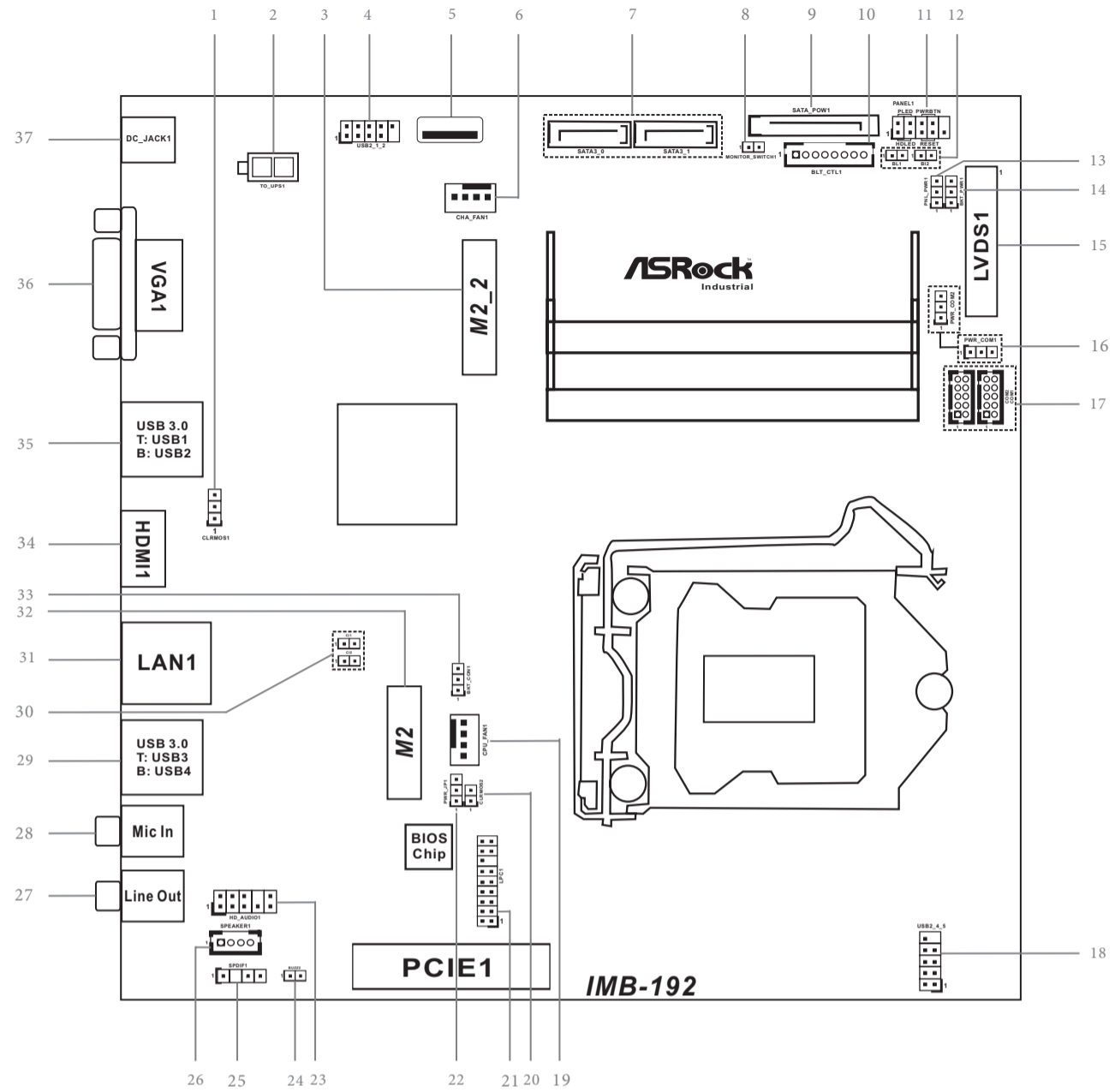




ASRock Jumpers and Headers Setting Guide

IMB-192

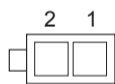
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1 : Clear CMOS Header
1-2: Normal
2-3: Clear CMOS



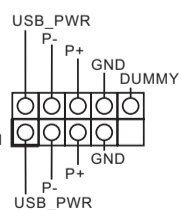
2 : 2-pin UPS Module Power Input Connector
Pin1: GND
Pin2: DC Input



3 : M.2 (Key-M)

Pin#	Signal#	Signal#	Pin#
1#	GND#	+3.3V#	2#
3#	GND#	+3.3V#	4#
5#	NA#	NA#	6#
7#	NA#	NA#	8#
9#	GND#	SATA_LED#	10#
11#	NA#	+3.3V#	12#
13#	NA#	+3.3V#	14#
15#	GND#	+3.3V#	16#
17#	NA#	+3.3V#	18#
19#	NA#	NA#	20#
21#	GND#	NA#	22#
23#	NA#	NA#	24#
25#	NA#	NA#	26#
27#	GND#	NA#	28#
29#	NA#	NA#	30#
31#	NA#	NA#	32#
33#	GND#	NA#	34#
35#	NA#	NA#	36#
37#	NA#	DEVSLP#	38#
39#	GND#	SMB_CLK#	40#
41#	SATA-B#	SMB_DATA#	42#
43#	SATA-B#	NA#	44#
45#	GND#	NA#	46#
47#	SATA-A#	NA#	48#
49#	SATA-A#	PERST#	50#
51#	GND#	CLKREQ#	52#
53#	PEFCLK#	WAKE#	54#
55#	PEFCLK#	NA#	56#
57#	GND#	NA#	58#
67#	NA#	SUSCLK#	68#
69#	PEDET#	+3.3V#	70#
71#	GND#	+3.3V#	72#
73#	GND#	+3.3V#	74#
75#	GND#	#	#

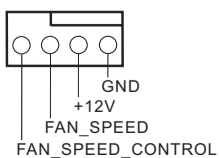
4 : USB2.0 Header (USB2_1_2)



5 : USB2.0 Port



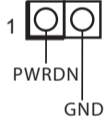
6 : 4-Pin Chassis FAN Connector (+12V)



7 : SATA3 Connectors (SATA3_0, SATA3_1)



8 : Monitor Switch Header



9 : SATA Power Output Connector

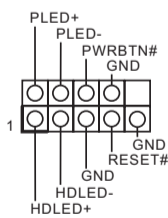


10 : Backlight Control (BLT_CTL1)

PIN	Signal Name
1	CON_LBKLT_EN
2	CON_LBKLT_CTL
3	LCD_BLT_VCC
4	LCD_BLT_VCC
5	GND
6	GND
7	GPIO_BLT_UP
8	GPIO_BLT_DW



11 : System Panel Header



12 : BL1
Open: Protect LCD_BLT_VCC
Short: No Protect LCD_BLT_VCC
BL2
Open: Protect LCD_VCC
Short: No Protect LCD_VCC



13 : Panel Power Select (PNL_PWR1)

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



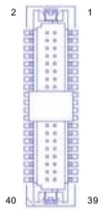
14 : Backlight Power Select (BKT_PWR1)

1-2: +19V
2-3: +12V



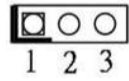
15 : LVDS Panel Connector

PIN	Signal Name	PIN	Signal Name
2	LCD_VCC	1	LCD_VCC
4	LDCC_CLK	3	+3.3V
6	LVDS_A_DATA0#	5	LDCC_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_LBKLT_EN	35	GND
38	LCD_BLT_VCC	37	CON_LBKLT_CTL
40	LCD_BLT_VCC	39	LCD_BLT_VCC



16 : COM Port Pin9 PWR Setting Jumpers
PWR_COM1 (For COM Port1)

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



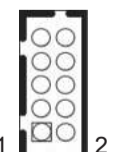
PWR_COM2 (For COM Port2)

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

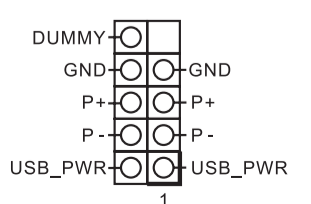


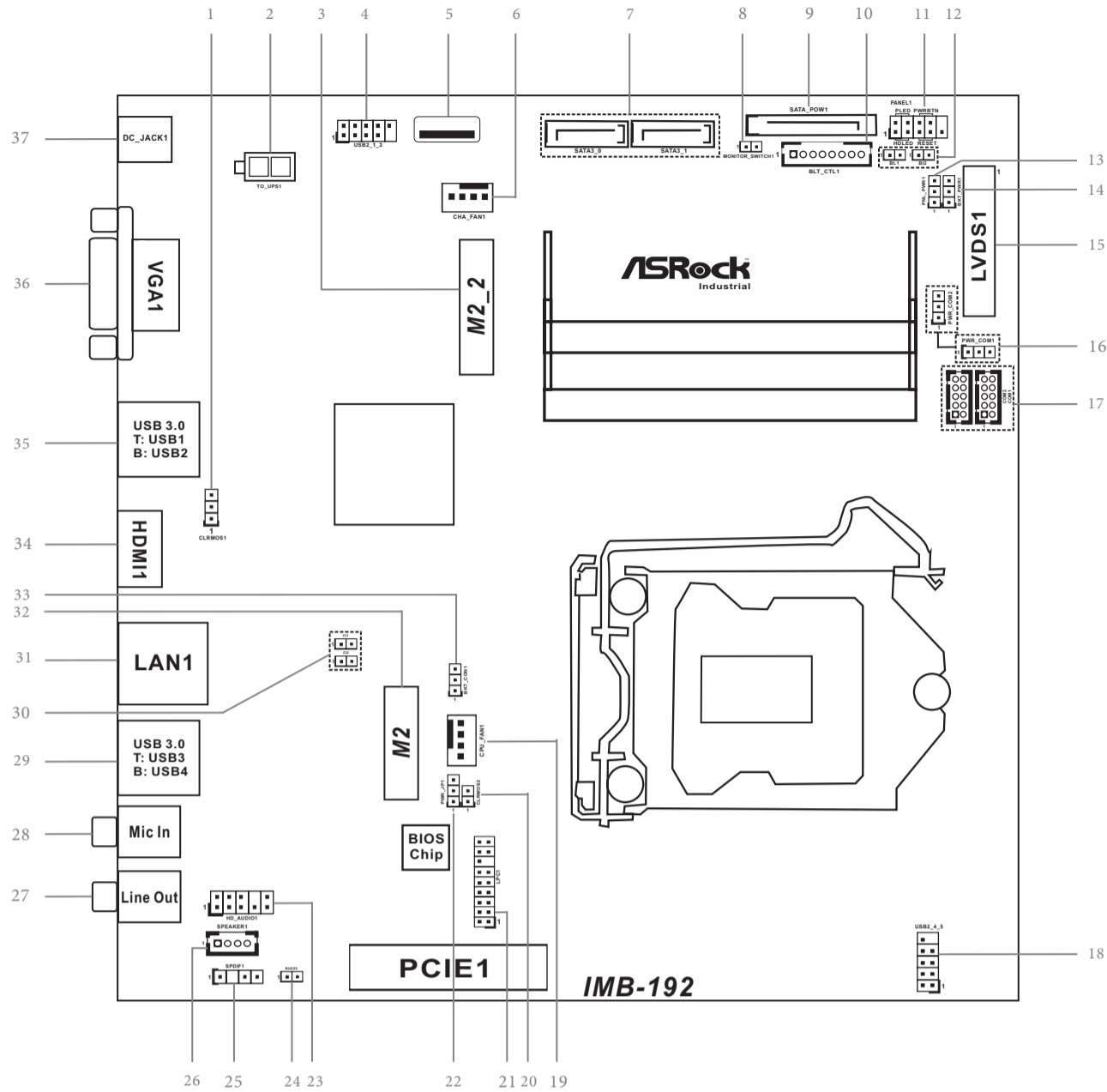
17 : COM Port Headers (COM1, COM2) (RS232)

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

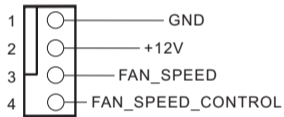


18 : USB2.0 Header (USB2_4_5)





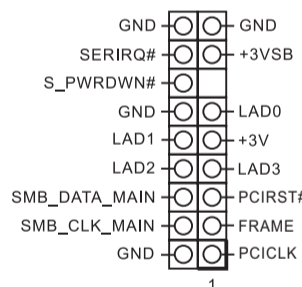
19 : 4-Pin CPU FAN Connector (+12V)



20 : Clear CMOS Jumper
Open: Normal
Short: Auto Clear CMOS (Power Off)



21 : LPC Header

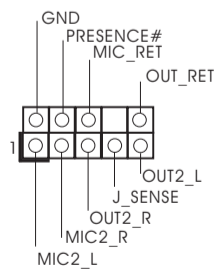


22 : ATX/AT Mode Jumper (PWR_JP1)

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



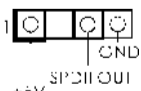
23 : Front Panel Audio Header



24 : Buzzer



25 : SPDIF Header

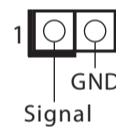


26 : 3W Audio AMP Output Wafer



29 : USB3.0 Ports (USB3_3_4)

30 : Chassis Intrusion Headers
CI1:
Close: Active Case Open
Open: Normal
CI2:
Close: Normal
Open: Active Case Open



31 : RJ45 LAN Port (LAN1)

32 : M.2 (Key-E)

Pin#	Signal#	Signal#	Pin#
1#	GND#	+3.3V#	2#
3#	USB_D-#	+3.3V#	4#
5#	USB_D+	NA#	6#
7#	GND#	NA#	8#
9#	NA#	NA#	10#
11#	NA#	NA#	12#
13#	NA#	NA#	14#
15#	NA#	NA#	16#
17#	NA#	GND#	18#
19#	NA#	NA#	20#
21#	NA#	NA#	22#
23#	NA#	#	
33#	GND#	NA#	32#
35#	PET#	NA#	34#
37#	PET#	NA#	36#
39#	GND#	NA#	38#
41#	PER#	NA#	40#
43#	PER#	NA#	42#
45#	GND#	NA#	44#
47#	PEFCLK#	NA#	46#
49#	PEFCLK#	NA#	48#
51#	GND#	SUSCLK#	50#
53#	CLKREQ#	PERST0#	52#
55#	WAKE#	W_DISABLE#	54#
57#	GND#	W_DISABLE#	56#
59#	NA#	SMB_DATA#	58#
61#	NA#	SMB_CLK#	60#
63#	GND#	NA#	62#
65#	NA#	NA#	64#
67#	NA#	NA#	66#
69#	GND#	NA#	68#
71#	NA#	NA#	70#
73#	NA#	+3.3V#	72#
75#	GND#	+3.3V#	74#

33 : Backlight Control Select (BKT_CON1)

1-2: Control by PCH
2-3: Control by CHRONTEL CH7511B



34 : HDMI Port (HDMI1)

35 : USB3.0 Ports (USB3_1_2)

36 : VGA Port (VGA1)

37 : DC Jack

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

Audio Jacks

27 : Green - Line Out

28 : Pink - Mic In