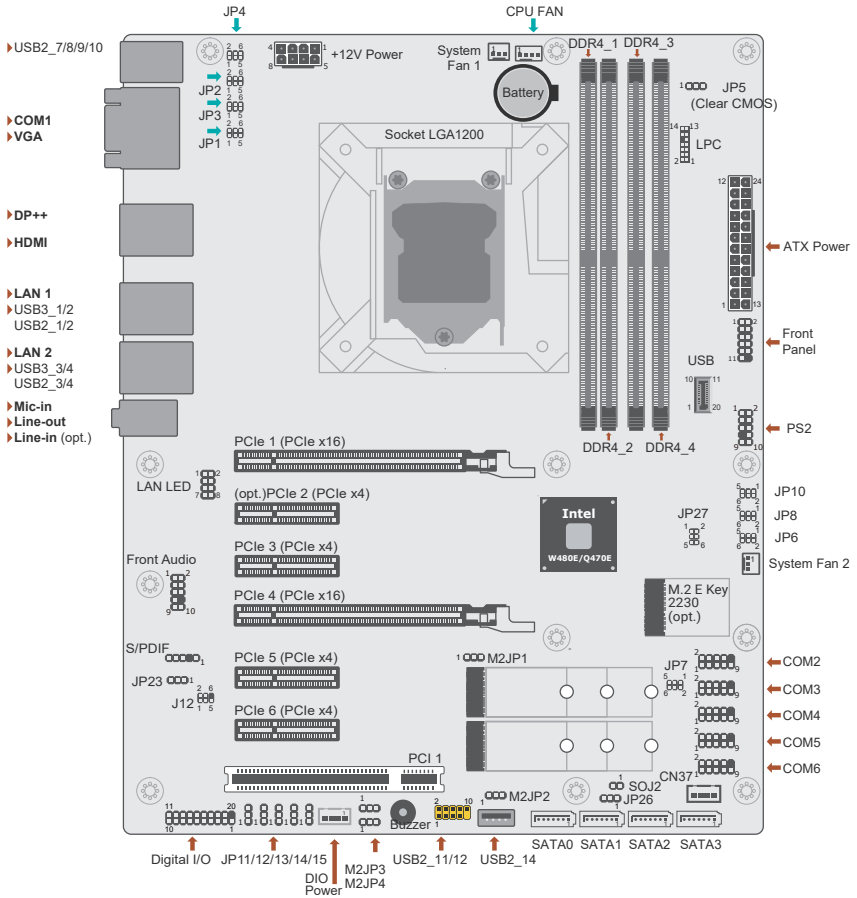


Board Layout





Jumper Settings

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

RS232/422/485 Select	JP1/JP2 (COM1) JP6/JP8 (COM2)
RS232 (default)	1-3 / 2-4 On
RS422 Full Duplex	3-5 / 4-6 On
RS485	3-5 / 4-6 On

RS232/422/485 Select	JP3 (COM1) JP10 (COM2)
RS232 (default)	1-3 / 4-6 On
RS422 Full Duplex	3-5 / 4-6 On
RS485	3-5 / 2-4 On

RS232 Power Selection	JP4 (COM1) JP7 (COM2)
RS232 (default)	1-3 / 2-4 On
RS232 with Power	3-5 / 4-6 On

DIO Power & Voltage	JP11 (DIO 0~3 PWR) / JP12 (DIO 4~7 PWR) JP13 (DIO 8~11 PWR) / JP14 (DIO 12~15 PWR)
DIO Power (default)	1-2 On
GND	2-3 On

DIO Power & Voltage	JP15
5VSB (default)	1-2 On
5V	2-3 On

AT/ATX Mode	JP26
GND (default)	1-2 On
3V3SB	2-3 On

PWM Control	JP23
5VDU (default)	1-2 On
5V	2-3 On

M.2 Connector Power Control	M2JP1 / M2JP2
3V3 (default)	1-2 On
3V3DU	2-3 On

M.2 Connector Signal Switch	M2JP3
M2CN1 (PCIex4/SATA)	1-2 On
PCIE5	2-3 On

M.2 Connector Signal Switch	M2JP4
M2CN2 (PCIex4)	1-2 On
PCIE6	2-3 On

PIN Assignment

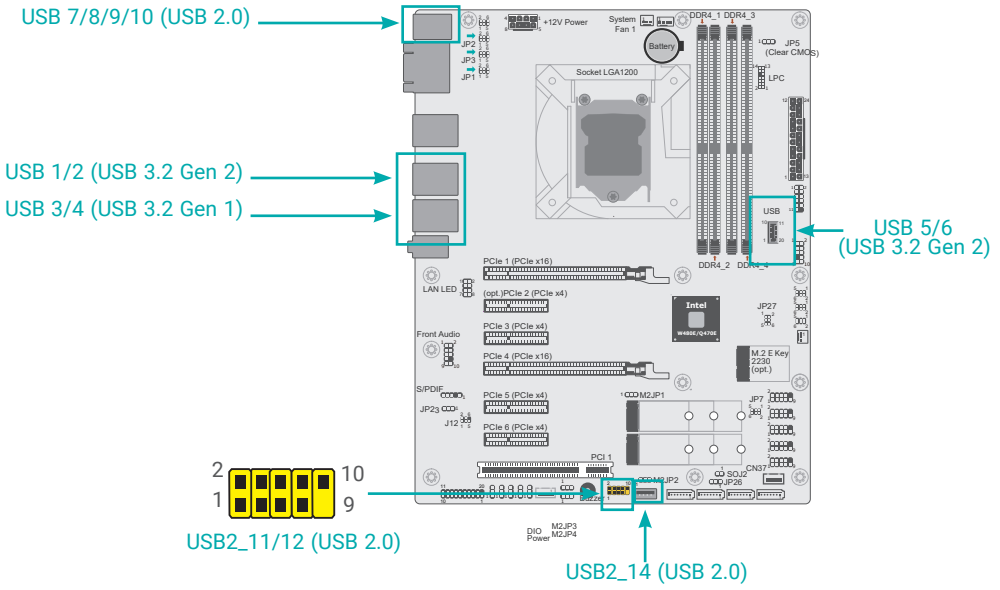
► InnoAGE HDR1 (JP27)

Pin	Assignment
1	INNOAGE_PCRST#
2	INNOAGE_RECOV#
3	INNOAGE_PWRLED#
4	INNOAGE_HDDLED#
5	INNOAGE_PWRBTN#
6	GND

► SATA (Serial ATA)

Pin	Assignment
1	GND
2	TX+
3	TX-
4	GND
5	RX-
6	RX+
7	GND

► USB Ports



• USB 2.0/3.2 Headers (USB 5/6)

Pin	Assignment	Pin	Assignment
1	VCC	2	VCC
3	-Data	4	-Data
5	+Data	6	+Data
7	GND	8	GND
9	---	10	N.C.

Pin	Assignment	Pin	Assignment
10	SBV3	11	GND
9	Data-	12	Data-
8	Data+	13	Data+
7	GND	14	GND
6	Data-	15	Data-
5	Data+	16	Data+
4	GND	17	GND
3	Data-	18	Data-
2	Data+	19	Data+
1	GND	20	SBV3

► Innoage HDD Power (CN37)

Pin	Assignment
1	+12V_SATA
2	GND
3	GND
4	5V_SATA

► Front Audio (AUJ2)

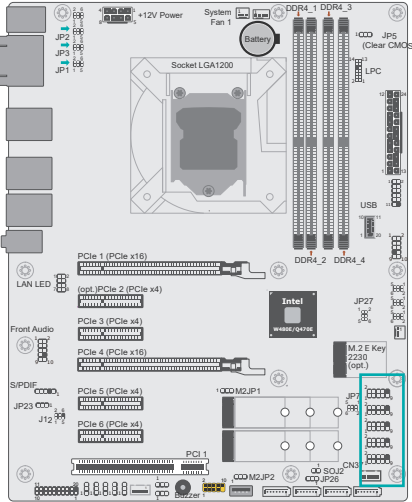
Pin	Assignment	Pin	Assignment
1	MIC2_L	2	GND
3	MIC2_R	4	NC
5	LINE2_R	6	MIC2_JD
7	Front I/O Sense	8	
9	LINE2_L	10	LINE2_JD

► Digital I/O Connector (J2)

Pin	Assignment	Pin	Assignment
1	GND	2	GND
3	DIO7	4	DIO6
5	DIO5	6	DIO4
7	DIO3	8	DIO2
9	DIO1	10	DIO0
11	DIO8	12	DIO9
13	DIO10	14	DIO11
15	DIO12	16	DIO13
17	DIO14	18	DIO15
19	GND	20	---

► COM Ports

COM1 →



Top to bottom:
COM2
COM3
COM4
COM5
COM6

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	---	---

► LPC Connector (J21)

Pin	Assignment	Pin	Assignment
1	CLK	2	L_AD1
3	RST#	4	L_AD0
5	FRAME#	6	VCC3
7	LAD3	8	GND
9	LAD2	10	---
11	SERIRQ	12	GND
13	5V5B	14	5V

► S/PDIF (AUJ1)

Pin	Assignment
1	5V
2	NC
3	SPDIF OUT
4	GND
5	SPDIF IN

► PS2 (SOJ1)

Pin	Assignment	Pin	Assignment
1	KCLK	2	MCLK
3	KDAT	4	MDAT
5	GND	6	GND
7	---	8	GND
9	GND	10	GND

► Front Panel

	Pin	Assignment		Pin	Assignment
	1	N.C.		2	3V3SB
HD-LED	3	3V3	PWR-LED	4	3V3SB
	5	HD_LED		6	SUS_LED
RESET	7	Ground	ATX-SW	8	Ground
	9	PM_SYSRST		10	PWR_BTN-
	11	N.C.		12	---

► LPC Connector (J21)

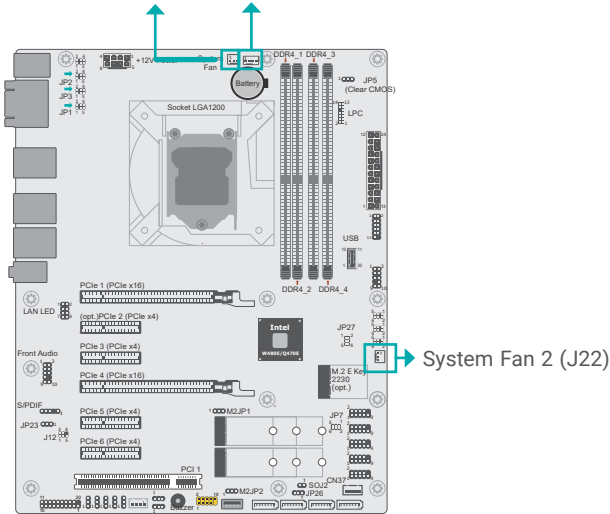
Pin	Assignment	Pin	Assignment
1	CLK	2	L_AD1
3	RST#	4	L_AD0
5	FRAME#	6	VCC3
7	LAD3	8	GND
9	LAD2	10	---
11	SERIRQ	12	GND
13	5V5B	14	5V

► ATX 24-pin Power Connector

Pin	Assignment	Pin	Assignment
1	+3.3V	13	+3.3V
2	+3.3V	14	-12V
3	GND	15	GND
4	+5V	16	PS_ON#
5	GND	17	GND
6	+5V	18	GND
7	GND	19	GND
8	PWR_OK	20	NC
9	+5VSB	21	+5V
10	+12V	22	+5V
11	+12V	23	+5V
12	+3.3V	24	GND

► Cooling Fan Connectors

System Fan 1 (PWM) (J7) CPU Fan (PWM) (J8)



•4-pin Fan Pin Assignment

Pin	Assignment
1	Ground
2	12V
3	RPM
4	Control

•3-pin Fan Pin Assignment

Pin	Assignment
1	GND
2	PWM
3	TACH



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.

