

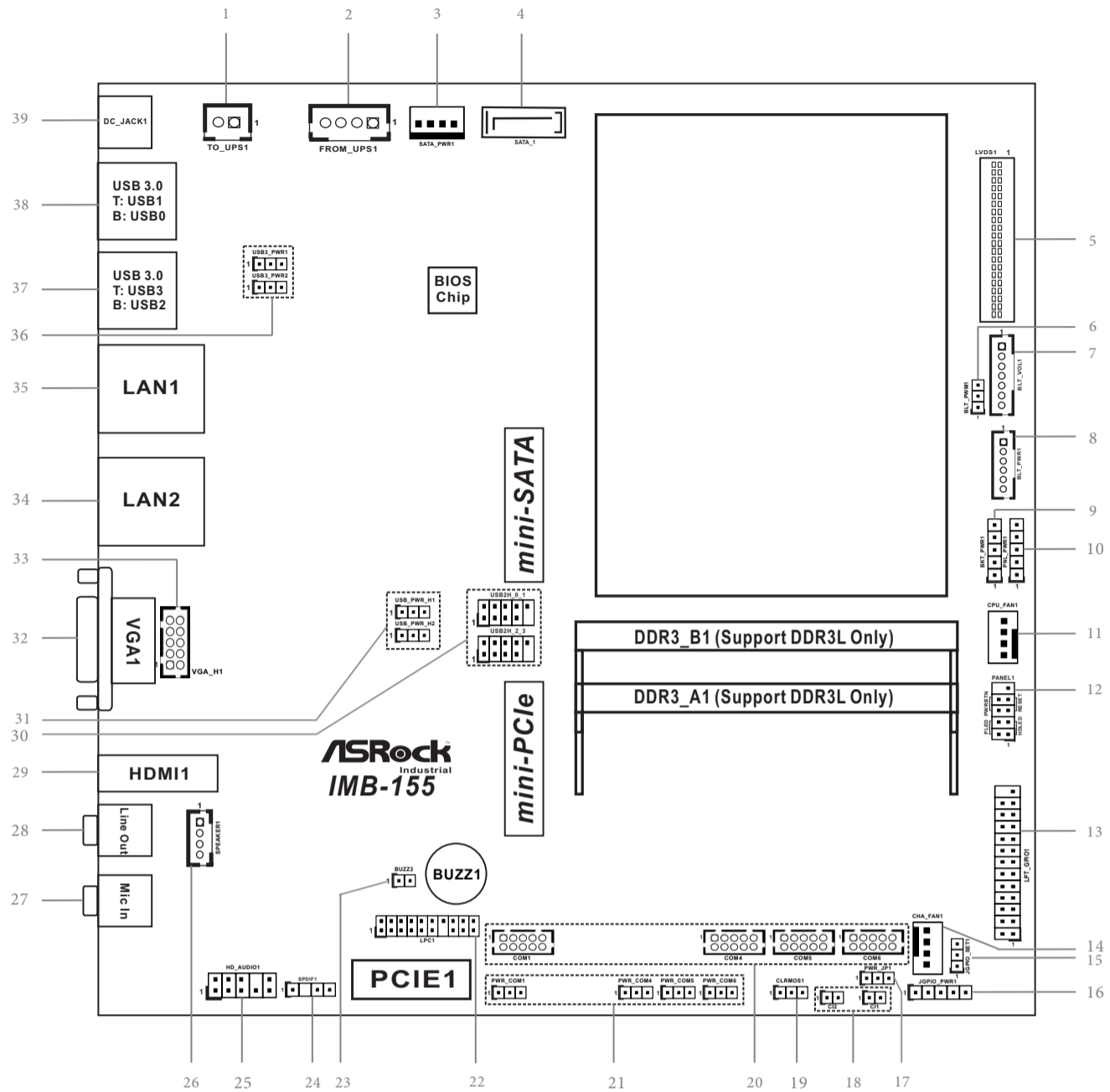


P/N: 15G06M028001AK V1.1

ASRock Jumpers and Headers Setting Guide

IMB-155

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1 : 2-pin UPS Module Power Input Connector

Pin1: GND
Pin2: DC Input

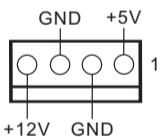


2 : ATX Power Connector
(Input +12V & +19V~+24V)

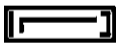
1-4: GND
2-3: DC Input



3 : SATA Power Output Connector

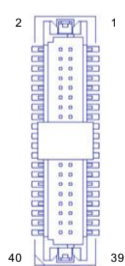


4 : SATA3 Connector (SATA_1)



5 : LVDS Panel Connector

PIN	Signal Name	PIN	Signal Name
2	LCD_VCC	1	LCD_VCC
4	LDDC_CLK	3	+3.3V
6	LVDS_A_DATA0#	5	LDDC_DATA
8	GND	7	LVDS_A_DATA0
10	LVDS_A_DATA1	9	LVDS_A_DATA1#
12	LVDS_A_DATA2#	11	GND
14	GND	13	LVDS_A_DATA2
16	LVDS_A_DATA3	15	LVDS_A_DATA3#
18	LVDS_A_CLK#	17	GND
20	GND	19	LVDS_A_CLK
22	LVDS_B_DATA0	21	LVDS_B_DATA0#
24	LVDS_B_DATA1#	23	GND
26	GND	25	LVDS_B_DATA1
28	LVDS_B_DATA2	27	LVDS_B_DATA2#
30	LVDS_B_DATA3#	29	DPLVDD_EN
32	GND	31	LVDS_B_DATA3
34	LVDS_B_CLK	33	LVDS_B_CLK#
36	CON_LBKL_T_EN	35	GND
38	LCD_BLT_VCC	37	CON_LBKL_CTL
40	LCD_BLT_VCC	39	LCD_BLT_VCC



7 : Backlight Volume Control (BLT_VOL1)

PIN	Signal Name
1	GPIO_VOL_UP
2	GPIO_VOL_DW
3	PWRDN
4	LVDS1 BLUP
5	LVDS1 BLDW
6	GND
7	GND



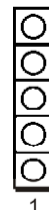
8 : Backlight Power Connector (BLT_PWR1)

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



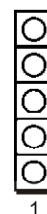
9 : Backlight Power Select (LCD_BLT_VCC) (BKT_PWR1)

1-2: LCD_BLT_VCC: +5V
2-3: LCD_BLT_VCC: +12V
4-5: LCD_BLT_VCC: DC_IN



10 : Panel Power Selection (LCD_VCC) (PNL_PWR1)

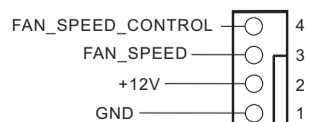
1-2: LVDD: +3V
2-3: LVDD: +5V
4-5: LVDD: +12V



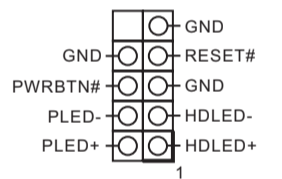
6 : BLT_PWM1
1-2: +3V Level
2-3: +5V Level



11 : 4-Pin CPU FAN Connector (+12V)

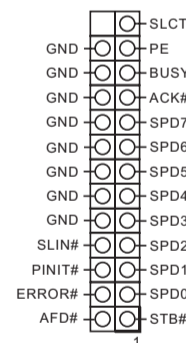


12 : System Panel Header



13 : Printer Port / GPIO Header (LPT_GPIO1)

Printer Port:

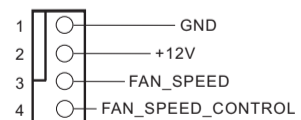


GPIO:

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	JGPIO_PWR	11	SIO_GP36
10	JGPIO_PWR	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

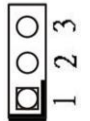
* If you want to use the printer port function, please short pin4 and pin5 on Digital Input / Output Power Select (JGPIO_PWR1).

14 : 4-Pin Chassis FAN Connector (+12V)



15 : Digital Input / Output Default Value Setting (JGPIO_SET1)

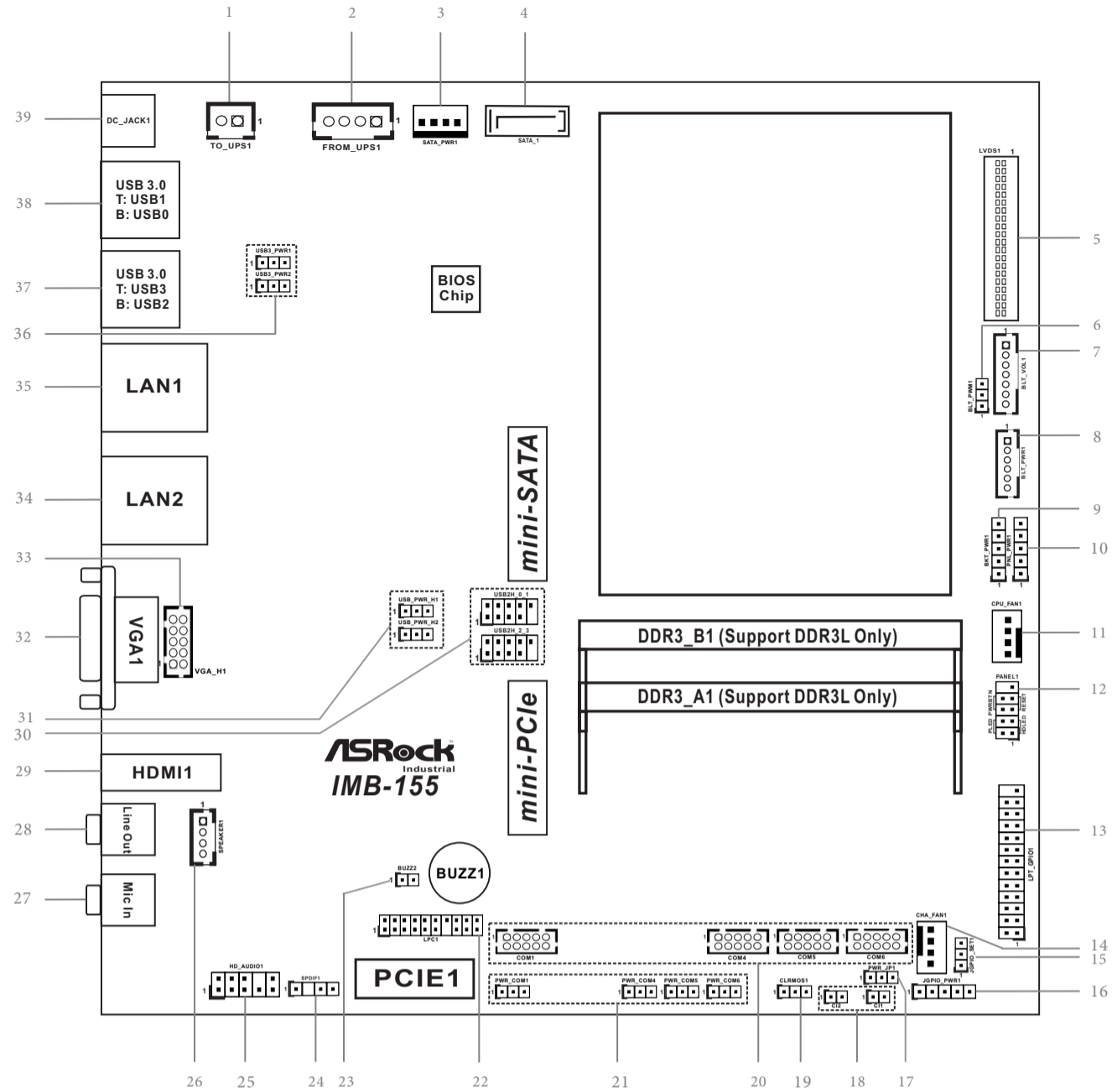
1-2: Pull-High
2-3: Pull-Low

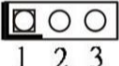



16 : Digital Input / Output Power Select

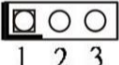
1-2: +12V
2-3: +5V
3-4: +5V
4-5: GND

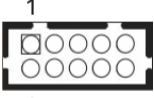




17 : ATX/AT Mode Select 
 1-2: AT Mode
 2-3: ATX Mode

18 : Chassis Intrusion Headers 
 C11:
 Close: Active Case Open
 Open: Normal
 C12:
 Close: Normal
 Open: Active Case Open

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

20 : COM1 Header (RS232/422/485)* 

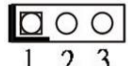
* This motherboard supports RS232/422/485 on COM1 port.
 Please refer to below table for the pin definition. In addition, COM1 port (RS232/422/485) can be adjusted in BIOS setup utility > Advanced Screen > Super IO Configuration. You may refer to our user manual for details.

COM1 Port 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	+5V/+12V	+5V/+12V	+5V/+12V
10	NC	NC	NC

COM4, 5, 6 Headers (RS232)

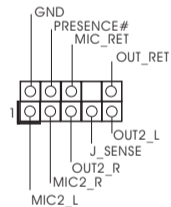
PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name
1	DDCD#	3	TTXD	5	GND	7	RRTS#	9	+5V/+12V
2	RRXD	4	DDTR#	6	DDSR#	8	CCTS#	10	NC

21 : COM Port PWR Setting Jumpers
 PWR_COM1, 4, 5, 6 (For COM Port1, 4, 5, 6)
 1-2: +5V 
 2-3: +12V

22 : LPC Header

23 : Buzzer 
 24 : SPDIF Header
 DUMMY GND
 1 SPDIF OUT

25 : Front Panel Audio Header

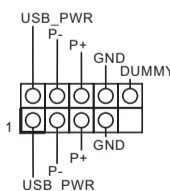


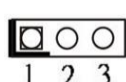
26 : 3W Audio AMP Output Wafer

PIN	Signal Name
1	OUTLN
2	OUTLP
3	OUTRP
4	OUTRN

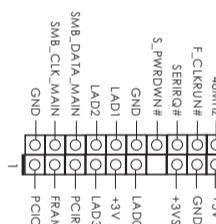
27 : Audio Output: Pink – Mic In
 28 : Audio Output: Green – Line Out
 29 : HDMI Port


30 : USB2.0 Connectors (USB2H_0_1, USB2H_2_3)



31 : USB Power Setting Jumpers
 1-2: +5V
 2-3: +5VSB 

32 : VGA Port



33 : 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

34 : RJ45 LAN Port (LAN2)
 35 : RJ45 LAN Port (LAN1)

36 : USB3 Power Setting Jumpers
 1-2: +5V
 2-3: +5VSB

37 : USB3.0 Ports (USB3_2_3)
 38 : USB3.0 Ports (USB3_0_1)
 39 : DC Jack