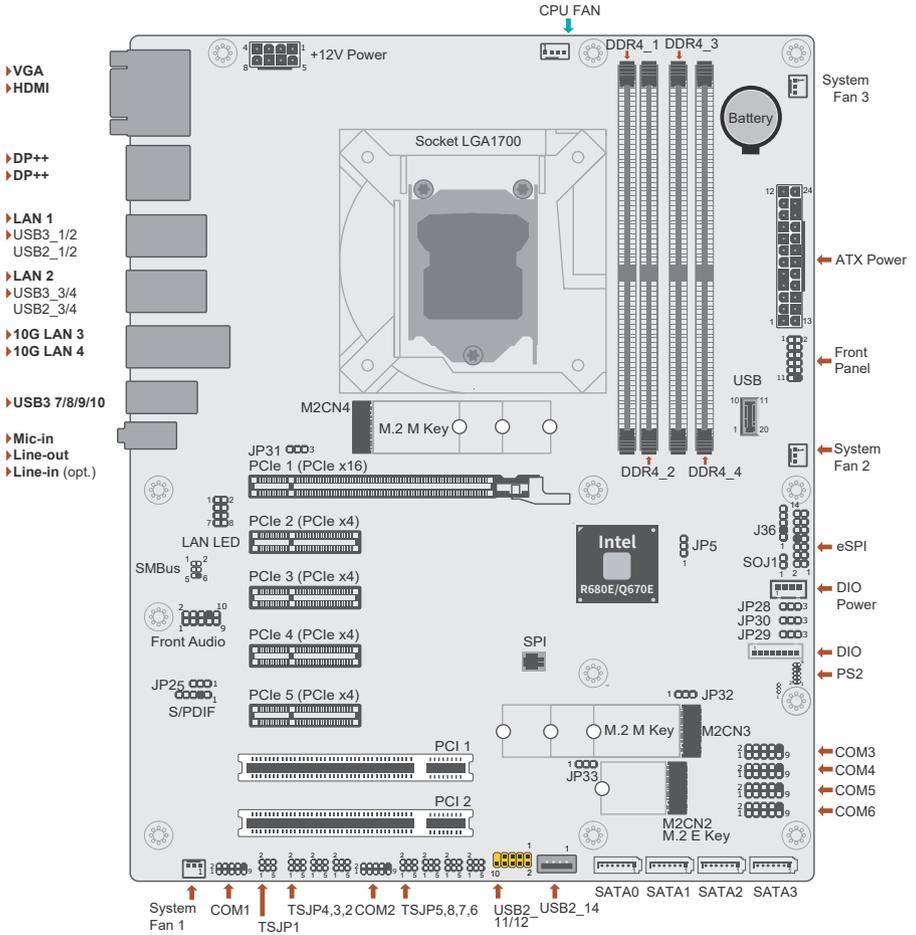


Board Layout and Jumper Settings



Clear CMOS Data **JP5**

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

Power Selection COM 1 **TSJP1**

RS232 Standard (default)	1-3 / 2-4
RS232 with Power	3-5 / 4-6

DIO0~3 power select **JP29**

5V_DIO(default)	1-2 On
GND	2-3 On

PS/2 and USB Wake up select **JP25**

Control by BIOS (default)	1-2 On
Wake up disable	2-3 On

DIO power select(5V_DIO) **JP28**

5VDU(default)	1-2 On
5V	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

M2CN2 power select	JP33
3V3DU(default)	1-2 On
3V3	2-3 On

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

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

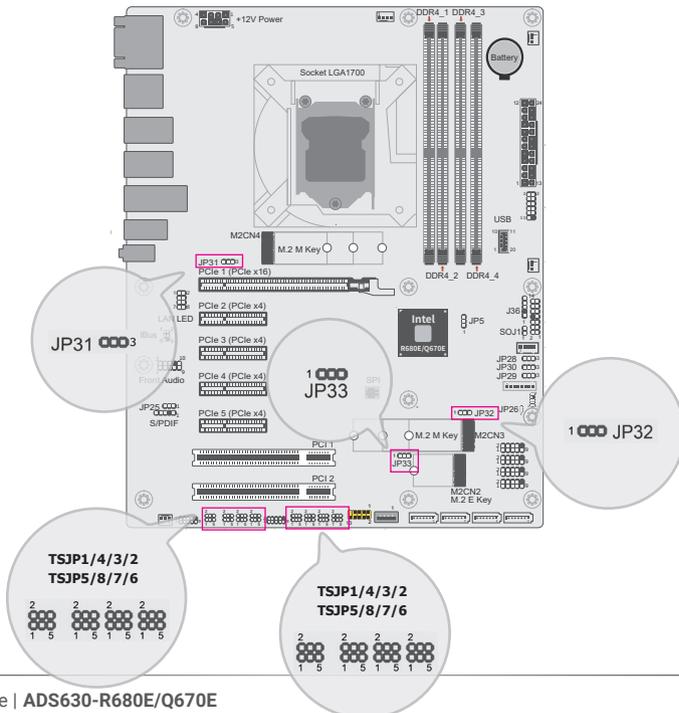
Selection for COM 1	TSJP4
RS232 (default)	1-3 / 2-4
RS422	3-5 / 4-6
RS485	3-5 / 4-6

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

Selection for COM 2	TSJP6
RS232 (default)	1-3 / 4-6
RS422	3-5 / 4-6
RS485	3-5 / 2-4

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

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



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

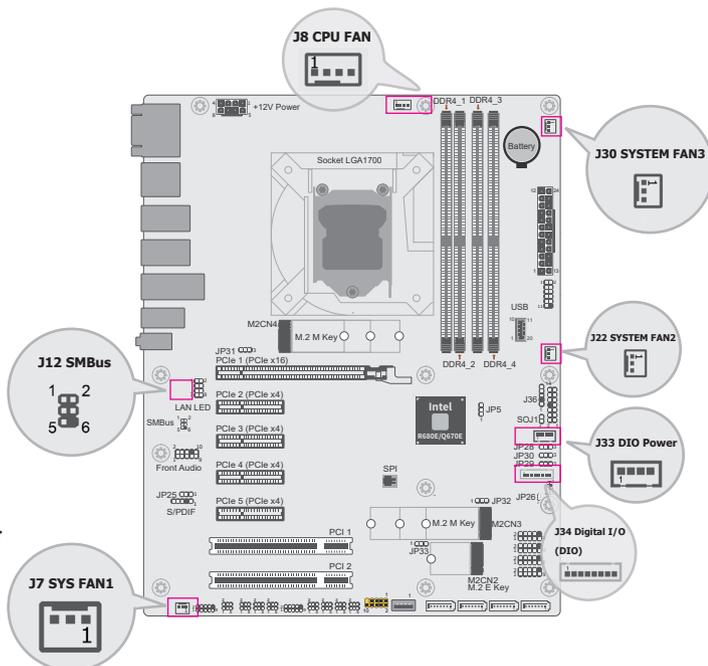
Pin	Function
1	GND
2	PWM
3	TACH

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-		



J11 COM3

Pin	Function	Pin	Function
1	MDCD-	2	MSIN-
3	MSO-	4	MDTR-
5	GND	6	MDSR-
7	MRTS-	8	MCTS-
9	MRI-		

J13 COM4

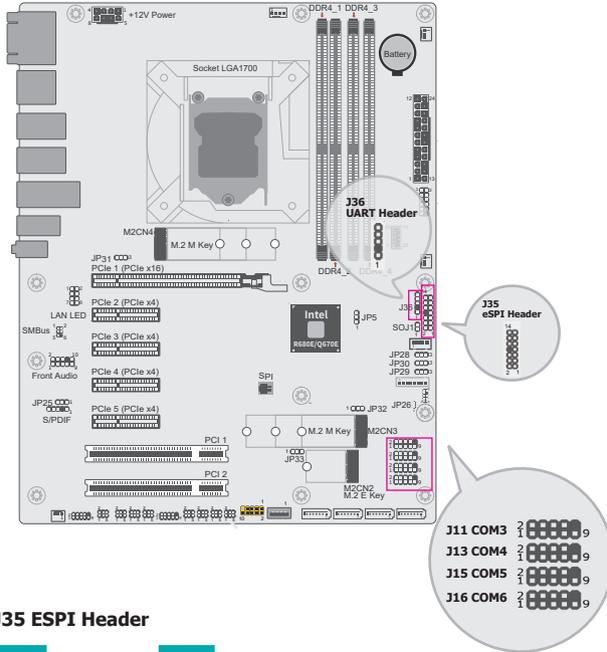
Pin	Function	Pin	Function
1	MDCD-	2	MSIN-
3	MSO-	4	MDTR-
5	GND	6	MDSR-
7	MRTS-	8	MCTS-
9	MRI-		

J15 COM5

Pin	Function	Pin	Function
1	MDCD-	2	MSIN-
3	MSO-	4	MDTR-
5	GND	6	MDSR-
7	MRTS-	8	MCTS-
9	MRI-		

J16 COM6

Pin	Function	Pin	Function
1	MDCD-	2	MSIN-
3	MSO-	4	MDTR-
5	GND	6	MDSR-
7	MRTS-	8	MCTS-
9	MRI-		



J35 eSPI Header

Pin	Function	Pin	Function
1	3V3SB	2	ESPI_CLK
3	ESPI_RESET#	4	GND
5	ESPI_ALT#	6	GND
7	ESPI_D0		
9	ESPI_D1	10	ESPI_CS
11	ESPI_D2	12	3V3SB
13	ESPI_D3	14	3V3SB

J36 UART Header

Pin	Function
1	GND
2	NC
3	3V3SB
4	UART_TX
5	UART_RX

J31 SATA0

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

J17 SATA2

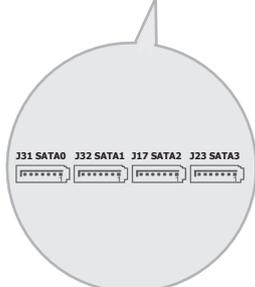
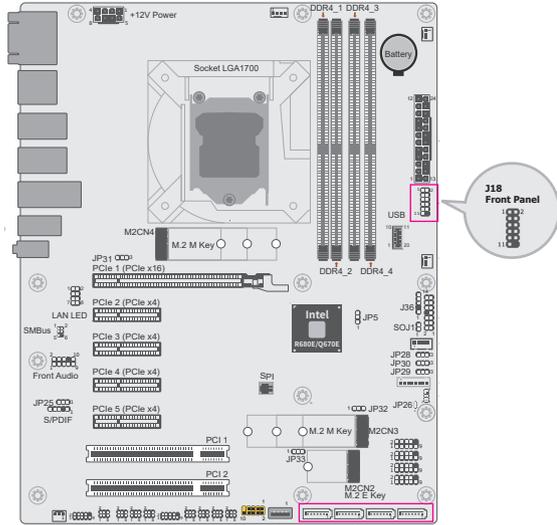
Pin	Function
1	GND
2	TXP
3	TXN
4	GND
5	RXN
6	RXP
7	GND

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

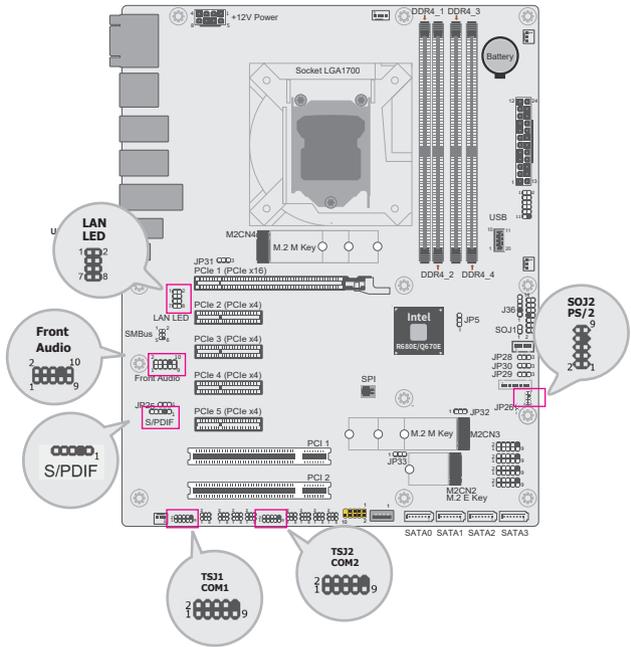
Pin	Assignment	Pin	Assignment
1	NC	2	V_SUS_LED
3	3V3	4	V_SUS_LED
5	HDD_LED	6	SUS_LED
7	GND	8	GND
9	SYS_RST-	10	PWR_BTN-
11	NC	12	---

AUJ1 S/PDIF

Pin	Function
1	5V
2	--
3	SPDIF-OUT
4	GND
5	SPDIF-IN

AUJ2 Front Audio

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



ETJ2 Front LAN LED

Pin	Function	Pin	Function
1	LED_SPEED_2500#	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

SOJ2 PS/2

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

TSJ1 COM1 / TSJ2 COM2

Pin	RS232	RS232 with PWR	RS422 Full Duplex	RS485
1	DCD-	+12V	RX+	Data+
2	SIN-	SIN-	RX-	Data-
3	SO-	SO-	TX+	--
4	DTR-	DTR-	TX-	--
5	GND	GND	GND	GND
6	DSR-	DSR-	--	--
7	RTS-	RTS-	--	--
8	CTS-	CTS-	--	--
9	RI-	+5V	--	--

UBJ1 USB 3.2 Gen2 Key B

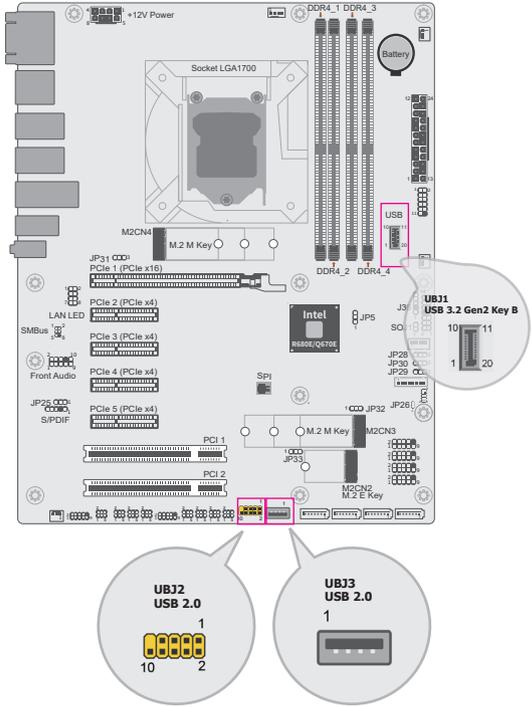
Pin	Function	Pin	Function
1	GND	11	GND
2	SSTXP1	12	SSTXN2
3	SSTXN1	13	SSTXP2
4	GND	14	GND
5	SSRXP1	15	SSRXN2
6	SSRXN1	16	SSRXP2
7	GND	17	GND
8	DP1	18	DP2
9	DN1	19	DN2
10	VBUS	20	VBUS

UBJ2 USB 2.0

Pin	Function	Pin	Function
1	VBUS	2	VBUS
3	DN1	4	DN2
5	DP1	6	DP2
7	GND	8	GND
		10	NC

UBJ3 USB 2.0

Pin	Function
1	VBUS
2	DN1
3	DP1
4	GND



DFI reserves the right to change the specifications at any time prior to the product's release. For the latest information about the product, please visit the document download page at go.dfi.com/ADS630, or via the QR codes to the right.

