation

1. Connect this board to Pi via USB Micro-B cable (**USB\_m**) or 5Pin cable (**USB\_P**)
2. **5V\_IN** Select board & mSATA SSD power from Pi USB 5V bus (**USB**) or external 5V (**PWR**)
3. If **5V\_IN** selection on **PWR**, connect external 5V power to 2pin Wafer **PWR**
4. Install mSATA SSD

**USB 5Pin Connector Signal**

	<b>Label</b>	<b>Signal Name</b>
○	GND	Signal ground
○	NC	Keyed
○	D+	USB D+ signal
○	D-	USB D- signal
○	+5V	USB +5V