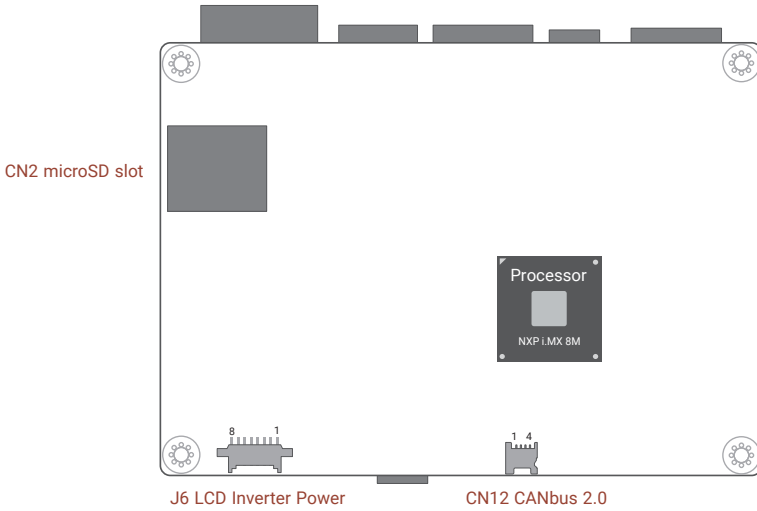
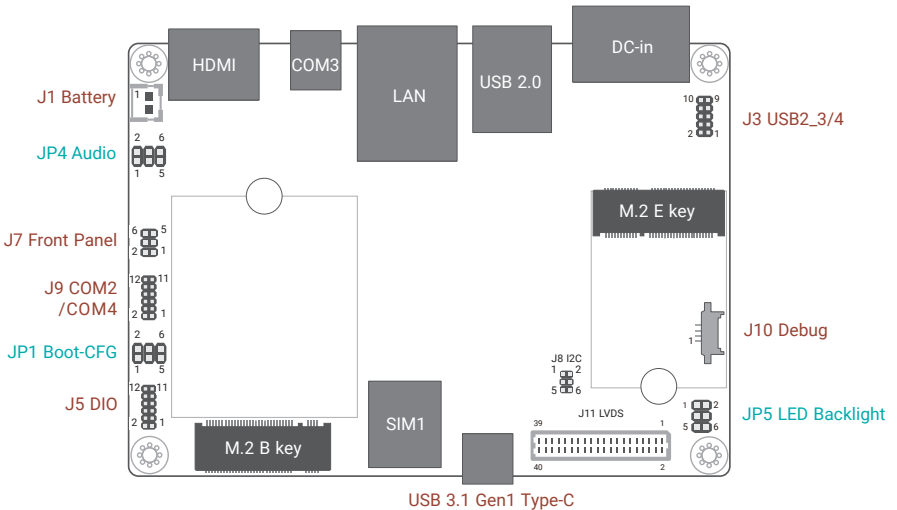


Board Layout

Top View



Bottom View



Jumper Settings

Boot-CFG	JP1
Internal Boot (default)	1-2 Off
Serial Downloader	1-2 On
EMMC@eSDHC (default)	5-6 Off
uSD@eSDHC2	5-6 On

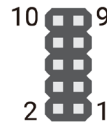
LED Backlight	JP5
Signal Voltage 5V	1-2 Off
Signal Voltage 3.3V <small>(DEVELOPING)</small>	1-2 On
Backlight Power 12V (default)	5-6 On
Backlight Power 5V	3-4 On

Audio	JP4
Mic Input	1
GND	2/3/5
R-CH	4
L-CH	6

Pin Assignments for I/O Connectors

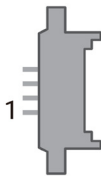
J3 USB 2.0 Headers (3/4)

Pin	Assignment	Pin	Assignment
1	+5VUSBHDR	2	+5VUSBHDR
3	USBH_DN_HDR1	4	USBH_DN_HDR2
5	USBH_DP_HDR1	6	USBH_DP_HDR2
7	GND	8	GND
9	---	10	---



J10 Debug(COM1)

Pin	Assignment
1	VDD_3V3
2	DEBUG_UART1_RXD
3	DEBUG_UART1_TXD
4	GND



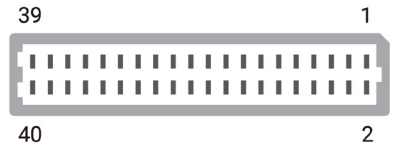
J8 I2C

Pin	Function	Pin	Function
1	VDD_3v3/+VTP_3V3	2	GND
3	TP_SCL	4	TP_ALT#
5	TP_SDA	6	TP_RST#



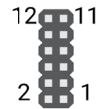
J11 LVDS

Pin	Function	Pin	Function
1	GND	2	GND
3	LVDS_A2-	4	LVDS_B3+
5	LVDS_A2+	6	LVDS_B3-
7	GND	8	GND
9	LVDS_A3-	10	LVDS_B2+
11	LVDS_A3+	12	LVDS_B2-
13	GND	14	GND
15	LVDS_A0-	16	LVDS_B1+
17	LVDS_A0+	18	LVDS_B1-
19	GND	20	GND
21	LVDS_A1-	22	LVDS_B0+
23	LVDS_A1+	24	LVDS_B0-
25	GND	26	GND
27	LVDS_A_CLK-	28	LVDS_B_CLK-
29	LVDS_A_CLK+	30	LVDS_B_CLK+
31	GND	32	GND
33	GND	34	GND
35	+VDD_Panel_3V3	36	+VDD_Panel_5V
37	+VDD_Panel_3V3	38	+VDD_Panel_5V
39	+VDD_Panel_3V3	40	+VDD_Panel_5V



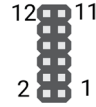
J5 DIO

Pin	Function	Pin	Function
1	GND	2	PWM_OUT
3	GND	4	+5V_DIO
5	DIO0_C	6	DIO1_C
7	DIO2_C	8	DIO3_C
9	DIO4_C	10	DIO5_C
11	DIO6_C	12	DIO7_C



J9 COM2 / COM4

Pin	Function	Pin	Function
1	SINN2	2	RTSN2
3	SOUTN2	4	CTSN2
5	GND	6	GND
7	DCDN4	8	SINN4
9	RTSN4	10	SOUTN4
11	CTSN4	12	DTRN4



J7 Front Panel

Pin	Function	Pin	Function
1	ONOFF_BTN#	2	FP_LED_3.3V
3	GND	4	FP_PWM_3.3V
5	SYS_nRST	6	FP_RSV_BTN#



J1 Battery

Pin	Function	Pin	Function
1	+VBAT	2	GND

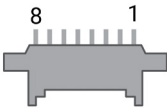


J6 LED Backlight Driving

Pin	Function
1	VLED_12V / 5V (JP5 Switch)
2	VLED_12V / 5V (JP5 Switch)
3	VLED_12V / 5V (JP5 Switch)
4	GND
5	GND
6	Backlight On / Off
7	GND
8	Backlight Dimming

CN12 CANbus 2.0

Pin	Function
1	+VDD_CAN
2	CAN1H
3	CAN1L
4	GND



DFI reserves the right to change the specifications at any time prior to the product's release. This QR may be based on editions that do not resemble your actual products. For more documentation and drivers, please visit the download page at <https://go.dfi.com/M8M051>, or via the QR code to the right.

