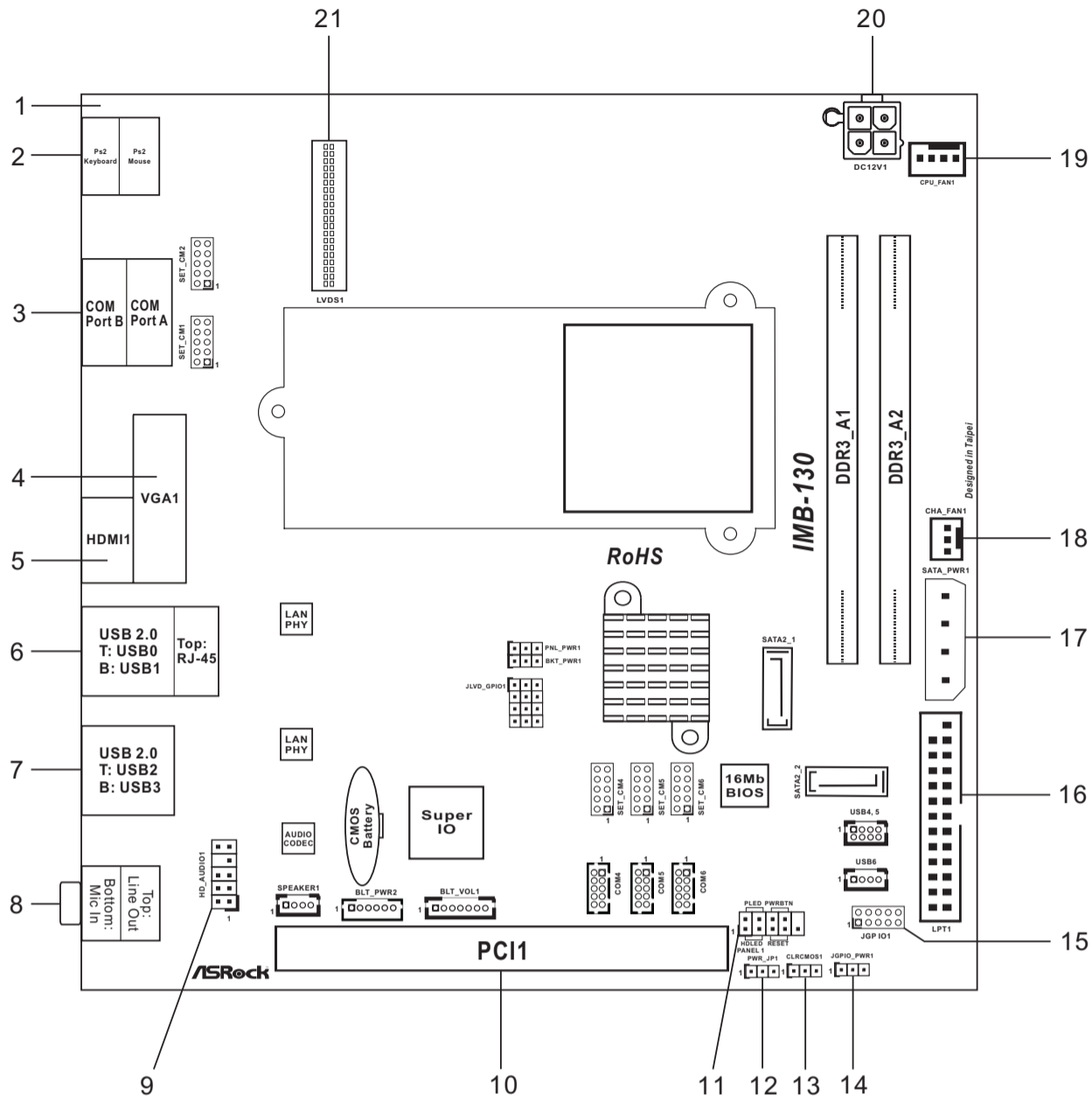


# ASRock Jumpers and headers setting guide

## IMB-130



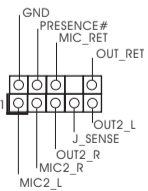
- 1 : Reserve for Antenna or DC-In Cable
- 2 : Higher (Green) – PS/2 Mouse  
Lower (Purple) – PS/2 KeyBoard
- 3 : Higher: COM Port A (COM1) – RS232/422/485\*  
Lower: COM Port B (COM2) – RS232 Only

\* 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 29 of our user manual for details.

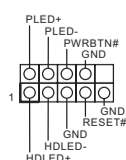
**COM1 Port Pin Definition**

PIN	RS232	RS422	RS485
1	DCD/+5V/+12V	TX-/+5V/+12V	RTX-/+5V/+12V
2	RXD	RX+	N/A
3	TXD	TX+	RTX+
4	DTR	RX-	N/A
5	GND	GND	GND
6	DSR	N/A	N/A
7	RTS	N/A	N/A
8	CTS	N/A	N/A
9	+5V/+12V/RI	N/A	N/A

- 4 : VGA/D-Sub
- 5 : HDMI Port
- 6 : RJ45 LAN Port + USB2.0
- 7 : USB2.0
- 8 : Audio Out Put  
Lime – Line Out  
Pink – Mic In
- 9 : Front Panel Audio Header (White)



- 10 : PCI Slot
- 11 : System Panel Control Header (White)



- 12 : PWR-On mode setting



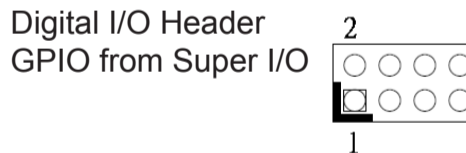
- 1-2: AT Mode
- 2-3: ATX Mode

- 13 : Clear CMOS Header



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

- 14 : Digital I/O Header PWR setting



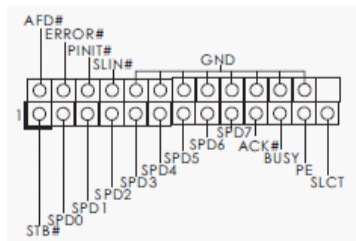
- 1-2: +12V
- 2-3: +5V

- 15 : Digital I/O Header GPIO from Super I/O

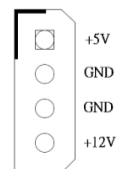


Pin #	Signal Name	Pin #	Signal Name
1	GP24	2	GP20
3	GP25	4	GP21
5	GP26	6	GP22
7	GP27	8	GP23
9	PWR	10	GND

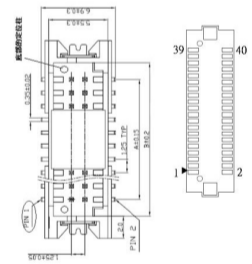
- 16 : Printer Port Header



- 17 : Output Power

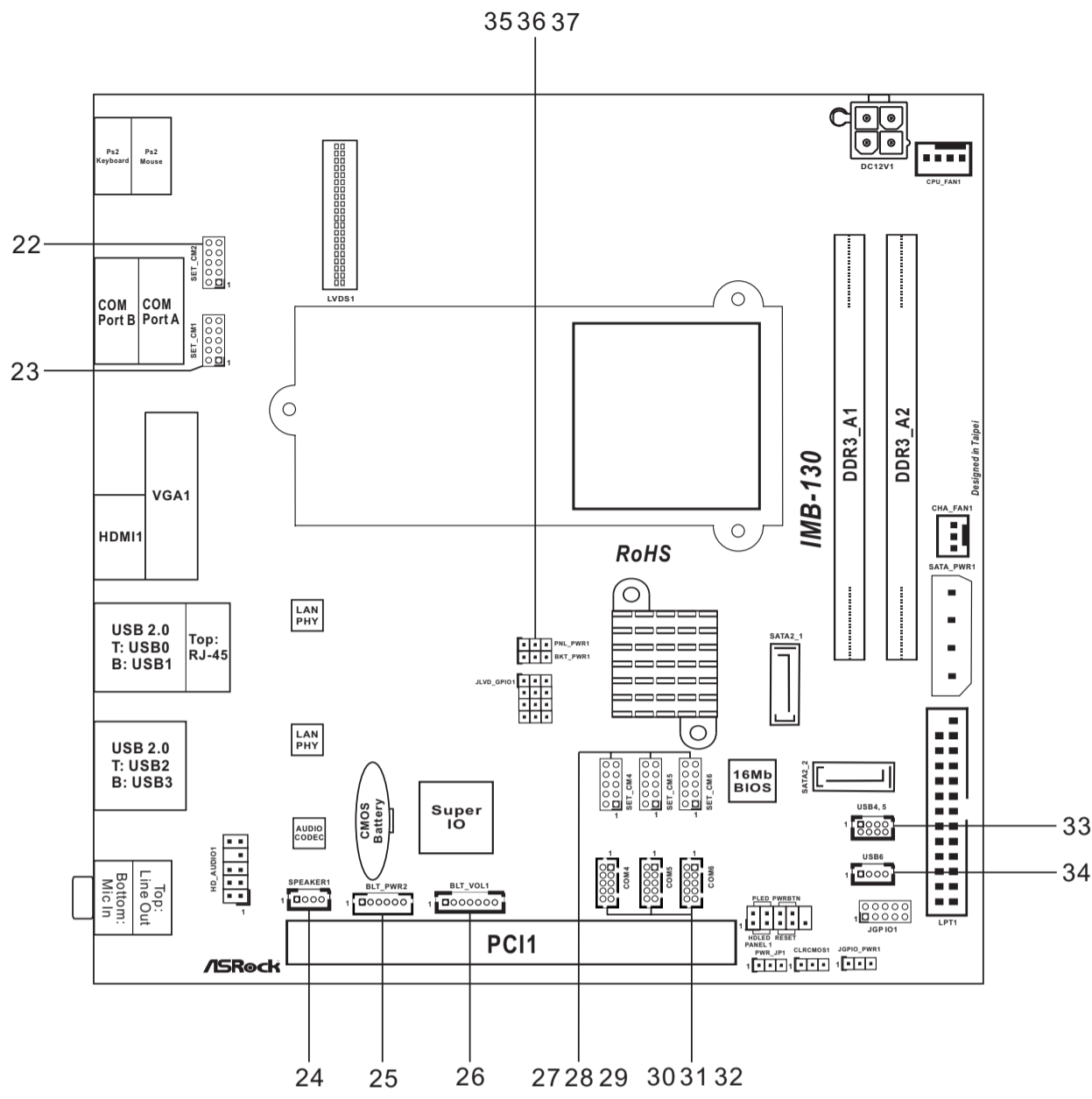


- 18 : 3-Pin FAN con (+12V)
- 19 : 4-Pin FAN con (+12V)
- 20 : 4-Pin ATX PWR In (+12V)
- 21 : LVDS Con



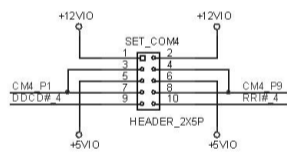
**LVDS Con Pin Definition**

Pin #	Signal Name	Pin #	Signal Name
1	VDD PWR	2	VDD PWR
3	EDID PWR (3V)	4	EDID_CLK
5	EDID_DAT	6	RXINO0-
7	RXINO0+	8	GND
9	RXINO1-	10	RXINO1+
11	GND	12	RXINO2-
13	RXINO2+	14	GND
15	RXINO3-	16	RXINO3+
17	GND	18	RXOCLKIN-
19	RXOCLKIN+	20	GND
21	RXINE0-	22	RXINE0+
23	GND	24	RXINE1-
25	RXINE1+	26	GND
27	RXINE2-	28	RXINE2+
29	GND	30	RXINE3-
31	RXINE3+	32	GND
33	RXECLKIN-	34	RXECLKIN+
35	GND	36	BackLight EN
37	BackLight PWM	38	BackLight PWR
39	BackLight PWR	40	BackLight PWR



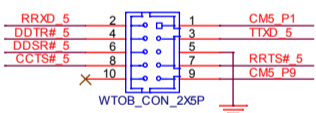
**COM Port PWR Setting headers**

- 22 : For COM Port2
- 23 : For COM Port1
- 27 : For COM Port4
- 28 : For COM Port5
- 29 : For COM Port6

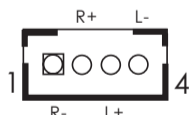


**Internal COM port connectors:**

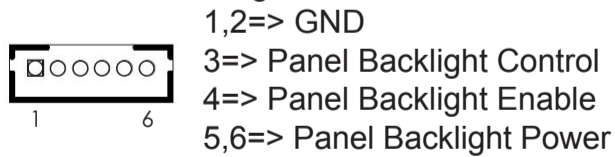
- 30 : COM Port4
- 31 : COM Port5
- 32 : COM Port6



**24 : Speaker connector**

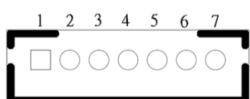


**25 : Panel BackLight Inverter connector**



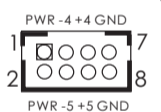
**26 : Panel Brightness and Speaker Volume control**

- Pin definition:
- 1=> Volume\_UP
  - 2=> Volume\_DOWN
  - 3=> PANEL PWR Down
  - 4=> Panel BackLight UP
  - 5=> Panel BackLight Down
  - 6=> GND
  - 7=> GND



**Internal USB connectors**

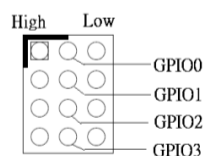
**33 : USB Port4, 5**



**34 : USB Port6**



**37 : Panel resolution selection**



Note: If you want to use BIOS to set Panel type, then set all GPIO[3:0]= "1111".  
If you want to use jumpers to set Panel type, select "Set by Jumper" in BIOS.  
High + GPIOx = 1, Low + GPIOx = 0

**The setting table**

GPIO [3:0]	Selection Name In BIOS	HA (Pixel)	VA (Line)	CD (bit)	Port	BackLight Type	Invert PWM output	Remark
0000	1366x768/18-bit/1-ch/LED	1366	768	6	Single	LED	No	
0001	800x600/18-bit/1-ch/CCFL	800	600	6	Single	CCFL	Yes	
0010	1024x768/24-bit/1-ch/CCFL	1024	768	8	Single	CCFL	Yes	
0011	1280x1024/24-bit/2-ch/CCFL	1280	1024	8	Dual	CCFL	Yes	
0100	1366x768/24-bit/1-ch/CCFL	1366	768	8	Single	CCFL	Yes	
0101	1440x900/24-bit/2-ch/CCFL	1440	900	8	Dual	CCFL	Yes	
0110	1024x600/18-bit/1-ch/LED	1024	600	6	Single	LED	No	
0111	1440x900/24-bit/2-ch/LED	1440	900	8	Dual	LED	No	Default Setting
1000	1280x1024/24-bit/2-ch/LED	1280	1024	8	Dual	LED	No	
1001	1024x768/24-bit/1-ch/LED	1024	768	8	Single	LED	No	
1010	1600x900/18-bit/2-ch/LED	1600	900	6	Dual	LED	No	
1011	1366x768/24-bit/1-ch/LED	1366	768	8	Single	LED	No	
1100	1920x1080/24-bit/2-ch/LED	1920	1080	8	Dual	LED	No	
1101	800x600/24-bit/1-ch/LED	800	600	8	Single	LED	No	
1110	640x480/24-bit/1-ch/LED	640	480	8	Single	LED	No	
1111	1280x800/18-bit/1-ch/LED	1280	800	6	Single	LED	No	

**35 : Panel VDD PWR Setting**

- 1-2: +3.3V
- 2-3: +5V

**36 : Panel BackLight PWR Setting**

- 1-2: +5V
- 2-3: +12V