

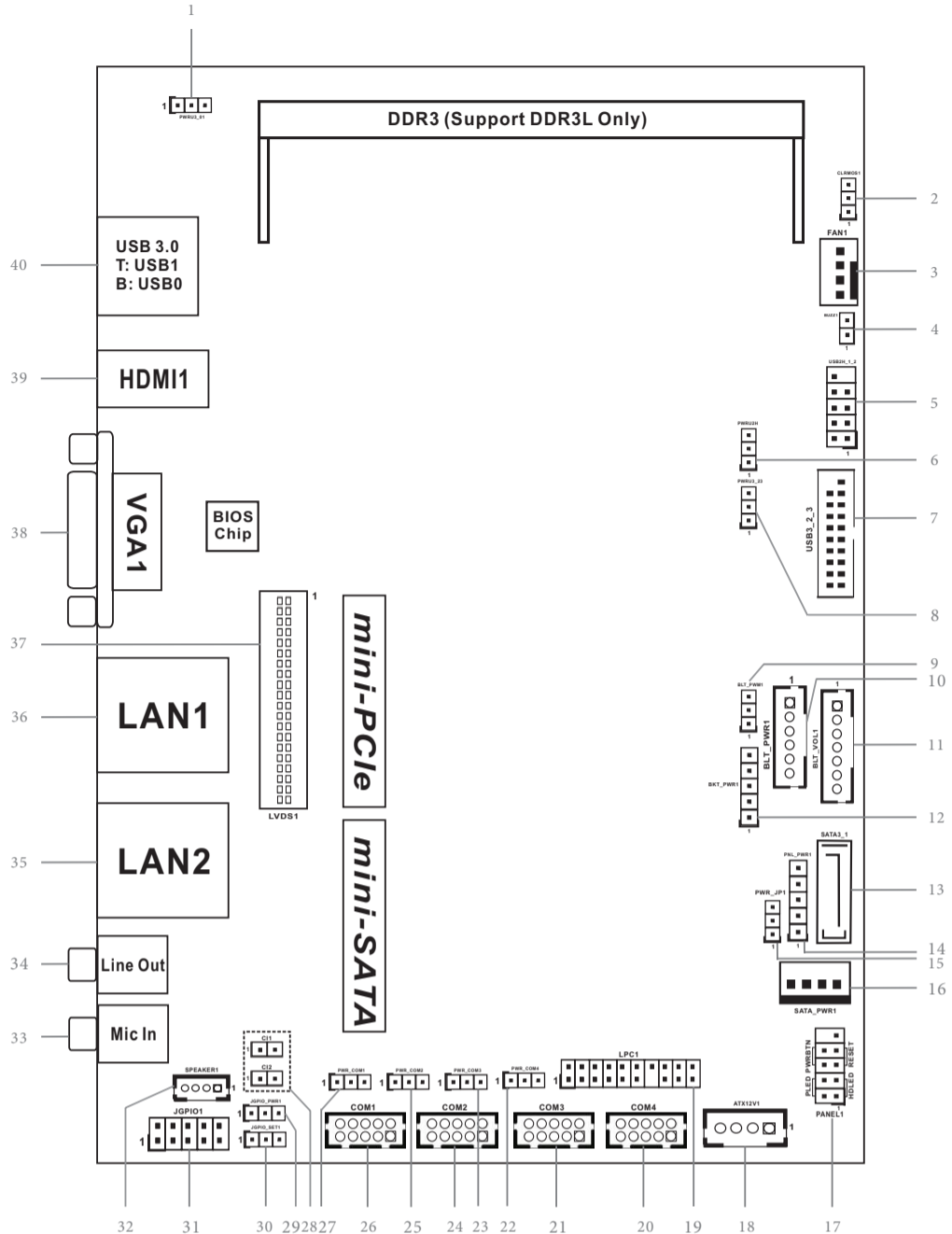


P/N: 15G06M03000AK V1.0

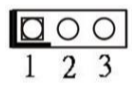
ASRock® Jumpers and Headers Setting Guide

SBC-220

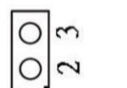
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1 : USB3 Power Setting Jumper (for USB3_0_1)
1-2: +5V
2-3: +5VSB



8 : USB3 Power Setting Jumper (for USB3_2_3)
1-2: +5V
2-3: +5VSB



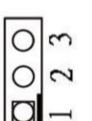
13 : SATA3 Connector (SATA3_1)



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



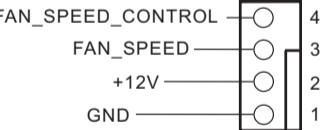
9 : Backlight Control Level (BLT_PWM1)
1-2 : +3V
2-3 : +5V



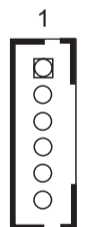
14 : Panel Power Selection (LCD_VCC) (PNL_PWR1)
1-2 : +3V
2-3 : +5V
3-4 : +5V
4-5 : +12V



3 : 4-Pin FAN Connector (+12V)
FAN_SPEED_CONTROL
FAN_SPEED
+12V
GND

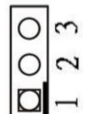


10 : Inverter Power Control Wafer (BLT_PWR1)



PIN	Signal Name
1	GND
2	GND
3	CON_LBKLCT_CTL
4	CON_LBKLCT_EN
5	LCD_BLT_VCC
6	LCD_BLT_VCC

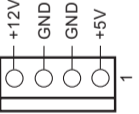
15 : ATX/AT Mode Select
1-2 : AT Mode
2-3 : ATX Mode



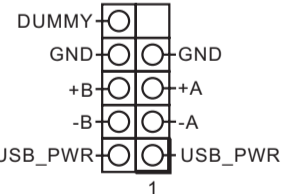
4 : 2-Pin Buzzer Header
SPKR
+5V



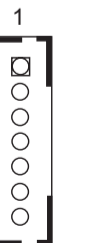
16 : SATA Power Output Connector



5 : USB2.0 Header (USB2H_1_2)
DUMMY
GND
+B
-B
USB_PWR

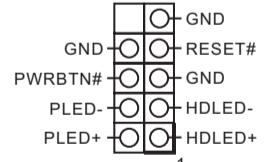


11 : Backlight & Amp Volume Control (BLT_VOL1)

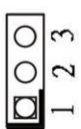


PIN	Signal Name
1	GPIO_VOL_UP
2	GPIO_VOL_DW
3	PWRDN
4	GPIO_BLT_UP
5	GPIO_BLT_DW
6	GND
7	GND

17 : System Panel Header



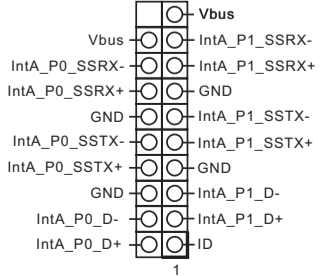
6 : USB2 Power Setting Jumper (for USB2H_1_2)
1-2: +5V
2-3: +5VSB



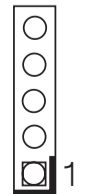
18 : ATX Power Connector (Input 12V)
1-4 : GND
2-3 : DC Input



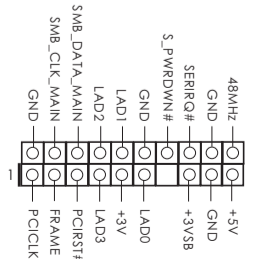
7 : USB3.0 Header (USB3_2_3)

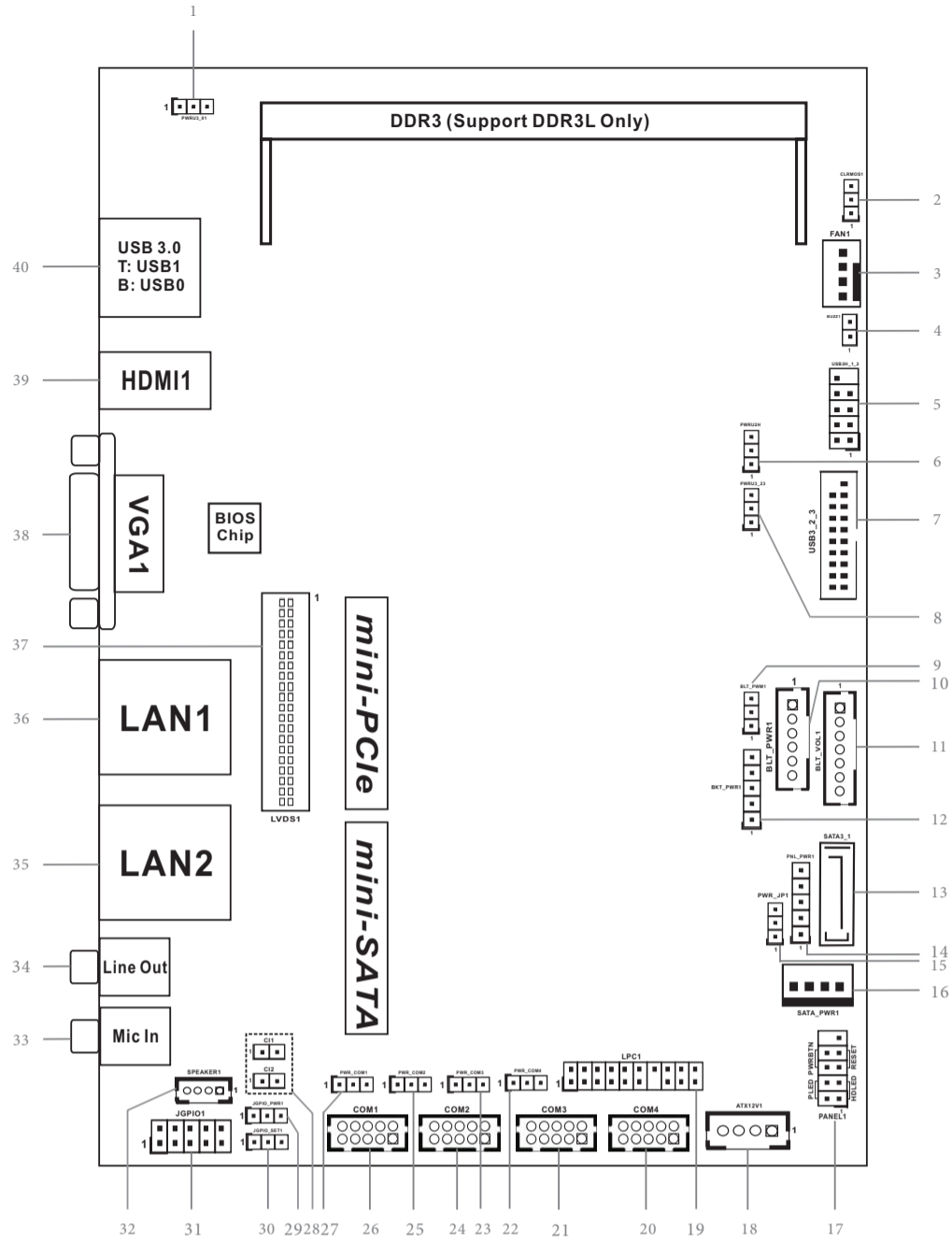


12 : Backlight Power Select (LCD_BLT_VCC) (BKT_PWR1)
1-2 : +5V
2-3 : +12V
3-4 : +12V
4-5 : DC_IN Power



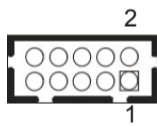
19 : LPC Header





COM1, 2, 3, 4 Headers

- 26 : COM4
- 24 : COM3
- 21 : COM2
- 20 : COM1



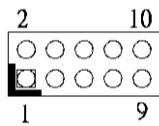
PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name
10	DUMMY	8	CCTS#	6	DDSR#	4	DDTR#	2	RRXD
9	COM_PWR	7	RRTS#	5	GND	3	TTXD	1	DDCD#

* 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	NA/+5V/+12V	N/A	N/A

31 : Digital Input / Output Pin Header



PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name
2	SIO_GP20	4	SIO_GP21	6	SIO_GP22	8	SIO_GP23	10	GND
1	SIO_GP24	3	SIO_GP25	5	SIO_GP26	7	SIO_GP27	9	JGPIO_PWR

38 : VGA Port (VGA1)

39 : HDMI Port (HDMI1)

40 : USB3.0 Ports (USB3_0_1)

32 : 3W Audio AMP Output Wafer



PIN	Signal Name	PIN	Signal Name	PIN	Signal Name	PIN	Signal Name
4	SPK R+	3	SPK R-	2	SPK L-	1	SPK L+

33 : Audio Output: Pink – Mic In

34 : Audio Output: Green – Line Out

35 : LAN Port (LAN2)

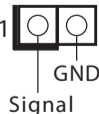
36 : LAN Port (LAN1)

COM Port Pin9 PWR Setting Jumpers

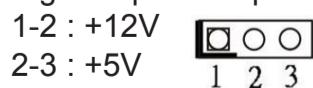
- 22 : PWR_COM4 (For COM Port4)
- 23 : PWR_COM3 (For COM Port3)
- 25 : PWR_COM2 (For COM Port2)
- 27 : PWR_COM1 (For COM Port1)



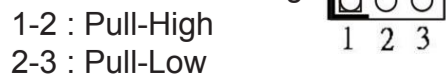
28 : Chassis Intrusion Headers (CI1, CI2)



29 : Digital Input / Output Power Select



30 : GPIO Default Setting



37 : 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

