

User's Manual

GENERAL SPECIFICATION

Front panel I/O BOX with connected cables

INSTALLATION:

- A. Make sure the computer power is off after shut down the computer, and then open the cover of the computer.
- B. Remove the 5.25" plastic cover from the computer where is the free bay you want to install.



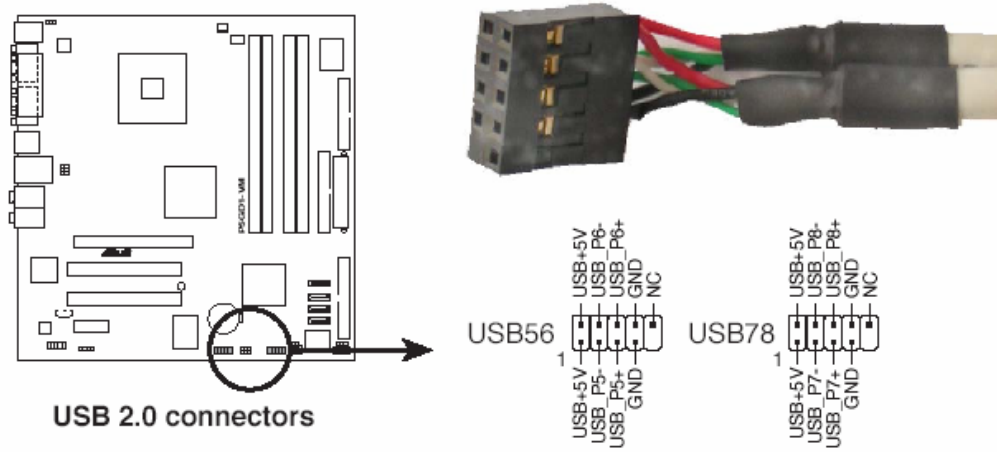
- C. Install the I/O front panel to the empty bay, and screw it.
- D. Connect the attached cables from the I/O FRONT PANEL to the correct connectors where are on the motherboard when the I/O FRONT PANEL BOX is installed.
- E. Connect with the Power Connector from the power supply to I/O Front Panel.
Please refer to the picture below:



F.

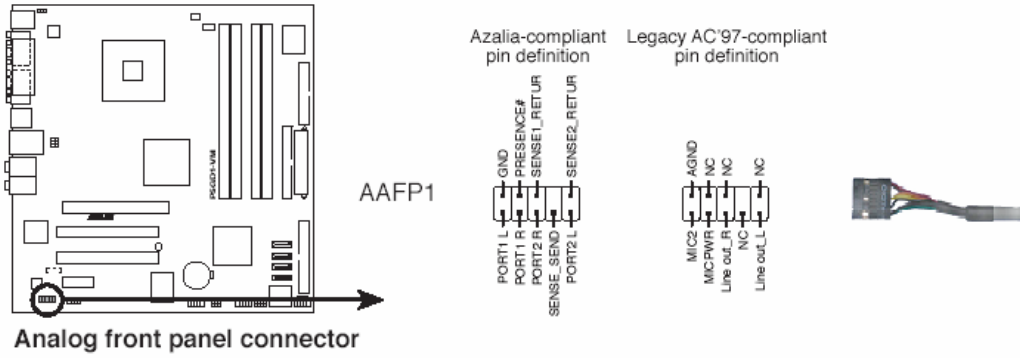
1. USB Port

Plug the USB module cable to the USB 2.0 connectors which is on the motherboard.



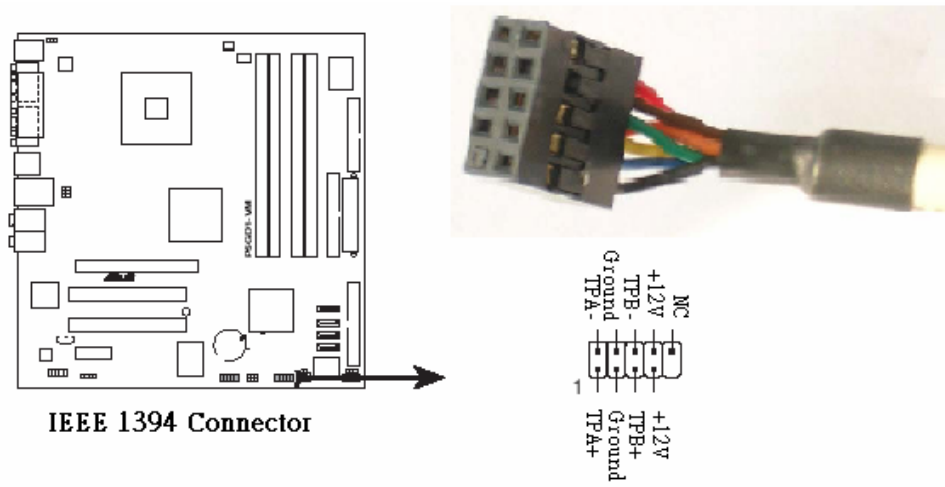
2. Audio Port

Plug in the Audio Module Cable to the legacy AC'97 Audio pin header where is located on the motherboard.



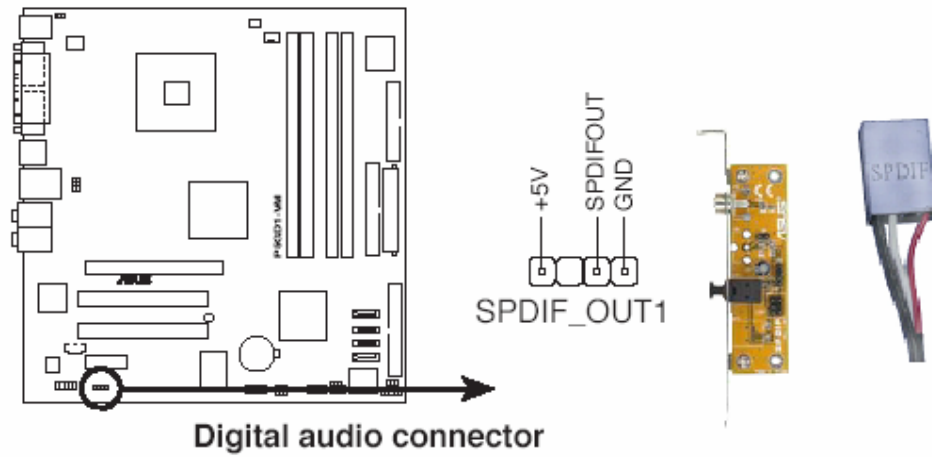
3.1394 Port

Plug the 1394 cable to the 1394 Port where is on the motherboard and make sure all the pins of connector which is connected are correct.



4. SPDIF_OUT

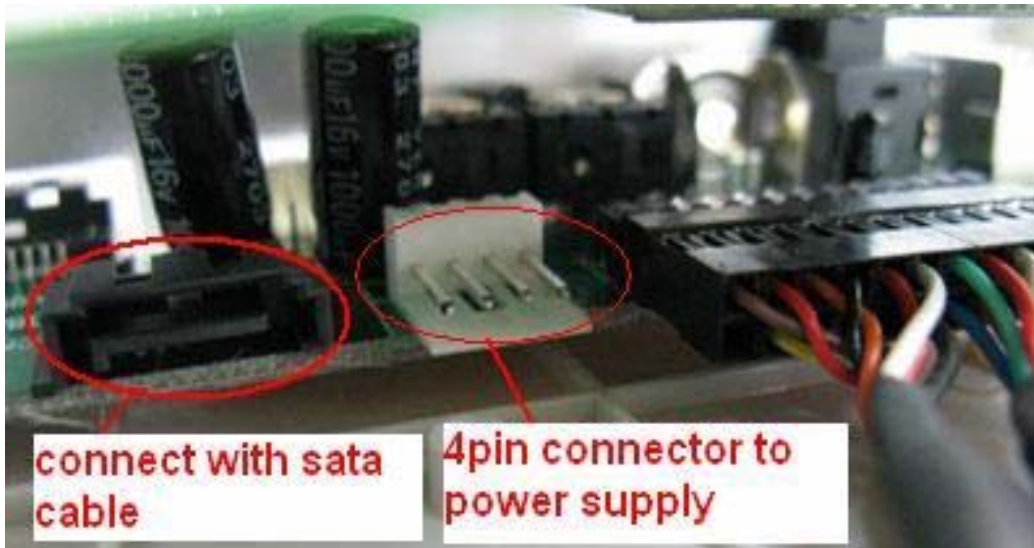
Connect the S/PDIF module cable to the S/PDIF connector which is on the Motherboard.



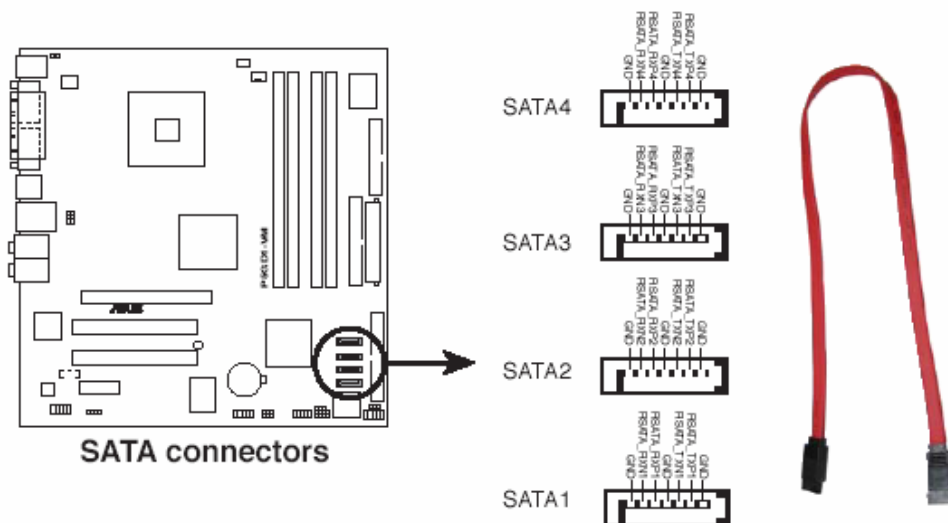
5. Serial ATA Port

First Make sure the 4-pin power cable that from Power supply is connected to the correct location of the I/O board, and then plug the Serial ATA cable connecting to the Serial ATA port on the Motherboard from I/O PANEL.



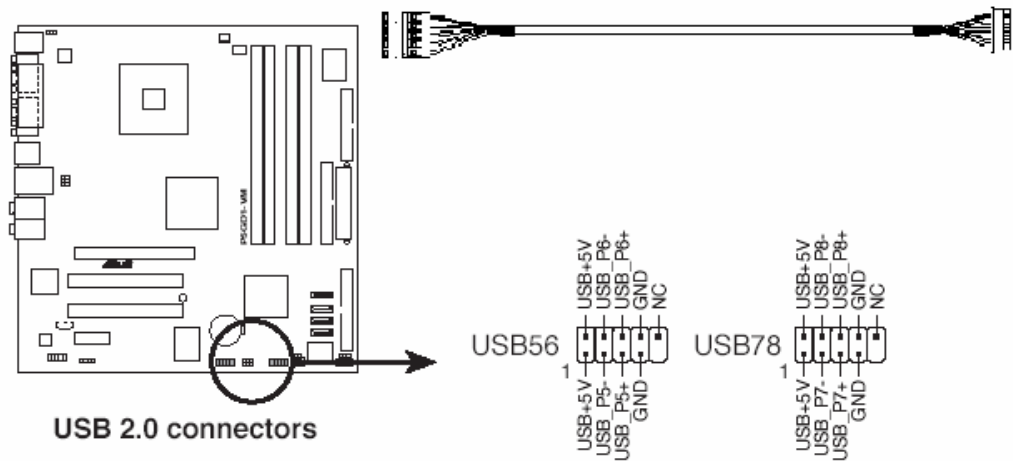


These connectors are for the Serial ATA signal cables for Serial ATA hard disk drives.

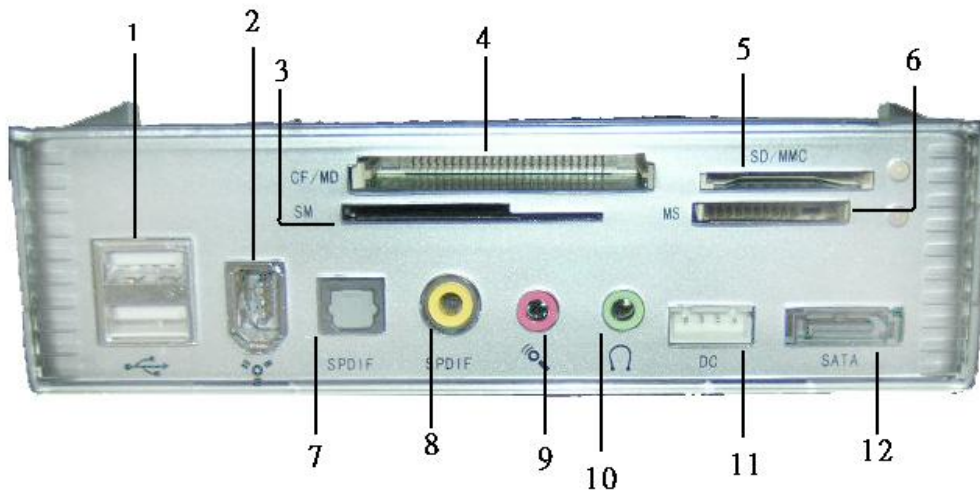


6. Card Reader

Connect with the 5-pin USB cable from CN1 location of the Card reader PCB to another USB port where is on the motherboard.



Front panel I/O Box Connectors



1. **USB 2.0 Port:** These two 4-pin Universal Serial Bus ports are available for connecting with USB 2.0 devices.
2. **IEEE 1394:** This 6-pin firewire connector is for IEEE1394 device.
3. **SM Connector:** This port is used for connecting with memory SM card.
4. **CF/MD Connector:** This port is used for connecting with memory CF or MD card.
5. **SD/MMC Connector:** This port is used for connecting with memory SD or MMC card.

6. **MS Connector:** This port is used for connecting with memory MS card

7. **8.S/PDIF digital sound Connector:** The technology turns your computer into a high-end entertainment system with a digital connector for powerful audio and speaker systems.

9. **Microphone Connector:** This port is used to connecting with a microphone.

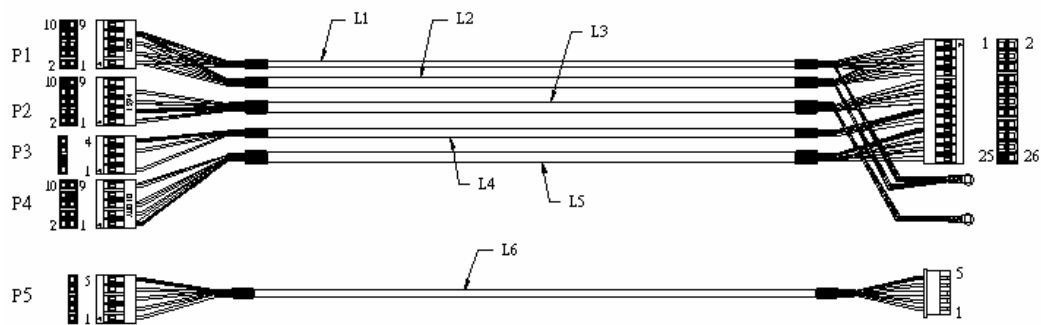
10. **LINE-OUT Connector:** This port is used to connecting with a headphone or a speaker.

11. **DC Power Connector:** This 4-pin connector is used for connecting with SATA Power +12V or +5V.

12. **SATA Connector:** This port is used for connecting with Serial ATA Equipment.

The cables choose Here you can choose the kinds cables that attached to I/O BOX

1.



PIN ASSIGNMENT	
COLOR P1	L1
RED 1	USB_VCC
WHITE 3	D-
GREEN 5	D+
BLACK 7	Ground
DRAIN 7	Terminal

PIN ASSIGNMENT	
COLOR P1	L2
RED 2	USB_VCC
WHITE 4	D-
GREEN 6	D+
BLACK 8	Ground
DRAIN 8	Terminal

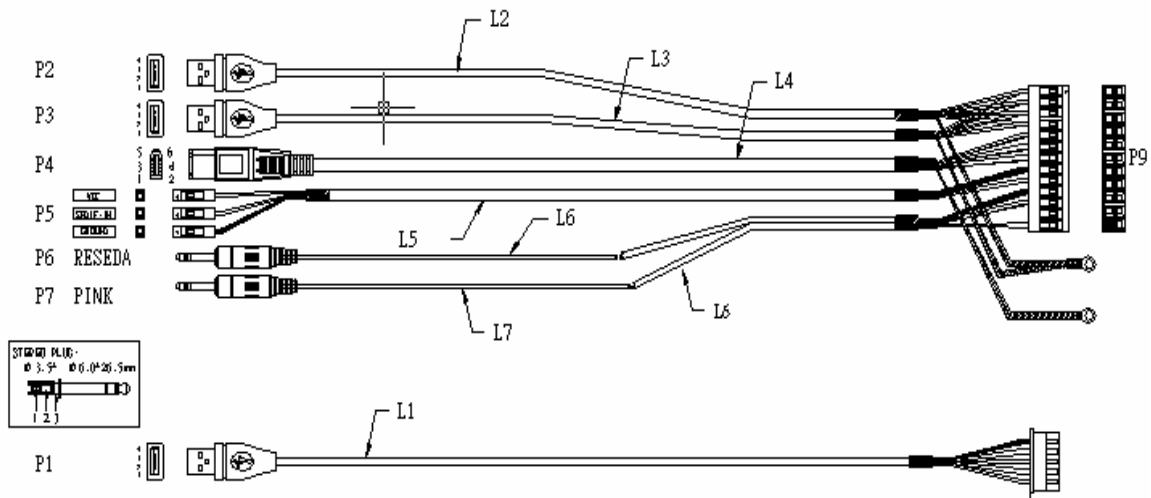
PIN ASSIGNMENT	
COLOR P2	L3
BLACK 4	Ground
BLUE 2	TPA+
ORANGE 1	TPA-
GREEN 6	TPB+
RED 5	TPB-
WHITE 7	+12V
DRAIN 3	Terminal

PIN ASSIGNMENT	
COLOR P3	L4
RED 1	VCC
WHITE 3	IN
DRAIN 4	Ground

PIN ASSIGNMENT	
COLOR P4	L5
DRAIN 1	Ground
GREEN 2	MIC_IN
BLACK 4	MIC_PWD
YELLOW 5	PGT_P
ORANGE 6	P_OUT
RED 9	PGT_L
BROWN 10	L_OUT

PIN ASSIGNMENT	
COLOR P5	L6
RED 1	USB_VCC
WHITE 2	D-
GREEN 3	D+
BLACK 4	Ground
DRAIN 5	Ground

2.



PIN ASSIGNMENT		
COLOR	P1	L1
RED	1	usb_vcc
WHITE	2	D-
GREEN	3	D+
BLACK	4	Ground
DRAIN SHELL		Ground

PIN ASSIGNMENT		
COLOR	P2	L2
RED	1	usb_vcc
WHITE	2	D-
GREEN	3	D+
BLACK	4	Ground
DRAIN SHELL		Ground

PIN ASSIGNMENT		
COLOR	P3	L3
RED	1	usb_vcc
WHITE	2	D-
GREEN	3	D+
BLACK	4	Ground
DRAIN SHELL		Ground

PIN ASSIGNMENT			
COLOR	P4	L4	P9
BLACK	2		Ground
BLUE	6		IR+
ORANGE	5		IR-
GREEN	4		IRB+
RED	3		IRB-
WHITE	1		+12V
DRAIN SHELL			Ground

PIN ASSIGNMENT		
COLOR	P5	L5
DRAIN	GROUND	
WHITE	SPDIF-IN	
RED	VCC	

PIN ASSIGNMENT		
COLOR	P6	L6
DRAIN	3	Ground
WHITE	2	L_OUT
RED	1	R_OUT

PIN ASSIGNMENT		
COLOR	P7	L7
DRAIN	3	Ground
WHITE	2	MIC_PWR
RED	1	MIC_IN

BIOS setup program

USB Configuration

The items in this menu allows you to change the USB-related features. Select an item then press <Enter> to display the configuration options.

Advanced		BIOS SETUP UTILITY
USB Configuration		Enables USB host controllers.
Module Version - 2.23.2-9.4		
USB Devices Enabled: None		
USB Function	[Enabled]	
Legacy USB Support	[Auto]	
USB 2.0 Controller	[Enabled]	
USB 2.0 Controller Mode	[HiSpeed]	



The Module Version and USB Devices Enabled items show the auto-detected values. If no USB device is detected, the item shows None.

USB Function [Enabled]

Allows you to enable or disable the USB function.
Configuration options: [Disabled] [Enabled]

Legacy USB Support [Auto]

Allows you to enable or disable support for USB devices on legacy operating systems (OS). Setting to Auto allows the system to detect the presence of USB devices at startup. If detected, the USB controller legacy mode is enabled. If no USB device is detected, the legacy USB support is disabled. Configuration options: [Disabled] [Enabled] [Auto]

USB 2.0 Controller [Enabled]

Allows you to enable or disable the USB 2.0 controller.
Configuration options: [Disabled] [Enabled]

USB 2.0 Controller Mode [HiSpeed]

Allows you to configure the USB 2.0 controller in HiSpeed (480 Mbps) or Full Speed (12 Mbps). Configuration options: [HiSpeed] [Full Speed]