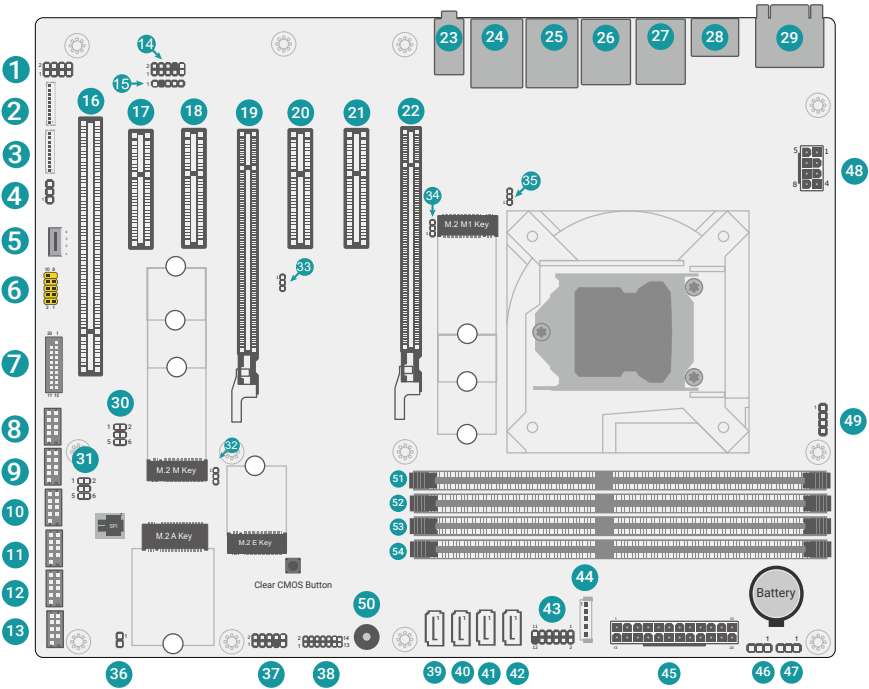


Board Layout

Top View



1	Front LAN LED (Optional)	21	PCIe2 (PCIEx4)
2	DIO Conn. (4 in/4 out)	22	PCIe1 (PCIEx16)
3	DIO Conn. (4 out)	23	▲Line-Out ▼Mic-In
4	System FAN1	24	▲LAN4 ▼USB2_9/10 USB3_9/10
5	USB2.0	25	▲LAN3 ▼USB2_7/8 USB3_7/8
6	USB2_11/12	26	▲LAN2 (W880 only) ▼USB2_3/4 USB3_3/4
7	USB3_5/6, USB2_5/6	27	▲LAN1 (W880 only) ▼USB2_1/2 USB3_1/2
8	COM1	28	DP++
9	COM2	29	▲VGA ▼HDMI
10	COM3	30	Power Select COM1
11	COM4	31	Power Select COM2
12	COM5	32	M2CN2 Power Select
13	COM6	33	PCIe Slot X8/X16 Select
14	Front Audio	34	M2CN1 Power Select
15	S/PDIF	35	PEG Config Select
16	PCI	36	CASE OPEN
17	PCIe6 (PCIEx4)	37	PS2 Header
18	PCIe5 (PCIEx4)	38	eSPI Header
19	PCIe4 (PCIEx16)	39	SATA3
20	PCIe3 (PCIEx4)		

40	SATA2	47	System Fan3
41	SATA1	48	12V ATX Power
42	SATA0	49	CPU Fan
43	Front Panel	50	Buzzer
44	SATA Power	51	DDR5 DIMM1
45	ATX Power	52	DDR5 DIMM2
46	System Fan2	53	DDR5 DIMM3
		54	DDR5 DIMM4



Jumper Settings

34 M2CN1 Power Select	JP4
3V3 (default)	1-2 ON
3V3DU	2-3 ON

32 M2CN2 Power Select	JP5
3V3 (default)	1-2 ON
3V3DU	2-3 ON

35 PEG Config Select	JP1
X8, X8	1-2 ON
X16 (default)	2-3 ON

33 PCIE Slot X8/X16 Select	PBJP1
PBPCIE1 X16 (default)	1-2 ON
PBPCIE1 X8, PBPCIE4 X8	2-3 ON

30 Power Select COM1	JP27
RS232 with 12V Power	1-2 ON
RS232 Standard (default)	3-4 ON
RS232 with 5V Power	5-6 ON

31 Power Select COM2	JP28
RS232 with 12V Power	1-2 ON
RS232 Standard (default)	3-4 ON
RS232 with 5V Power	5-6 ON



PIN Assignment

4 ► System Fan1 (J32)

Pin	Assignment
1	GND
2	PWM
3	TACH

46 ► System Fan2 (J22)

Pin	Assignment
1	GND
2	PWM
3	TACH

47 ► System Fan3 (J30)

Pin	Assignment
1	GND
2	PWM
3	TACH

36 ► Case Open (SOJ1)

Pin	Assignment
1	Case Open#
2	GND

49 ► CPU Fan (J8)

Pin	Assignment
1	GND
2	12V
3	RPM
4	CTRL

15 ► S/PDIF (AUJ1)

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

44 ► SATA Power (CN8)

Pin	Assignment
1	5V
2	5V
3	12V
4	GND
5	GND

42 ► SATA0 (J4)

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

41 ► SATA1 (J3)

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

40 ► SATA2 (J2)

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

39 ► SATA3 (J1)

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

1 ► Front LAN LED Optional (ETJ1)

Pin	Assignment
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

14 ► Front Audio (AUJ2)

Pin	Assignment
1	MIC2_L
2	GND
3	MIC2_R
4	NC
5	LINE2_R
6	MIC2_JD
7	GND
8	-
9	LINE2_L
10	LINE2_JD

6 ► USB2_11/12 (UBJ2)

Pin	Assignment
1	5VDU
2	5VDU
3	USB1N
4	USB2N
5	USB1P
6	USB2P
7	GND
8	GND
9	-
10	NC

37 ► PS2 Header (SOJ2)

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

8 ► COM1 (TSJ2)

Pin	Assignment	Pin	Assignment
1	MDCD-	2	MSIN-
3	MSO-	4	MDTR-
5	GND	6	MDSR-
7	MRTS-	8	MCTS-
9	MRI-	10	----

9 ► COM2 (TSJ3)

Pin	Assignment	Pin	Assignment
1	MDCD-	2	MSIN-
3	MSO-	4	MDTR-
5	GND	6	MDSR-
7	MRTS-	8	MCTS-
9	MRI-	10	----

10 ► COM3 (TSJ4)

Pin	Assignment	Pin	Assignment
1	MDCD-	2	MSIN-
3	MSO-	4	MDTR-
5	GND	6	MDSR-
7	MRTS-	8	MCTS-
9	MRI-	10	----

11 ► COM4 (TSJ5)

Pin	Assignment	Pin	Assignment
1	MDCD-	2	MSIN-
3	MSO-	4	MDTR-
5	GND	6	MDSR-
7	MRTS-	8	MCTS-
9	MRI-	10	----

12 ► COM5 (TSJ6)

Pin	Assignment	Pin	Assignment
1	MDCD-	2	MSIN-
3	MSO-	4	MDTR-
5	GND	6	MDSR-
7	MRTS-	8	MCTS-
9	MRI-	10	----

13 ► COM6 (TSJ7)

Pin	Assignment	Pin	Assignment
1	MDCD-	2	MSIN-
3	MSO-	4	MDTR-
5	GND	6	MDSR-
7	MRTS-	8	MCTS-
9	MRI-	10	----

2 ► DIO Conn. (4 in/4 out) (J6)

Pin	Assignment
1	DI3
2	DI2
3	DI1
4	DI0
5	DO3
6	DO2
7	DO1
8	DO0
9	VCC
10	GND

3 ► DIO Conn. (4 out) (J7)

Pin	Assignment
1	NC
2	NC
3	NC
4	NC
5	DO7
6	DO6
7	DO5
8	DO4
9	VCC
10	GND

43 ► Front Panel (J9)

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	---

38 ► eSPI (J31)

Pin	Assignment	Pin	Assignment
1	3V3SB	2	ESPI_CLK
3	ESPI_RESET#	4	GND
5	ESPI_ALT#	6	GND
7	ESPI_D0	8	---
9	ESPI_D1	10	ESPI_CS
11	ESPI_D2	12	3V3SB
13	ESPI_D3	14	3V3SB

7 ► USB3_5/6, USB2_5/6 (UBJ1)

Pin	Assignment	Pin	Assignment
1	5VDU	11	USB2_2P
2	USB3_RX1_DN	12	USB2_2N
3	USB3_RX1_DP	13	GND
4	GND	14	USB3_TX2_DP
5	USB3_TX1_DN	15	USB3_TX2_DN
6	USB3_TX1_DP	16	GND
7	GND	17	USB3_RX2_DP
8	USB2_1N	18	USB3_RX2_DN
9	USB2_1P	19	5VDU
10	NC	20	----



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.

