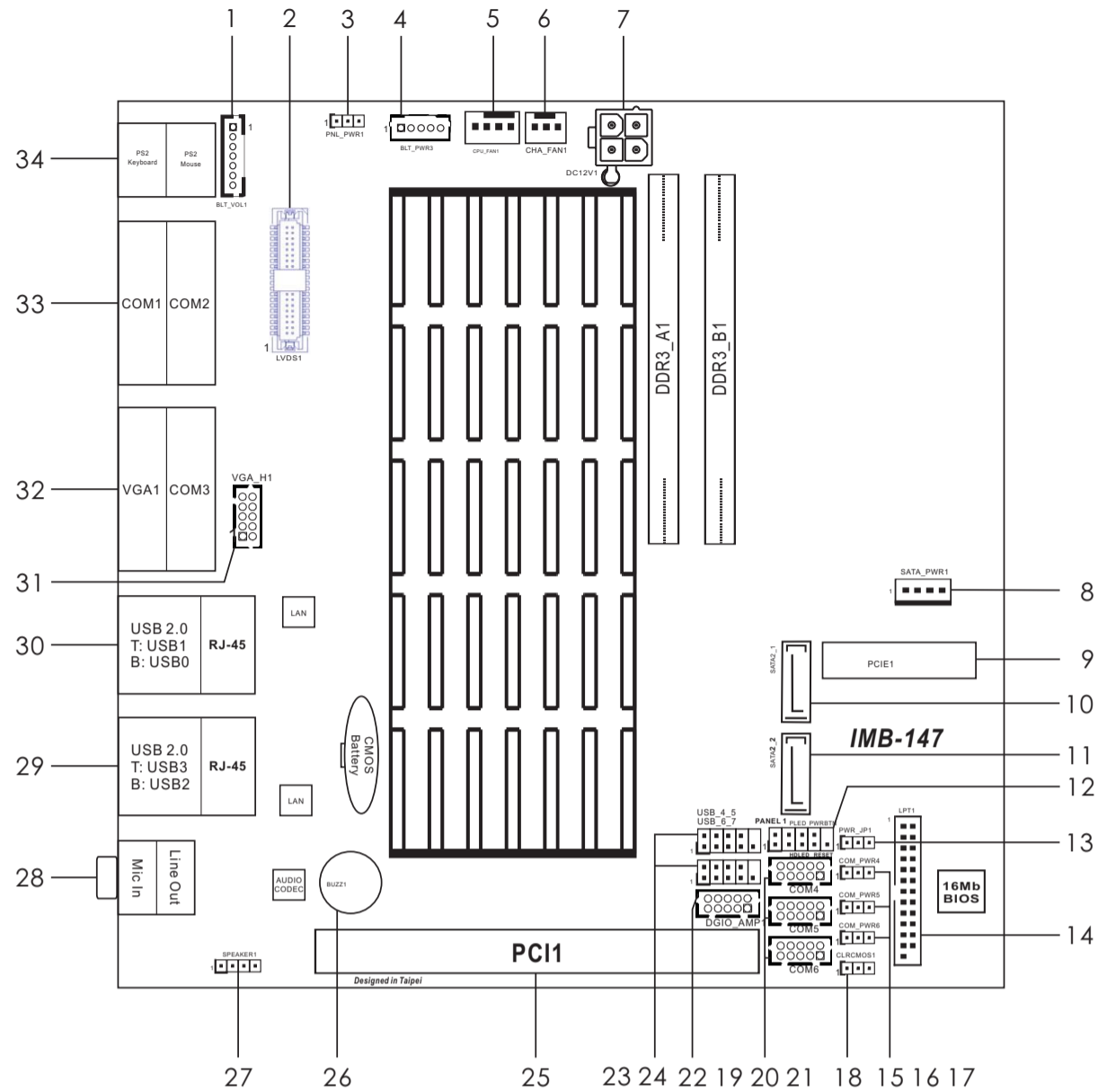
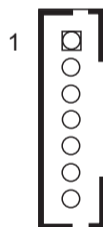


# ASRock® Jumpers and headers setting guide

## IMB-147



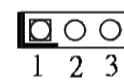
1 : Backlight & Amp Volume Control Header



PIN	Signal Name
1	VOL_UP
2	VOL_DW
3	BKT_OFF
4	BKT_UP
5	BKT_DW
6	GND
7	GND

3 : Panel Power Jumper

1-2 : +3V  
2-3 : +5V

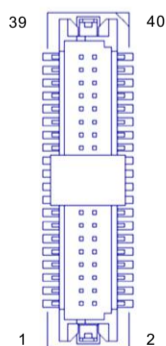


4 : Inverter Power Control Header



PIN	Signal Name
1	+12V
2	GND
3	B/L ENABLE
4	B/L ADJUST
5	+5V

2 : LVDS Panel Connector



PIN	Signal Name	PIN	Signal Name
39	GND	40	GND
37	LVDS2 D3(-)	38	LVDS2 D3(+)
35	LVDS2 CLK(-)	36	LVDS2 CLK(+)
33	LVDS2 D2(-)	34	LVDS2 D2(+)
31	LVDS2 D1(-)	32	LVDS2 D1(+)
29	LVDS2 D0(-)	30	LVDS2 D0(+)
27	GND	28	GND
25	LVDS1 D3(-)	26	LVDS1 D3(+)
23	LVDS1 CLK(-)	24	LVDS1 CLK(+)
21	LVDS1 D2(-)	22	LVDS1 D2(+)
19	LVDS1 D1(-)	20	LVDS1 D1(+)
17	LVDS1 D0(-)	18	LVDS1 D0(+)
15	B/L ENABLE	16	GND
13	B/L ADJUST	14	LVDS PWR EN
11	DDC CLK	12	DDC DATA
9	LVDS PWR	10	LVDS PWR
7	VCC 3.3V	8	GND
5	+12V	6	GND
3	+12V	4	+12V
1	+12V	2	+12V

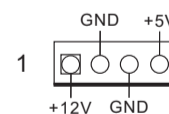
5 : 4-Pin CPU FAN Connector (+12V)

6 : 3-Pin Chassis FAN Connector (+12V)

7 : ATX 12V Power Connector



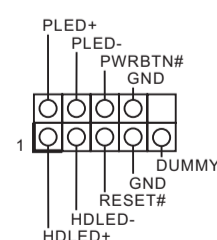
8 : SATA Power Connector



9 : mini PCIE Connector (Half size only)

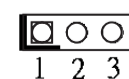
10,11 : SATA2 Connectors

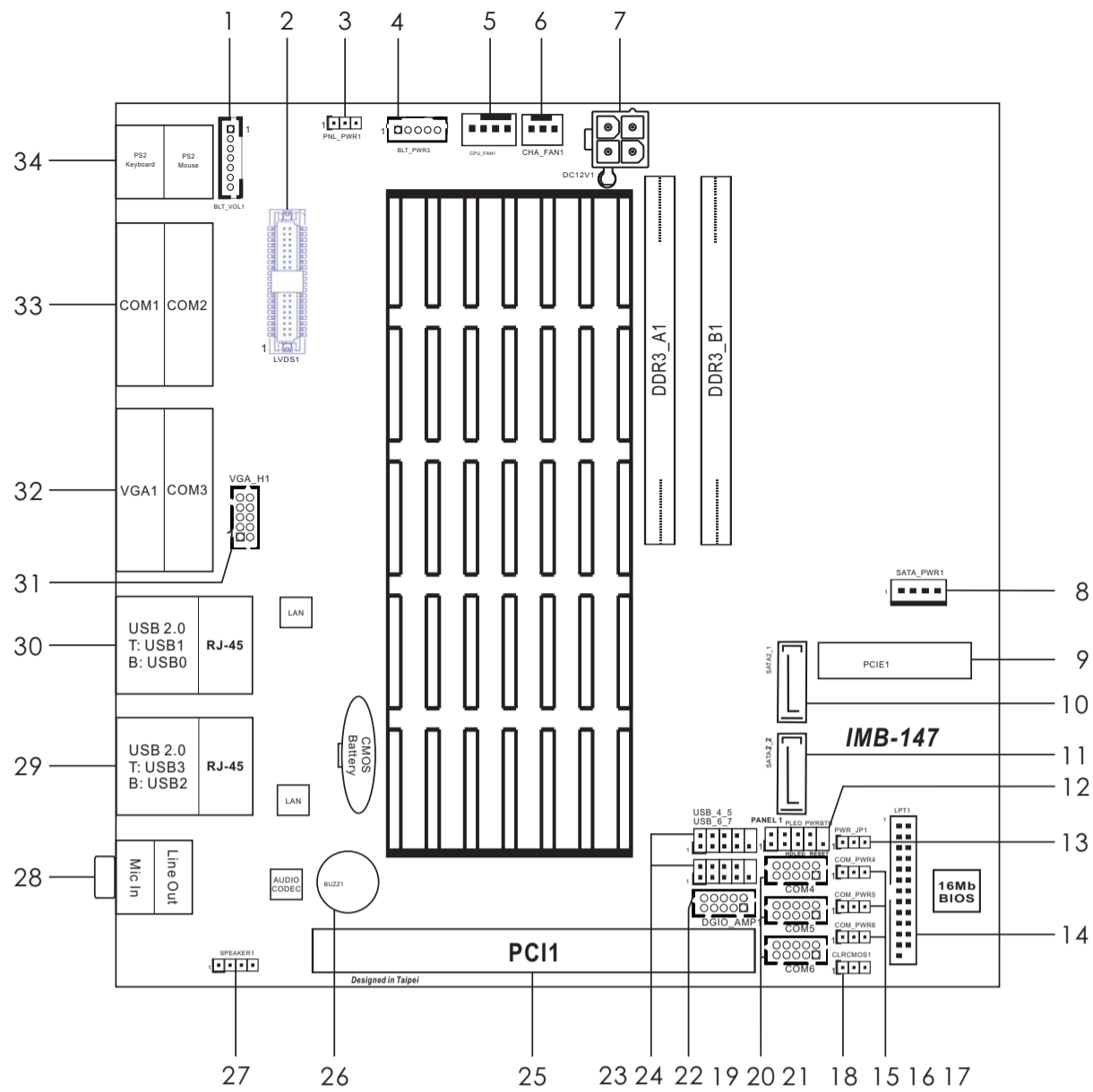
12 : System Panel Header



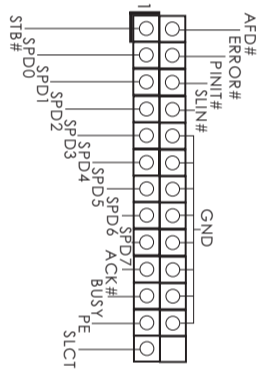
13 : ATX/AT Mode Jumper

1-2: AT Mode  
2-3: ATX Mode





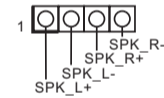
14 : Printer Port Header



25 : PCI1 Slot

26 : Buzzer

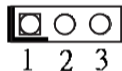
27 : Internal Speaker Header



28 : Audio Jacks  
Green - Line Out  
Pink - Mic In

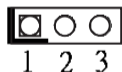
COM Port Power Setting Jumpers

- 15 : For COM4
- 16 : For COM5
- 17 : For COM6
- 1-2: +5V
- 2-3: +12V



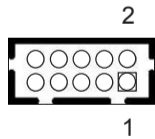
18 : Clear CMOS Header

- 1-2: Normal
- 2-3: Clear CMOS



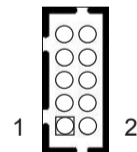
COM Port Headers

- 19 : COM4
- 20 : COM5
- 21 : COM6



PIN	Signal Name	PIN	Signal Name
2	NC	1	COM VOLT
4	CTS	3	RTS
6	DSR	5	GND
8	DTR	7	TXD
10	RXD	9	DCD

31 : VGA Header



PIN	Signal Name	PIN	Signal Name
9	RED	10	GND
7	GRN	8	GND
5	BLUE	6	GND
3	HSYNC	4	VSYNC
1	DDC_CLK	2	DDC_DAT

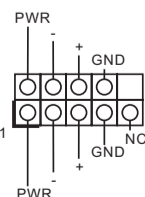
32 : Top : COM3  
Bottom : VGA1  
33 : Top : COM2  
Bottom : COM1\*

\* This motherboard supports RS232/422/485 on COM1 port. Please refer to below table for the pin definition. In addition, COM1 port (RS232/422/485) can be adjusted in BIOS setup utility > Advanced Screen > Super IO Configuration. You may refer to page 37 of our user manual for details.

COM1 Port Pin Definition

PIN	RS232	RS422	RS485
1	DCD, Data Carrier Detect	TX-	RTX-
2	RXD, Receive Data	RX+	N/A
3	TXD, Transmit Data	TX+	RTX+
4	DTR, Data Terminal Ready	RX-	N/A
5	GND	GND	GND
6	DSR, Data Set Ready	N/A	N/A
7	RTS, Request To Send	N/A	N/A
8	CTS, Clear To Send	N/A	N/A
9	No Power/5V/12V	N/A	N/A

23 : USB2.0 Connector (USB45)  
24 : USB2.0 Connector (USB67)



34 : Top : PS/2 Mouse  
Bottom : PS/2 Keyboard