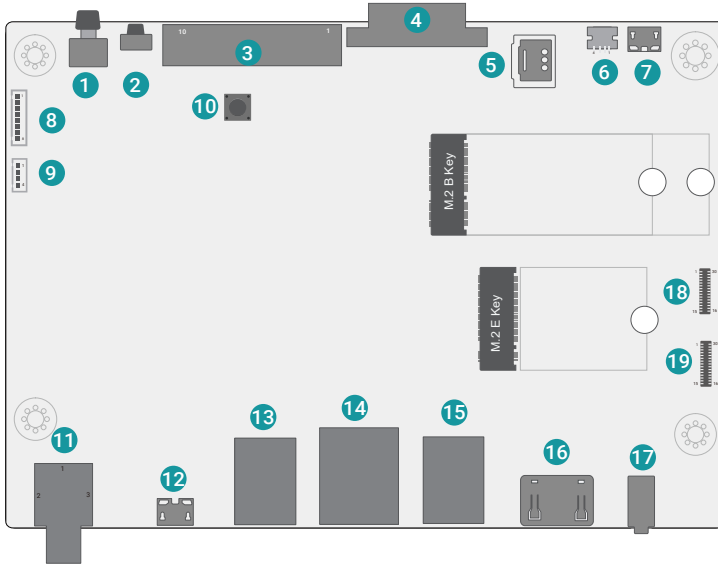


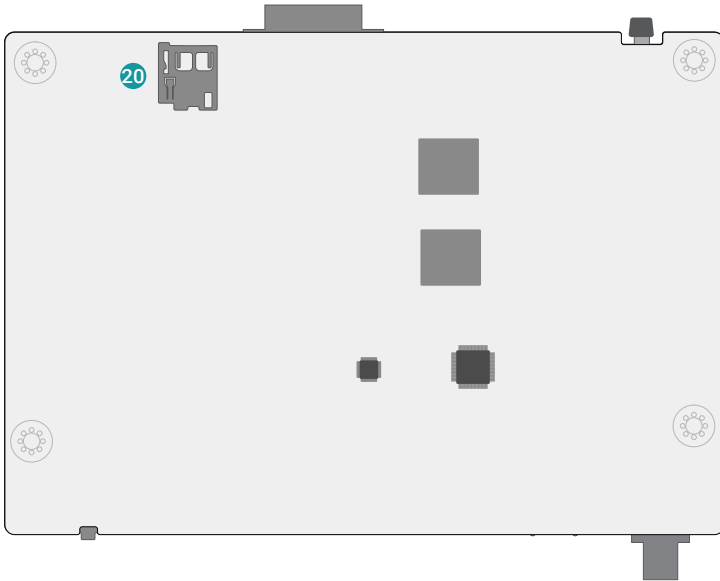
Board Layout

Top View



- | | | | | | |
|---|--------------|----|--------------------------------------|----|-----------------|
| 1 | Power Button | 9 | Fan | 17 | Audio |
| 2 | Reset Button | 10 | USB Boot | 18 | Main Camera |
| 3 | DIO | 11 | DC-in | 19 | Tracking Camera |
| 4 | COM1 | 12 | USB 3.1 Type C
(device mode only) | | |
| 5 | SIM Card | 13 | USB3_1/2 | | |
| 6 | CAN Bus | 14 | LAN1 | | |
| 7 | Debug UART | 15 | USB2_1/2 | | |
| 8 | Front Panel | 16 | HDMI | | |

Bottom View



20 uSD Card

PIN Assignment

11 ▶ DC-in (DCCN1)

Pin	Assignment
1	+12V
2	GND
3	GND

6 ▶ CAN Bus (CBCN1)

Pin	Assignment
1	+5V
2	CAN1H
3	CAN1L
4	GND

9 ▶ Fan (SFJ1)

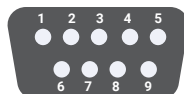
Pin	Assignment
1	GND
2	+12V
3	RSV
4	PWM(5V)

8 ▶ Front Panel (FPJ1)

Pin	Assignment	Pin	Assignment
1	PWRBTN#	2	LED(3.3V)
3	GND	4	PWM(3.3V)
5	GND	6	RSTBTN#
7	RSV	8	NC

4 ► COM1 (TSCN1)

Pin	Assignment	Pin	Assignment
1	DCD	2	RXD
3	TXD	4	DTR
5	GND	6	NC
7	RTS	8	CTS
9	NC		



3 ► DIO (IOJ1)

Pin	Assignment	Pin	Assignment
1	DIO0	2	DIO1
3	DIO2	4	DIO3
5	DIO4	6	DIO5
7	DIO6	8	DIO7
9	+3.3V	10	GND

18 ► Main Camera (CMJ2)

Pin	Assignment	Pin	Assignment
1	Strobe	2	SPI_CLK
3	+2.8V	4	SPI_MOSI
5	RST#	6	GND
7	CSI_D2P	8	CSI_D2M
9	GND	10	CSI_D0P
11	CSI_D0M	12	GND
12	CSI_D3P	14	CSI_D3M
15	RSV	16	GND
17	CSI_D1M	18	CSI_D1P
19	GND	20	CSI_CKM
21	CSI_CKP	22	GND
23	CSI_MCLK	24	GND
25	I2C_SCL	26	I2C_SDA
27	SPI_CS	28	+1.8V
29	SPI_MISO	30	+1.1V

19 ▶ Tracking Camera (CMJ1)

Pin	Assignment	Pin	Assignment
1	Strobe	2	NC
3	+2.8V	4	GND
5	RST#	6	GND
7	CSI_D2P	8	CSI_D2M
9	GND	10	CSI_D0P
11	CSI_D0M	12	GND
12	CSI_D3P	14	CSI_D3M
15	RSV	16	GND
17	CSI_D1M	18	CSI_D1P
19	GND	20	CSI_CKM
21	CSI_CKP	22	GND
23	CSI_MCLK	24	GND
25	I2C_SCL	26	I2C_SDA
27	PWDN	28	+1.8V
29	GND	30	+1.2V



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.

