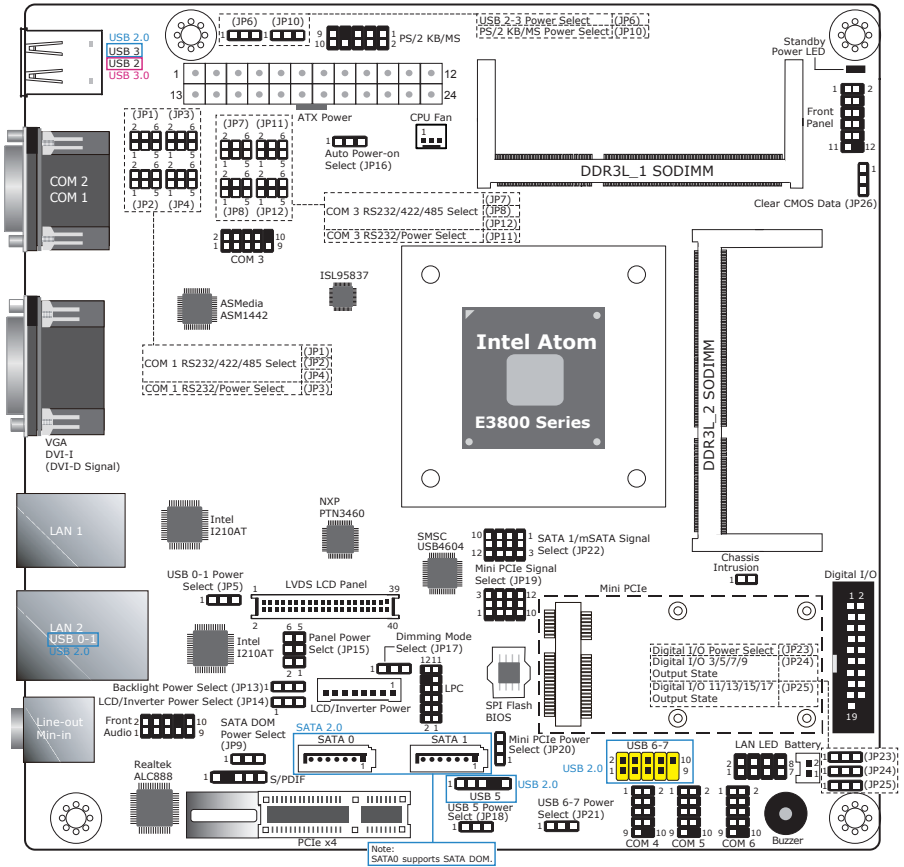


**Board Layout**



**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

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

## 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.



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