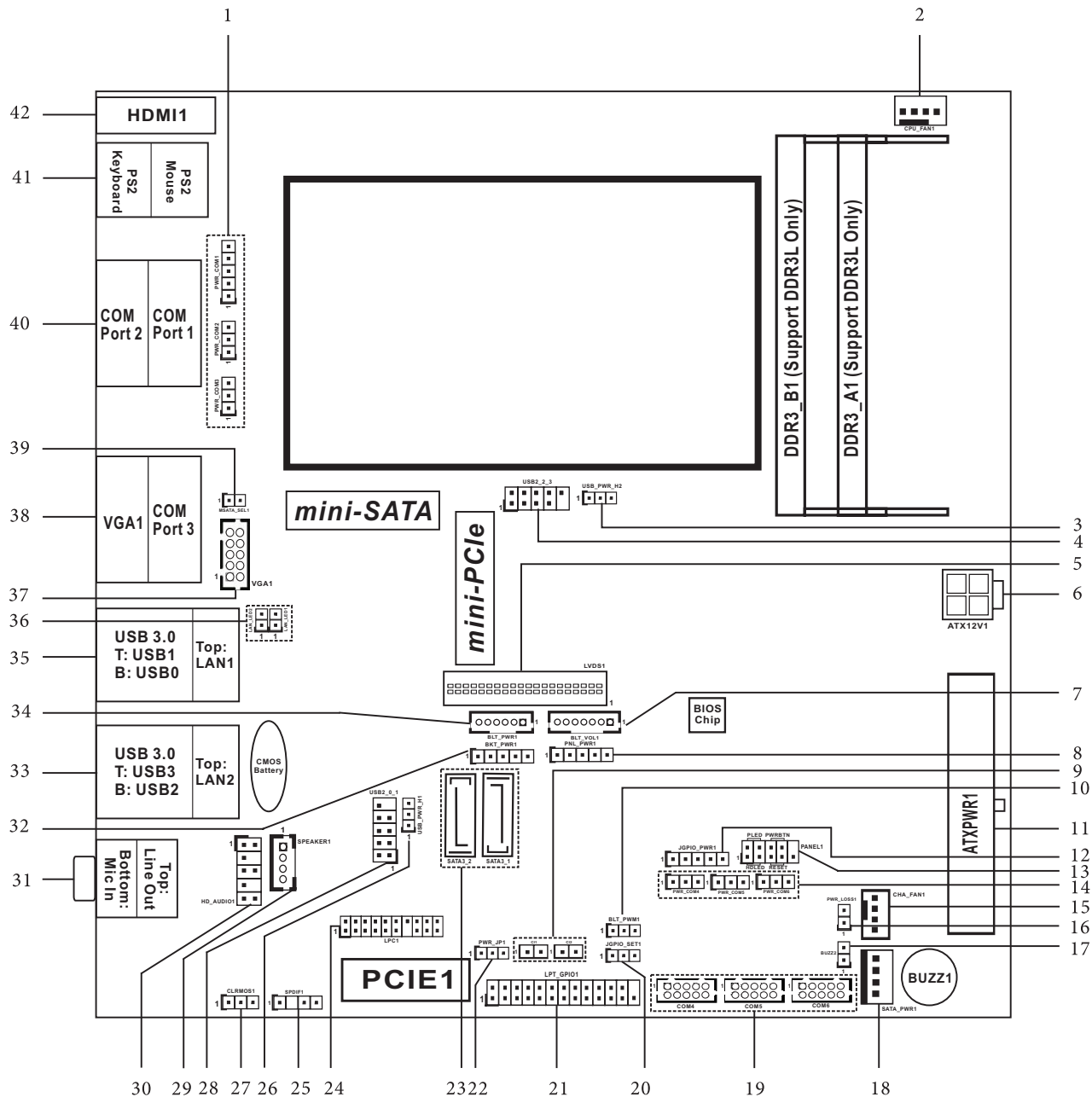
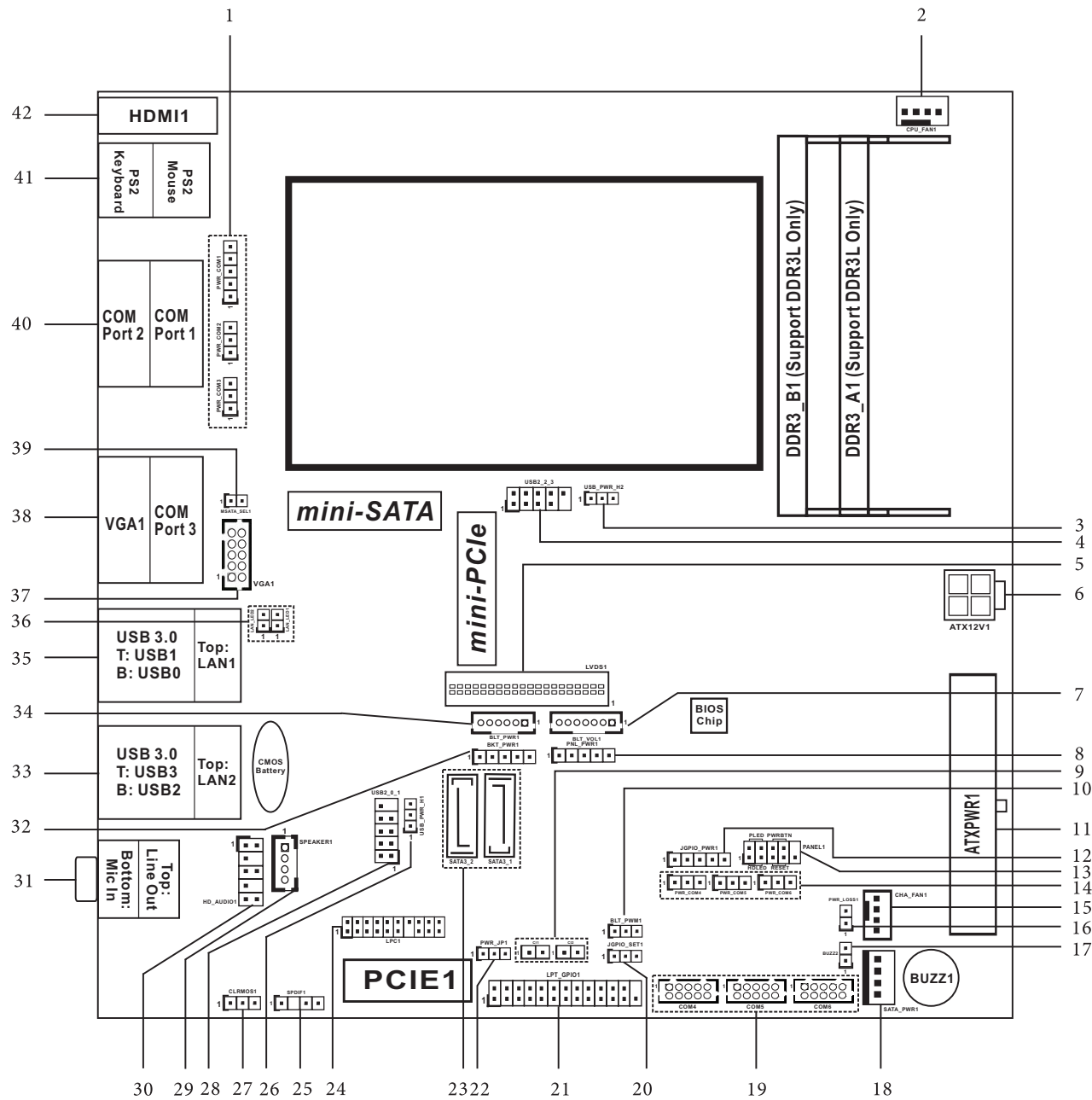




IMB-154

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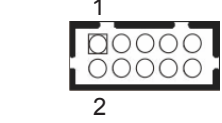


16 : Power Loss Jumper
Open: Power Loss
Close: no Power Loss

17 : 2-Pin Buzzer Header

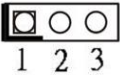
18 : SATA Power Output Connector

19 : COM4, 5, 6 Headers (RS232)

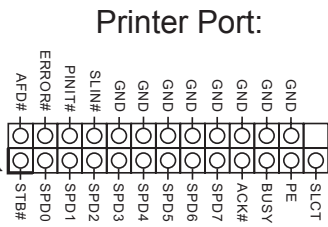


PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name
1	DDCD#	3	TTXD	5	GND	7	RRTS#	9	+5V
2	RRXD	4	DDTR#	6	DDSR#	8	CCTS#	10	+12V

20 : Digital Input / Output Default Value Setting (JGPIO_SET1)
1-2: Pull-High
2-3: Pull-Low



21 : Printer Port / GPIO Header (LPT_GPIO1)



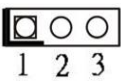
Printer Port:

GPIO:

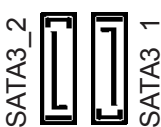
PIN	Signal Name	PIN	Signal Name
26	NC	25	NA
24	GND	23	SIO_GP30
22	GND	21	SIO_GP31
20	GND	19	SIO_GP32
18	GND	17	SIO_GP33
16	GND	15	SIO_GP34
14	GND	13	SIO_GP35
12	JGPIOPWR	11	SIO_GP36
10	JGPIOPWR	9	SIO_GP37
8	SIO_GP43	7	SIO_GP40
6	SIO_GP44	5	SIO_GP41
4	SIO_GP45	3	SIO_GP42
2	SIO_GP46	1	SIO_GP47

* If you want to use the printer port function, please short pin4 and pin5 on Digital Input / Output Power Select (JGPIO_PWR1).

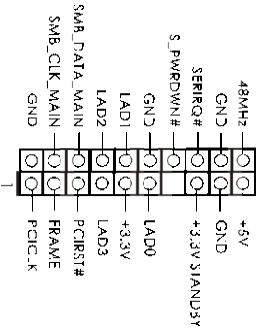
22 : ATX/AT Mode Select
1-2: AT Mode
2-3: ATX Mode



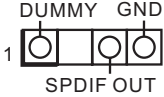
23 : SATA3 Connectors (SATA3_1, SATA3_2)



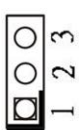
24 : LPC Header



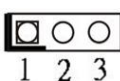
25 : SPDIF Header



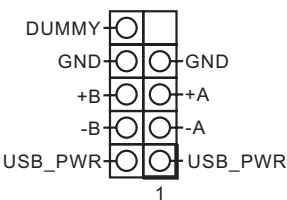
26 : USB2 Power Setting Jumper (for USB2_0_1)
1-2: +5V
2-3: +5VSB



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



28 : USB2.0 Connector (USB2_0_1)

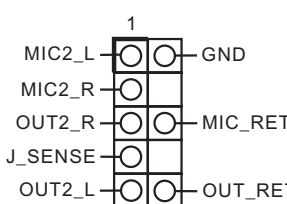


29 : 3W Audio AMP Output Wafer

PIN	Signal Name
1	OUTLN
2	OUTLP
3	OUTRP
4	OUTRN



30 : Front Panel Audio Header



31 : Audio Output
Green – Line Out
Pink – Mic In

32 : Backlight Power Select 1 (LCD_BLT_VCC) (BKT_PWR1)
1-2: LCD_BLT_VCC: +5V
2-3: LCD_BLT_VCC: +12V
4-5: LCD_BLT_VCC: DC_IN



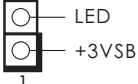
33 : Top: RJ45 LAN Port (LAN2)
Bottom: USB3.0 Ports (USB3_2_3)
34 : Backlight Power Connector (BLT_PWR1)

PIN	Signal Name
1	GND
2	GND
3	BL CTL
4	BL EN
5	LCD_BLT_VCC
6	LCD_BLT_VCC

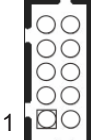


35 : Top: RJ45 LAN Port (LAN1)
Bottom: USB3.0 Ports (USB3_0_1)

36 : LAN LED
LED
+3VSB



37 : VGA Header



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

38 : Top: COM Port 3 (RS232/422/485)*
Bottom: VGA/D-Sub Port
40 : Top: COM Port 1 (RS232/422/485)*
Bottom: COM Port 2 (RS232/422/485)*

* This motherboard supports RS232/422/485 on COM1~3 ports. Please refer to below table for the pin definition. In addition, COM1~3 ports (RS232/422/485) can be adjusted in BIOS setup utility > Advanced Screen > Super IO Configuration. You may refer to our user manual for details.

COM1~3 Ports Pin Definition

PIN	RS232	RS422	RS485
1	DCD	TX-	RTX-
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	COM1: +5V/+12V/+5VSB COM2, 3: +5V/+12V	COM1: +5V/+12V/+5VSB COM2, 3: +5V/+12V	COM1: +5V/+12V/+5VSB COM2, 3: +5V/+12V

39 : mSATA Select
Open: For SATA3_2
Close: For mSATA



41 : Top (Green) – PS/2 Mouse Port
Bottom (Purple) – PS/2 Keyboard Port
42 : HDMI Port