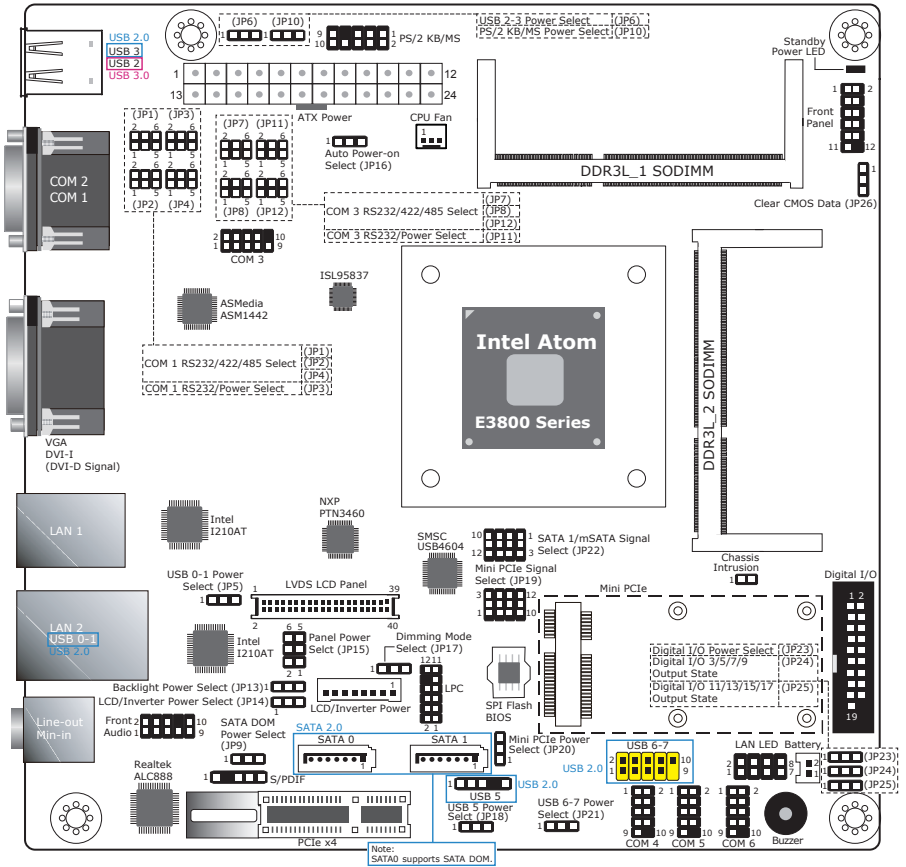


Board Layout



Note:

1. SATA0 supports SATA DOM.
2. When COM 1 RS232/422/485 is selected, JP1 and JP2 must be set in accordance with JP4.
3. When COM 3 RS232/422/485 is selected, JP7 and JP8 must be set in accordance with JP11.
4. When installing one DDR3L SODIMM only, make sure to install it into the SODIMM 1 socket.
5. BT100-xC: 6 COM (COM 1 to COM 6). BT100-xD: 2 COM (COM 1 and COM 2).

Jumper Settings

Mini PCIe/mSATA Power Select	JP20
+3.3V_standby (Mini PCIe) (default)	1-2 On
+3.3V (mSATA)	2-3 On
Auto Power-on Select	JP16
Power-on via power button (default)	1-2 On
Power-on via AC power	2-3 On
Mini PCIe/mSATA Signal Select	JP19
PCIe (default)	1-4-7-10 On, 2-5-8-11 On
mSATA	2-5-8-11 On, 3-6-9-12 On
Dimming Mode Select	JP17
PWM Mode	1-2 On
Voltage Mode (default)	2-3 On
SATA DOM Power Select	JP9
+GND (default)	1-2 On
+5V	2-3 On
SATA 1/mSATA Signal Select	JP22
SATA 1 (default)	1-4-7-10 On, 2-5-8-11 On
mSATA	2-5-8-11 On, 3-6-9-12 On
PS/2 Keyboard/Mouse Power Select	JP10
+5V (default)	1-2 On
+5V_standby	2-3 On

USB Power Select	USB 0-1 (JP5), 2-3 (JP6), 6-7 (JP21)
+5V (default)	1-2 On
+5V_standby	2-3 On

Clear CMOS Data	JP26
Normal (default)	1-2 On
Clear CMOS Data	2-3 On

LCD/Inverter Power Select	JP14
+12V	1-2 On
+5V (default)	2-3 On

Panel Power Select	JP15
+12V	1-2 On
+5V	3-4 On
+3.3V (default)	5-6 On

Backlight Power Select	JP13
+5V	1-2 On
+3.3V (default)	2-3 On

Serial Mode Select	COM 1 (JP4) COM 3 (JP12)	COM 1 (JP1) COM 3 (JP2)	COM 1 (JP3) COM 3 (JP11)
RS232 (default)	1-2 On	1-3, 2-4 On	1-3, 2-4 On
RS422 Full Duplex	3-4 On	3-5, 4-6 On	3-5, 4-6 On
RS485	5-6 On	3-5, 4-6 On	3-5, 4-6 On

RS232 Power Select COM 1 (JP3), COM 3 (JP11)

RS232 (default) 1-3 On (RI), 2-4 On (DCD)

RS232 with power 3-5 On (+5V), 4-6 On (+12V)

Digital I/O Power Select JP23

+5V (default) 1-2 On

+5V_standby 2-3 On

Digital I/O Output State DIO 3/5/7/9 (JP25) DIO 11/13/15/17 (JP24)

+5V or +5V_standby (default) 1-2 On

GND 2-3 On

PIN Assignment

▶ COM1/COM3 RS232/RS422/RS485

Pin	Assignment	Pin	Assignment
1	MDCD1-/ RS422_RX+ / RS485_D+	2	MSIN1-/ RS422_RX- / RS485_D-
3	MSO1-/RS422_ TX+	4	MDTR1-/ RS422_TX-
5	GND	6	MDSR1-
7	MRTS1-	8	MCTS1-
9	MRI1-	10	--

Battery Usage

The lithium ion battery powers the real-time clock and CMOS memory. It is an auxiliary source of power when the main power is shut off.

Safety Measures

- Danger of explosion if battery incorrectly replaced.
- Replace only with the same or equivalent type recommend by the manufacturer.
- Dispose of used batteries according to local ordinance.



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.

