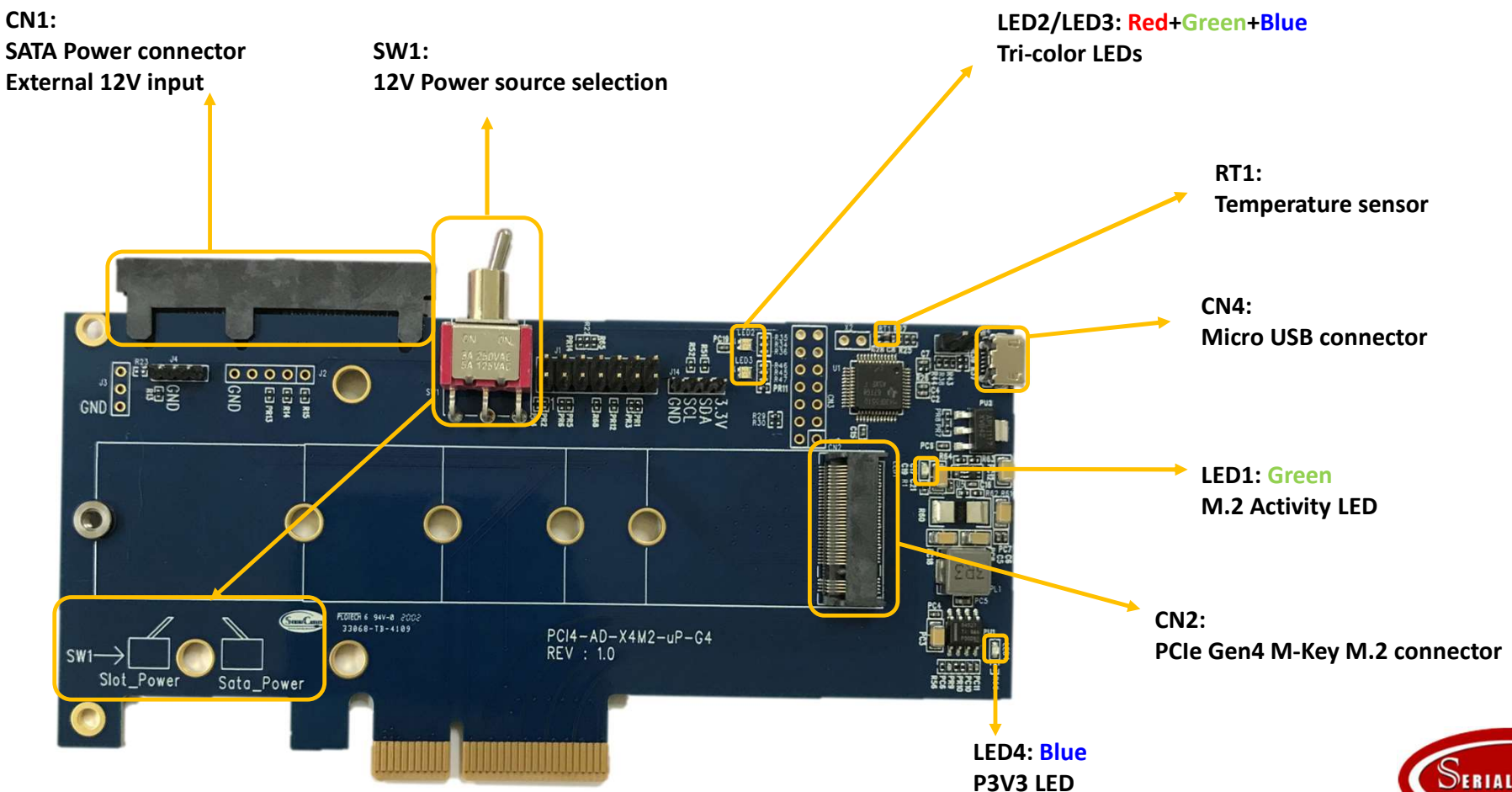
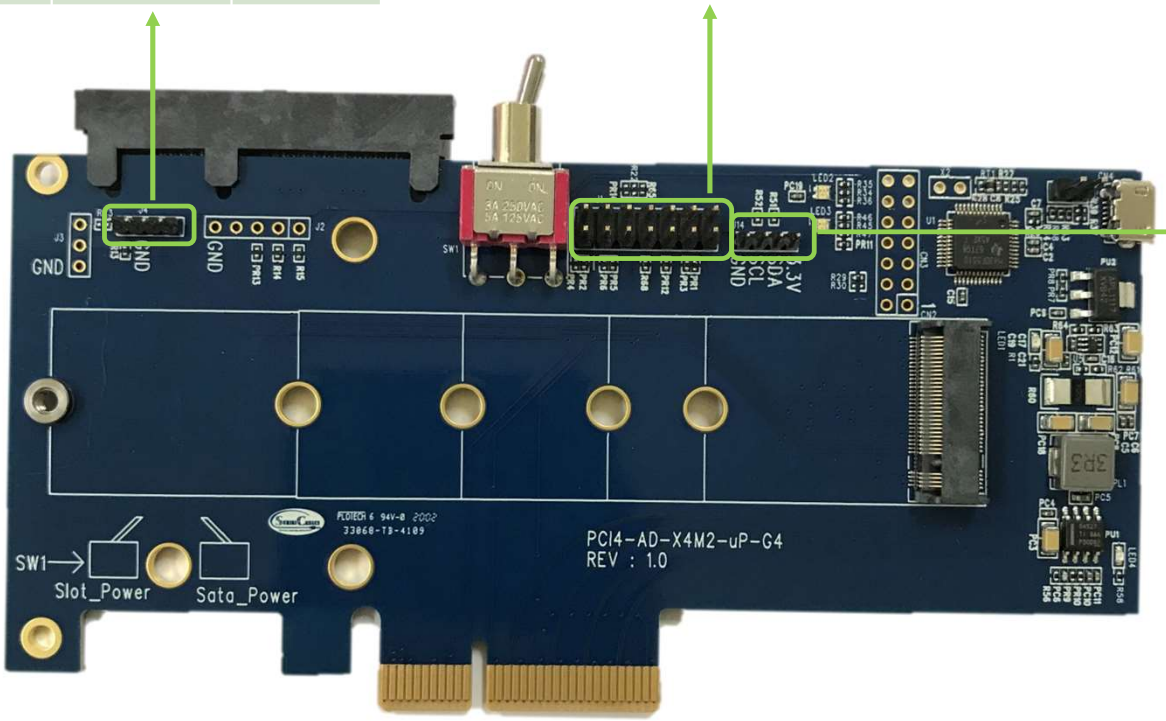
Components Description



Headers Description

J4			
M.2_ Pin30	GND	M2_MFG_CLOCK	M2_MFG_DATA

J1						
SLOT_WAKE#	SLOT_CLKREQ#	SLOT_PERST#	NC	SLOT_PRSNT#	SLOT_CLKREQ#	MSP_BUF_SEL
M2_WAKE#	M2_CLKREQ#	M2_PERST#	M2_IFDET#	M2_PRSNT#	M2_DEVSLP	GND



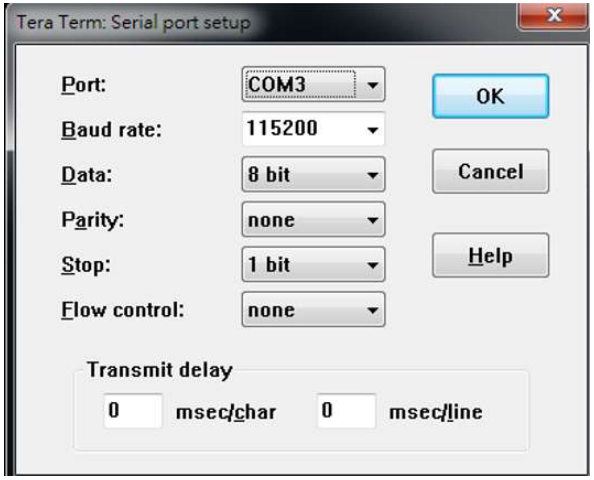
J14			
GND	M2_SCL	M2_SDA	3.3V

CLI Setup

Step 1. Install and launch Tera Term application
(or Hyper Terminal requires version 3.0 or higher).

Step 2: To ensure proper communications between NVMe JBOF controller and the VT100 Terminal emulation, please configure the VT100 Terminal emulation settings to the values shown below:

Step 3:
For “Port”, select COM3 in this example.
(Depend on which COM port used on Host)
For “Baud rate”, select 115200.
For “Data”, select 8 bit. For “Parity”, select none.
For “Stop”, select 1 bit. For “Flow control”, select: none.
Click OK when you have finished your selections.

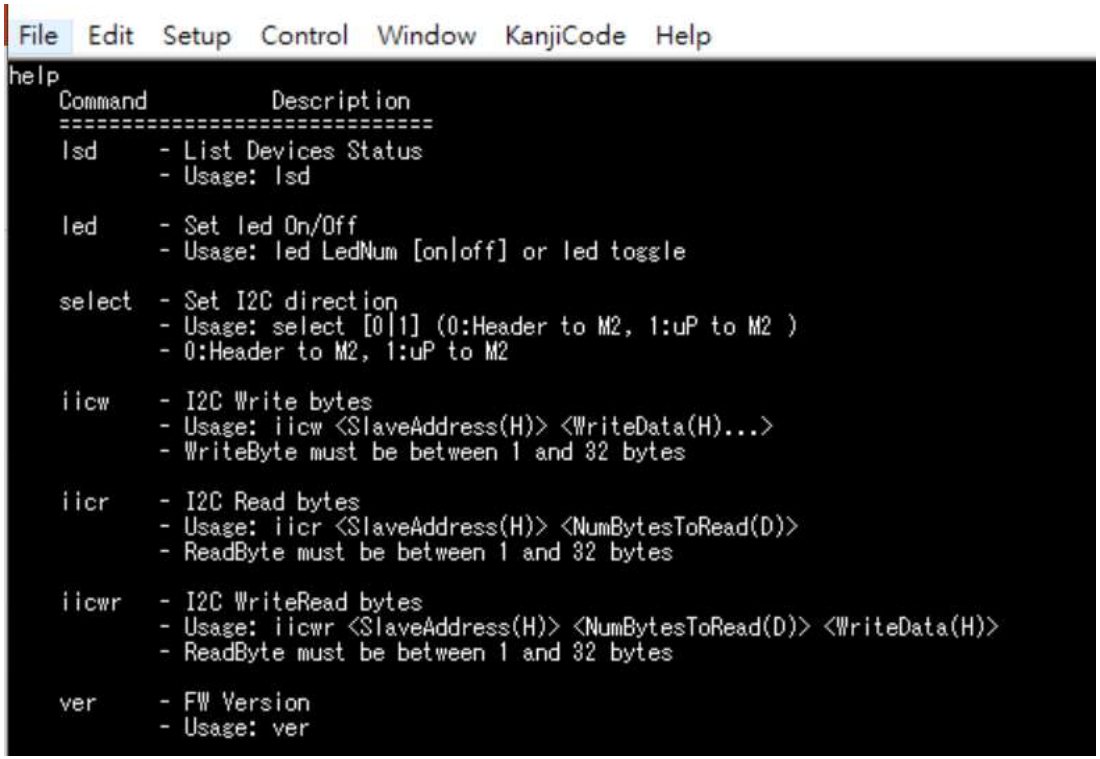


CLI Commands

Help

This command provides an online table of contents, providing brief descriptions of the supported command groups and built-in commands.

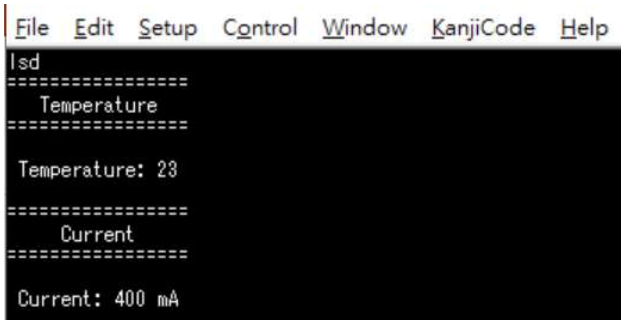
Usage: help



lsd

Shows the temperature of RT1 and the current M.2 3.3 voltage consumed.

Usage: lsd



led

Turn on the Tri-colors LEDs or toggle light.

Usage: led <LED_id(D)> <on|off>

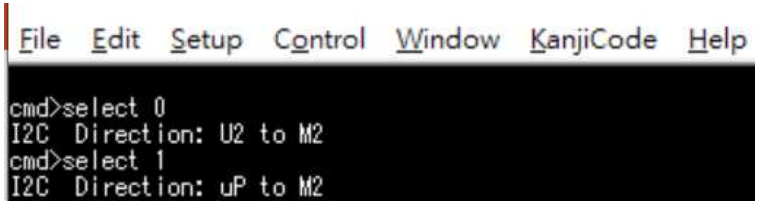
There are two Tri-color LEDs on location LED2 and LED3 built in board.

Parameter LED1 is **Green**, LED2 is **Red**, LED3 is **blue** color in LED2

Parameter LED4 is **Green**, LED5 is **Red**, LED6 is **blue** color in LED3

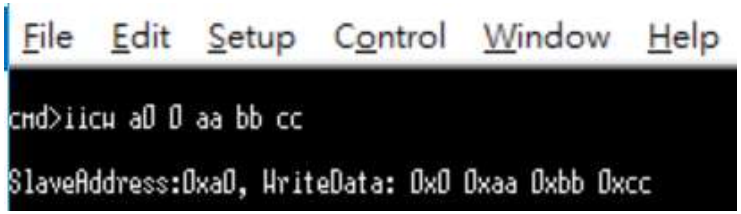
select

Select the M.2 SMbus accessing from on board header or Turn on the Tri-colors LEDs
0: Header(J14) to M.2
1: uP to M.2
Usage: select<0|1>



iicw

Write 3Bytes of data to M.2 drive
Usage: iicw <Device Addr(H)> <Register Addr(H)> <WriteData(H)>
- device Addr(H) : Device address
- Register Addr(H) : register address
- WriteData(H) : 3 bytes data



Note: There is a EEPROM with 0xA0 address in board for any configuration data store.

iicr

Read data from device

Usage: iicr <Device Addr(H)> <read byte(D)>

- device Addr(H) : Device address
- read byte(D) : numbers of byte

```
cmd>iicr a0 10
SlaveAddress:0xa0 NumBytesToRead:10
buf[0]:0xaa
buf[1]:0xbb
buf[2]:0xcc
buf[3]:0xff
buf[4]:0xff
buf[5]:0xff
buf[6]:0xff
buf[7]:0xff
buf[8]:0xff
buf[9]:0xff
```

iicwr

Read data from device and start from address

Usage: iicwr <Device Addr(H)> <read byte(D)><start addr<H>>

- device Addr(H) : Device address
- read byte(D) : numbers of byte
- start addr(H) : start address

```
cmd>iicwr a0 8 0
SlaveAddress:0xa0 NumBytesToRead:8 WriteData:0x0
buf[0]:0xaa
buf[1]:0xbb
buf[2]:0xcc
buf[3]:0xff
buf[4]:0xff
buf[5]:0xff
buf[6]:0xff
buf[7]:0xff
```