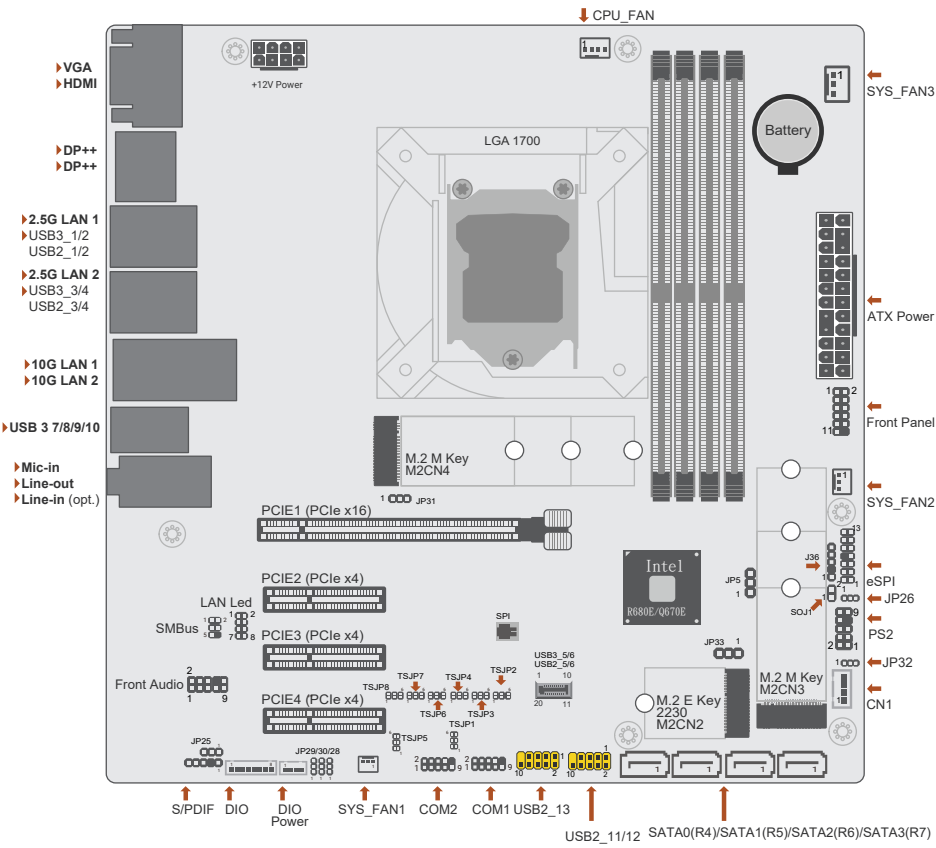


Board Layout and Jumper Settings



Clear CMOS Data	JP5
Normal (default)	1-2 On
Clear CMOS Data	2-3 On

PS/2 and USB Wake up select	JP25
Control by BIOS (default)	1-2 On
Wake up disable	2-3 On

AT/ATX Mode Select	JP26
AT mode (default)	1-2 On
ATX mode	2-3 On

DIO power select(5V_DIO)	JP28
5VDU(default)	1-2 On
5V	2-3 On

DIO0~3 power select	JP29
5V_DIO(default)	1-2 On
GND	2-3 On

DIO4~7 power select	JP30
5V_DIO(default)	1-2 On
GND	2-3 On

M2CN4 Power Select	JP31
3V3(default)	1-2 On
3V3DU	2-3 On

M2CN3 Power Select	JP32
3V3(default)	1-2 On
3V3DU	2-3 On

M.2 E Key Power Select	JP33
3V3DU(default)	1-2 On
3V3	2-3 On

M2CN3 Power Select	JP32
3V3(default)	1-2 On
3V3DU	2-3 On

M.2 E Key Power Select	JP33
3V3DU(default)	1-2 On
3V3	2-3 On

Power Selection COM1	TSJP1
RS232 Standard (default)	1-3/2-4 On
RS232 with Power	3-5/4-6 On

Selection for COM1	TSJP2
RS232 (default)	1-3/2-4 On
RS422	3-5/4-6 On
RS485	3-5/2-4 On

Power Selection COM2	TSJP5
RS232 Standard (default)	1-3/2-4 On
RS232 with Power	3-5/4-6 On

Selection for COM1	TSJP3/TSJP4
RS232 (default)	1-3/2-4 On
RS422	3-5/4-6 On
RS485	3-5/4-6 On

Selection for COM2	TSJP6
RS232 (default)	1-3/4-6 On
RS422	3-5/4-6 On
RS485	3-5/4-6 On

Selection for COM2	TSJP7/TSJP8
RS232 (default)	1-3/2-4 On
RS422	3-5/4-6 On
RS485	3-5/4-6 On

Pin Assignment

J34 Digital I/O (DIO)

Pin	Function
1	DIO0
2	DIO1
3	DIO2
4	DIO3
5	DIO4
6	DIO5
7	DIO6
8	DIO7

J33 Digital I/O (DIO) Power

Pin	Function
1	12V
2	GND
3	5VDU
4	5V

J7 SYSTEM FAN1

Pin	Function
1	GND
2	PWM
3	TACH

J22 SYSTEM FAN2

Pin	Function
1	GND
2	PWM
3	TACH

J30 SYSTEM FAN3

Pin	Function
1	GND
2	PWM
3	TACH

J8 CPU FAN

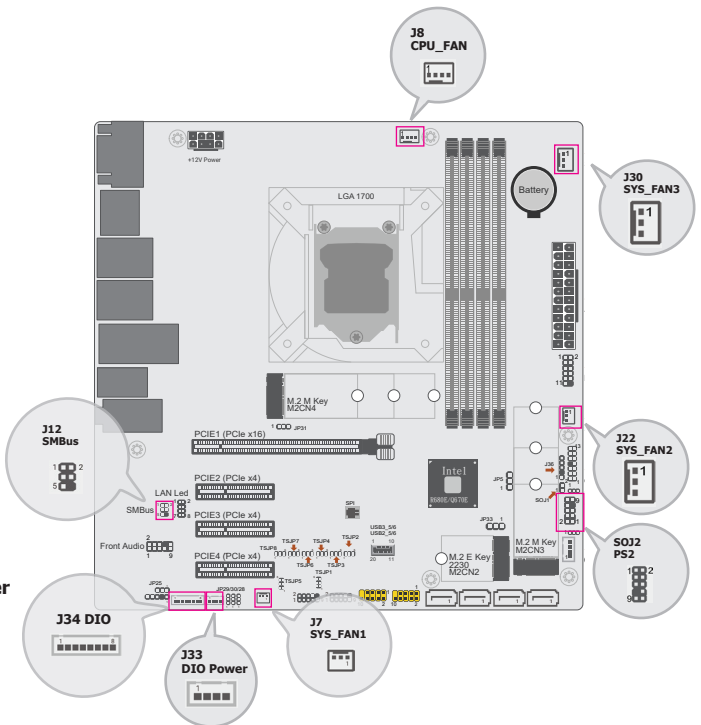
Pin	Function
1	GND
2	12V
3	RPM
4	CTRL

J12 SMBus Header

Pin	Function	Pin	Function
1	3V3DU	2	GND
3	SMB_CLK	4	SMB_DATA
5	SMB_ALERT-		

SOJ2 PS2

Pin	Function	Pin	Function
1	PS2_KCLK	2	PS2_MCLK
3	PS2_KDAT	4	PS2_MDAT
5	GND	6	GND
7	--	8	GND
9	BVCC	10	BVCC



TSJ2 COM2

Pin	Function	Pin	Function
1	X_MDCD2-	2	MSIN2- COM
3	MSO2- COM	4	MDTR2- COM
5	GND	6	MDSR2-
7	MRTS2-	8	MCTS2-
9	X_MRI2-		

AUJ2 Front Audio

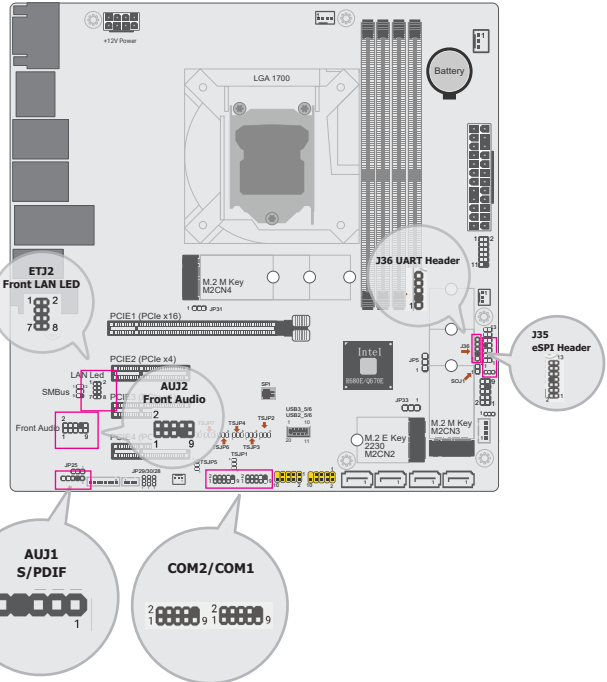
Pin	Function	Pin	Function
1	MIC2-L	2	GND
3	MIC2-R	4	--
5	LINE2-R	6	MIC2-JD
7	GND	8	--
9	LINE2-L	10	LINE2-JD

TSJ1 COM1

Pin	Function	Pin	Function
1	X_MDCD1-	2	MSIN1- COM
3	MSO1- COM	4	MDTR1- COM
5	GND	6	MDSR1-
7	MRTS1-	8	MCTS1-
9	X_MRI1-		

J35 ESPI Header

Pin	Function	Pin	Function
1	3V3SB_1	2	ESPI_CLK
3	ESPI_RST#	4	GND_1
5	ESPI_ALT#	6	GND_2
7	ESPI_D0		
9	ESPI_D1	10	ESPI_CS
11	ESPI_D2	12	3V3SB_2
13	ESPI_D3	14	3V3SB_3



J36 UART Header

Pin	Function
1	GND
2	NC
3	VCC
4	CPU TX
5	CPU RX

AUJ1 S/PDIF

Pin	Function
1	A5V
2	--
3	SPOUT
4	GND
5	SPIN

ETJ2 Front LAN LED

Pin	Function	Pin	Function
1	LED_SPEED_1000#	2	LED_SPEED_1000#
3	GBE_LED_LINK_ACT#	4	3V3DU
5	LED_SPEED_2500#_2	6	LED_SPEED_1000#2
7	GBE_LED_LINK_ACT#_2	8	3V3DU

UBJ1 USB 3.0 Headers

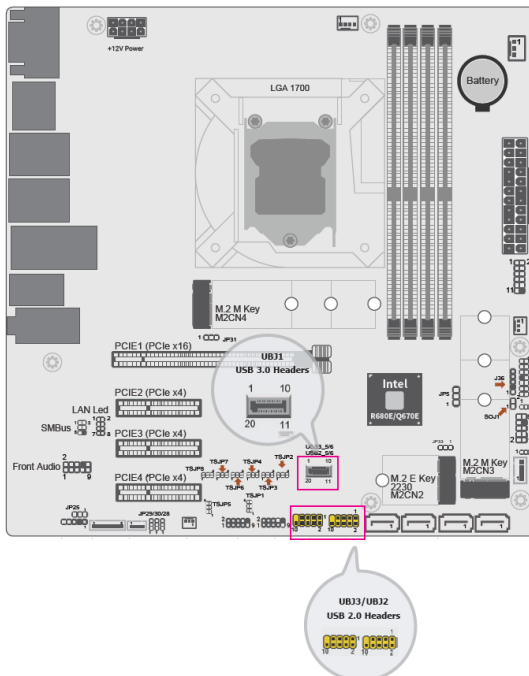
Pin	Function	Pin	Function
10	SBV3	11	GND
9	USBP_C_5N	12	USB3_TX6_DN
8	USBP_C_5P	13	USB3_TX6_DP
7	GND	14	GND
6	USB3_RX5_DN	15	USB3_RX6_DN
5	USB3_RX5_DP	16	USB3_RX6_DP
4	GND	17	GND
3	USB3_TX5_DN	18	USBP_C_6P
2	USB3_TX5_DP	19	USBP_C_6N
1	GND	20	SBV3

UBJ2 USB 2.0 Headers

Pin	Function	Pin	Function
1	SBV6	2	SBV6
3	USBP_C_11N	4	USBP_C_12N
5	USBP_C_11P	6	USBP_C_12P
7	GND	8	GND
		10	N.C

UBJ3 USB 2.0 Headers

Pin	Function	Pin	Function
1	SBV6	2	SBV6
3	USBP_C_13N	4	N.C
5	USBP_C_13P	6	N.C
7	GND	8	GND
		10	N.C



J31 SATA0

Pin	Function
1	GND
2	TXP
3	TXN
4	GND
5	RXN
6	RXP
7	GND

J17 SATA2

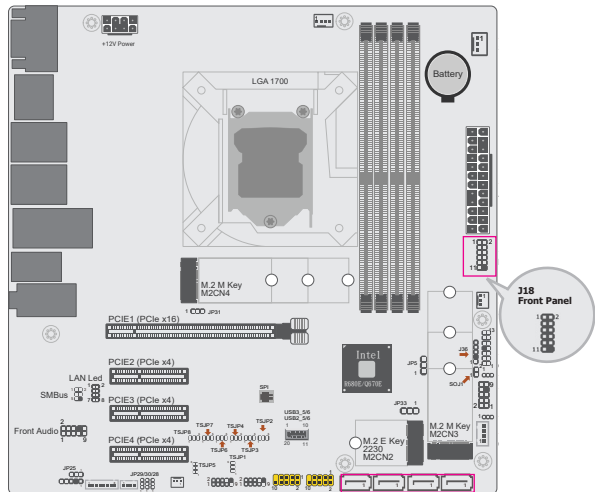
Pin	Function
1	GND
2	TXP
3	TXN
4	GND
5	RXN
6	RXP
7	GND

J32 SATA1

Pin	Function
1	GND
2	TXP
3	TXN
4	GND
5	RXN
6	RXP
7	GND

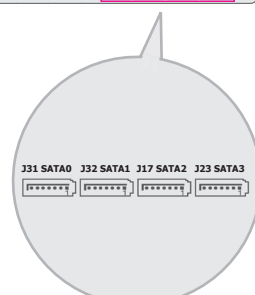
J23 SATA3

Pin	Function
1	GND
2	TXP
3	TXN
4	GND
5	RXN
6	RXP
7	GND



J18 Front Panel

Pin	Assignment	Pin	Assignment
1	NC	2	V_SUS_LED
3	3V3	4	V_SUS_LED
5	HDD_LED	6	SUS_LED
7	GND	8	GND
9	SYS_RST-	10	PWR_BTN-
11	NC	12	---



DFI reserves the right to change the specifications at any time prior to the product's release. This QR may be based on the product's revision. For more documentation and drivers, please visit the download page at www.dfi.com/downloadcenter, or via the QR codes to the right.

