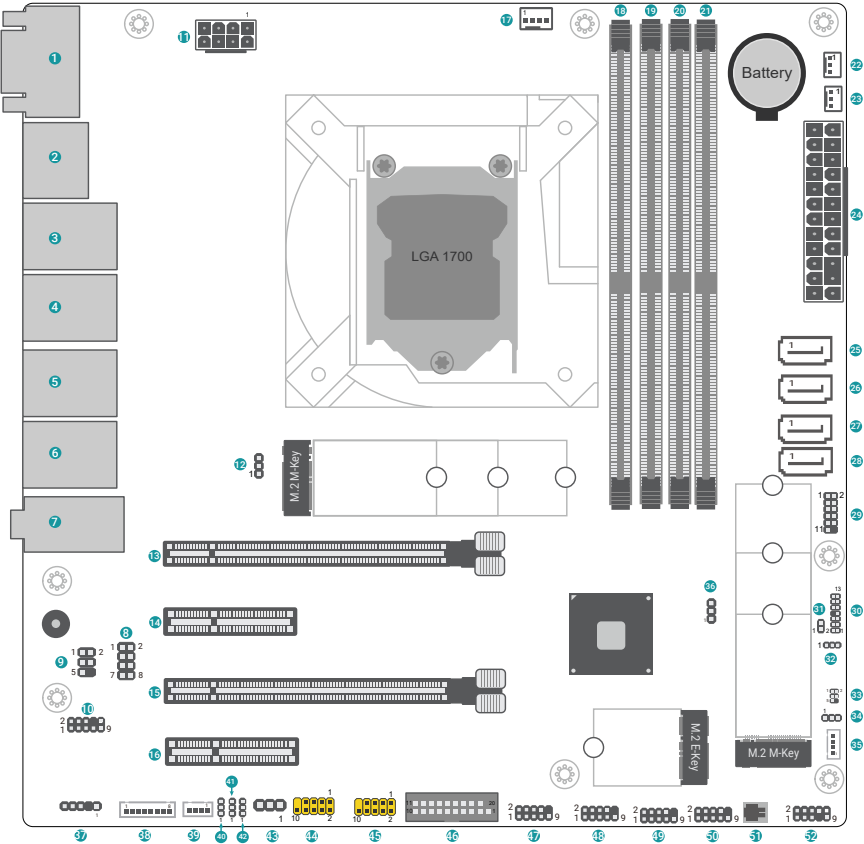


Board Layout

Top View



1	▲VGA ▼HDMI
2	DP1,DP2 ▲LAN1
3	▼USB2_1/2 USB3_1/2 ▲LAN2
4	▼USB2_3/4 USB3_3/4 ▲LAN3
5	▼USB2_5/6 USB3_5/6 ▲LAN4
6	▼USB2_7/8 USB3_7/8 ▲Line-Out / Line-In (optional) ▼MIC-In
7	Front LAN LED
8	SMBus
9	Front Audio
10	+12v Power
11	M2CN4 power select
12	PCIE1
13	PCIE2
14	PCIE3
15	PCIE4
16	CPU FAN

18	DIMM1
19	DIMM2
20	DIMM3
21	DIMM4
22	System FAN3
23	System FAN2
24	ATX Power
25	SATA0
26	SATA1
27	SATA2
28	SATA3
29	Front Panel
30	ESPI Header
31	Case Open
32	AT/ATX mode select
33	InnoAGE Header
34	M2CN3 power select
35	InnoAGE Power
36	PS/2 and USB Wake up select
37	S/PDIF

38	DIO
39	DIO Power
40	DIO0~3 power select
41	DIO4~7 power select
42	DIO power select(5V_DIO)
43	SYSTEM FAN1
44	USB2_11/12
45	USB2_13
46	USB3.1 Gen2
47	COM1
48	COM2
49	COM3
50	COM4
51	BIOS
52	PS/2

Jumper Settings

42 DIO Power Select	JP28
5VDU (default)	1-2 On
5V	2-3 On

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

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

40 DIO0~3 Power Select	JP29
5V_DIO (default)	1-2 On
GND	2-3 On

41 DIO4~7 Power Select	JP30
5V_DIO (default)	1-2 On
GND	2-3 On

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

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

PIN Assignment

43 ▶ System Fan1

Pin	Assignment
1	GND
2	PWM
3	TACH

23 ▶ System Fan2

Pin	Assignment
1	GND
2	PWM
3	TACH

22 ▶ System Fan3

Pin	Assignment
1	GND
2	PWM
3	TACH

17 ▶ CPU Fan

Pin	Assignment
1	GND
2	12V
3	RPM
4	CTRL

39 ▶ DIO Power

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

38 ▶ Digital I/O

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

9 ▶ SMBus

Pin	Assignment	Pin	Assignment
1	3V3DU	2	GND
3	SMB_CLK_RESUME	4	SMB_DATA_RESUME
5	SMBALERT_PCH-	6	---

25 ▶ SATA0

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

26 ▶ SATA1

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

27 ▶ SATA2

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

28 ▶ SATA3

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

47 ► COM1

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

48 ► COM2

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

49 ► COM3

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

50 ► COM4

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

▶ 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	---

▶ ESPI Header

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



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.

