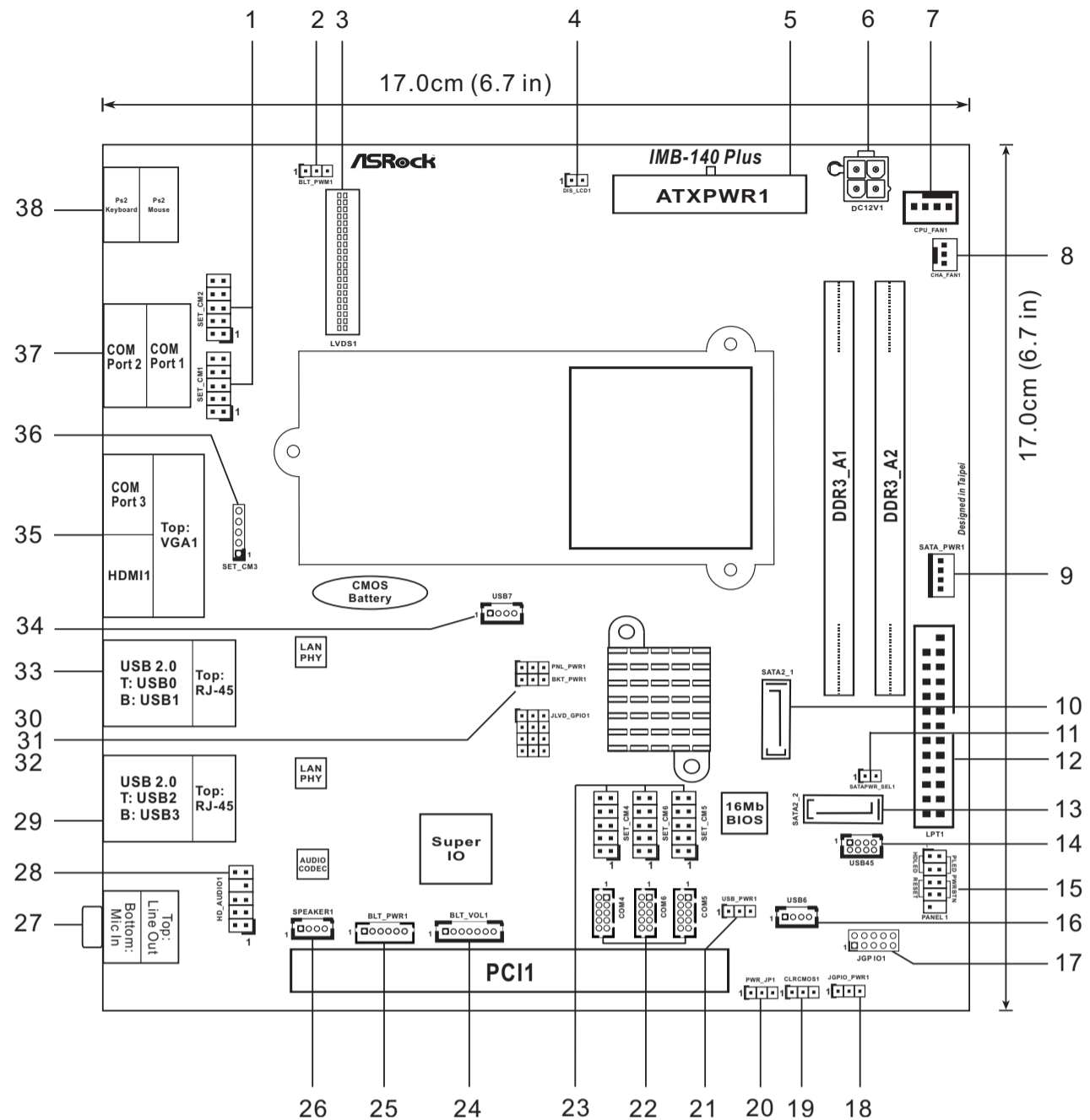


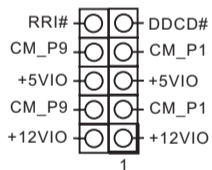
ASRock Jumpers and headers setting guide

IMB-140 Plus



COM Port PWR Setting Headers

- 1 : SET_CM2 (For COM Port2)
- 1 : SET_CM1 (For COM Port1)
- 23 : SET_CM4 (For COM Port4)
- 23 : SET_CM6 (For COM Port6)
- 23 : SET_CM5 (For COM Port5)



2 : BLT_PWM1 (CON_LBKLCT_CTL)

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

3 : LVDS Connector

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

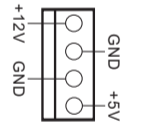
4 : DIS_LCD1

- Open : Enable LVDS Panel
- Short : Disable LVDS Panel

5 : 20-Pin ATX PWR In

- 6 : 4-Pin ATX PWR In (+12V)
- 7 : 4-Pin CPU FAN Con (+12V)
- 8 : 3-Pin Chassis FAN Con (+12V)

9 : SATA Power Output Connector



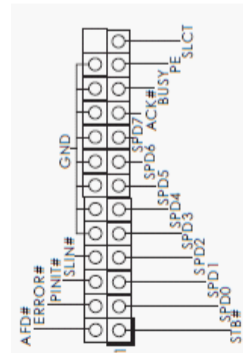
SATA2 Connectors

- 10 : SATA2_1
- 13 : SATA2_2

11 : SATAPWR_SEL1

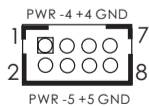
- Open : SATA2_2 pin7 = NC
- Short : SATA2_2 pin7 = +5V

12 : Printer Port Header



Internal USB Connectors

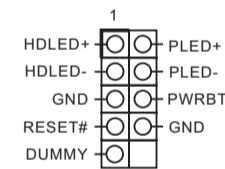
- 14 : USB Port4, 5



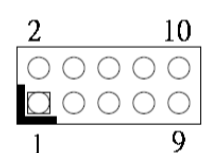
- 16 : USB Port6
- 34 : USB Port7



15 : System Panel Control Header (White)



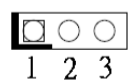
17 : Digital I/O Header GPIO from Super I/O



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

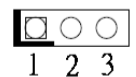
18 : Digital I/O Header PWR Setting

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



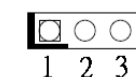
19 : Clear CMOS Header

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



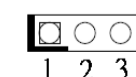
20 : PWR-On Mode Setting

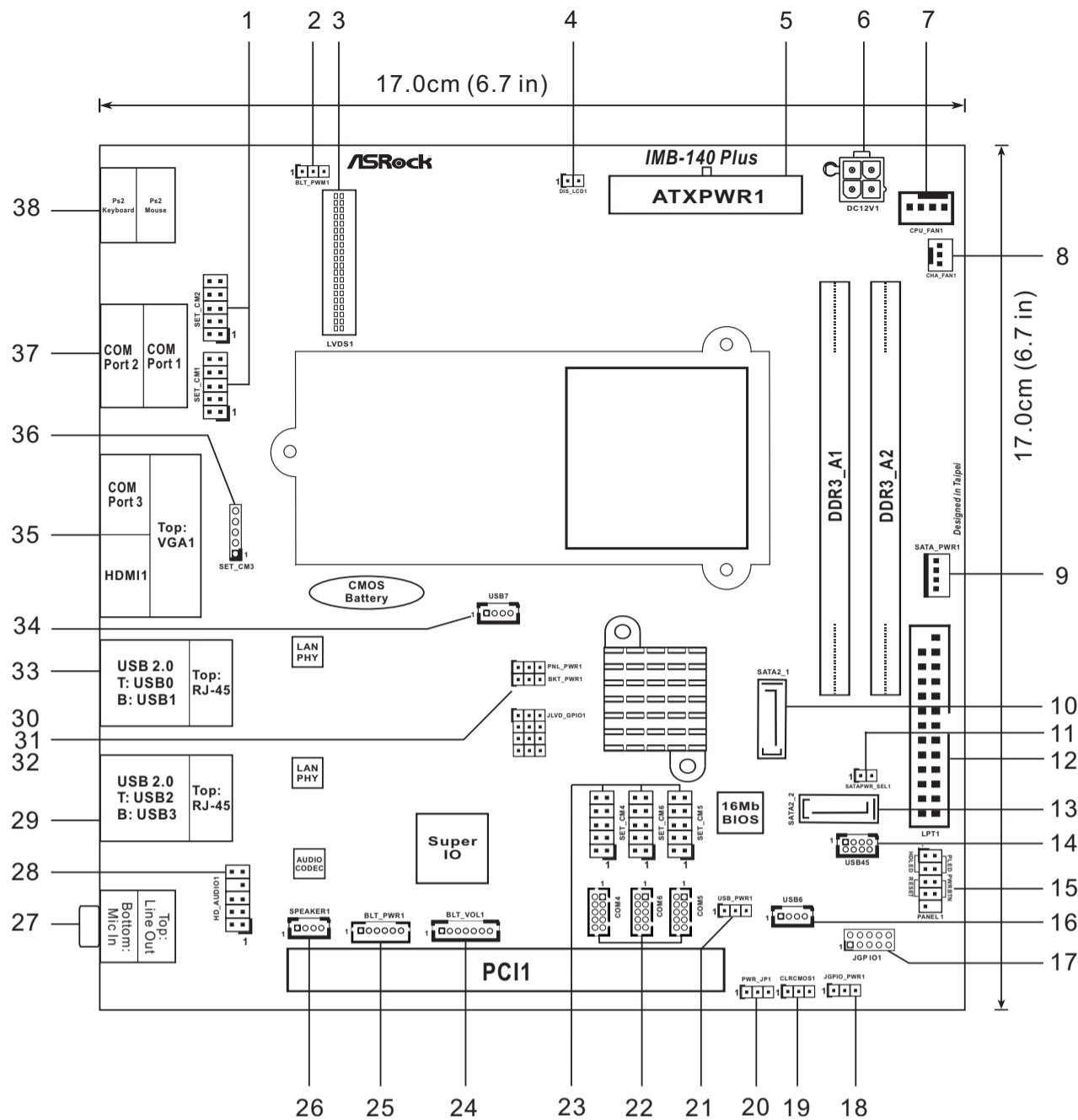
- 1-2 : AT Mode
- 2-3 : ATX Mode



21 : USB_PWR1

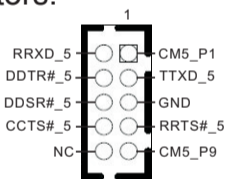
- 1-2 : +5V
- 2-3 : +5V Standby





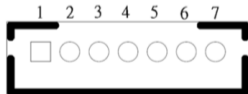
Internal COM Port Connectors:

- 22 : COM4 (COM Port4)
- 22 : COM6 (COM Port6)
- 22 : COM5 (COM Port5)



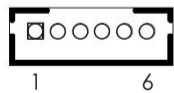
24 : Panel Brightness and Speaker Volume Control

- Pin definition: 1=> Volume_UP
 2=> Volume_DOWN
 3=> PANEL PWR Down
 4=> Panel BackLight UP
 5=> Panel BackLight Down
 6=> GND
 7=> GND

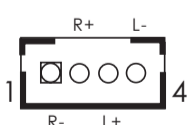


25 : Panel BackLight Inverter Connector

- 1,2=> GND
 3=> CON_LBKLT_CTL
 4=> CON_LBKLT_EN
 5,6=> LCD_BLT_VCC

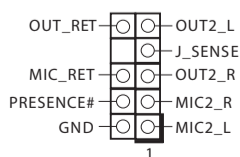


26 : Speaker Connector



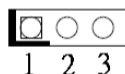
27 : Audio Out Put
 Green – Line Out
 Pink – Mic In

28 : Front Panel Audio Header (White)

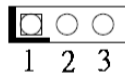


29 : Top : RJ45 LAN Port
 Bottom : USB2.0 (USB23)

- 30 : Panel VDD PWR Setting (LCD_VCC)**
 1-2: +3.3V
 2-3: +5V

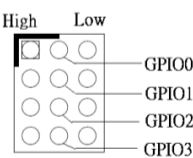


- 31 : Panel BackLight PWR Setting (LCD_BLT_VCC)**
 1-2: +5V
 2-3: +12V



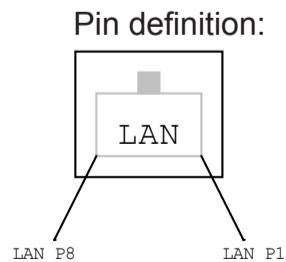
32 : Panel Resolution Selection

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.



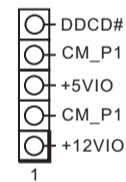
33 : Top : RJ45 LAN Port
 Bottom : USB2.0 (USB01)

- 35 : Top : VGA/D-Sub Port**
 Bottom right : HDMI Port
 Bottom left : COM Port 3 – RS232 Only



- Pin definition: 1=> DDCD#
 2=> RRRXD
 3=> TTXD
 4=> DDTR#
 5=> GND
 6=> DDSR#
 7=> RRTS#
 8=> CCTS#

36 : COM Port PWR Setting Header (SET_CM3 (For COM Port3))



- 37 : Higher: COM Port 1 – RS232/422/485**
 Lower: COM Port 2 – RS232 Only
38 : Higher (Green) – PS/2 Mouse
 Lower (Purple) – PS/2 Keyboard