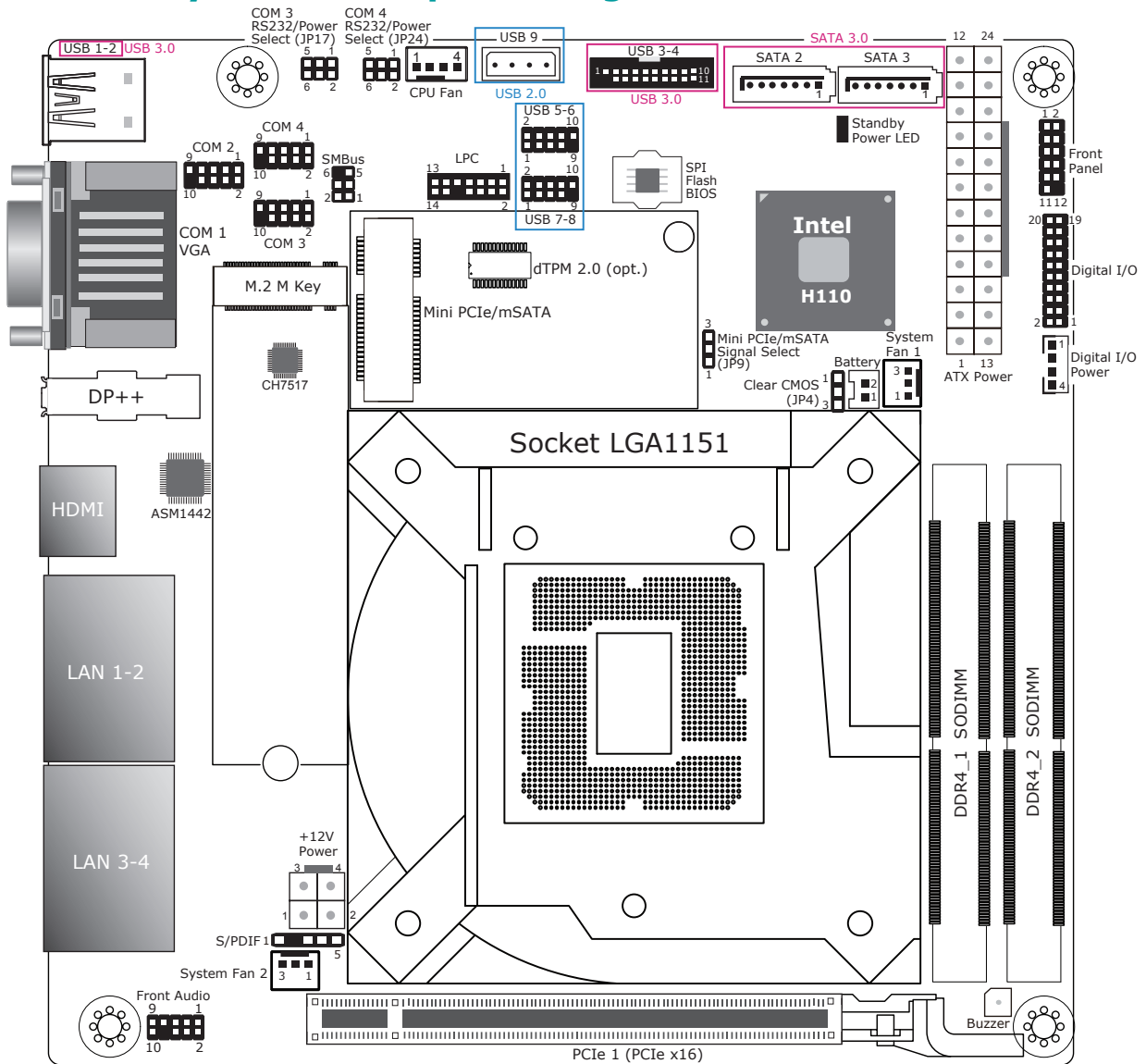


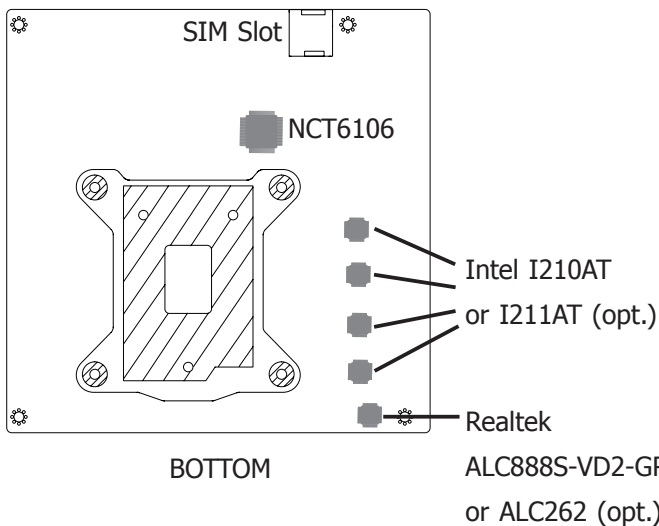
DFI

SD170 Quick Reference

Board Layout and Jumper Settings



TOP



Clear CMOS	JP4
Normal (default)	1-2 On
Clear CMOS	2-3 On

Mini PCIe/mSATA Signal Select	JP9
mSATA (default)	1-2 On
Mini PCIe	2-3 On

RS232/Power Select	JP17 (for COM 3) JP24 (for COM 4)
RS232 (default)	1-3 (RI-), 2-4 (DCD-) On
RS232 with power	3-5 (+5V), 4-6 (+12V) On



Pin Assignments

Front Panel

	Pin	Assignment		Pin	Assignment
	1	NC	PWR-LED	2	LED Power
HD-LED	3	HDD Power		4	LED Power
	5	Signal		6	Signal
RESET	7	GND	ATX-SW	8	GND
	9	Signal		10	Signal
	11	NC		12	---

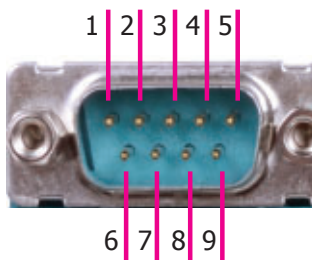
SATA 3.0 2/3

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

COM 1 Port: RS232/RS422/RS485

COM 2 Header: RS232/RS422/RS485

COM 3/4 Headers: RS232/RS232 with Power



COM 1

Pin	RS232	RS232 with Power	RS422 Full Duplex	RS485
1	DCD-	+12V	TX-	DATA-
2	RXD	RXD	TX+	DATA+
3	TXD	TXD	RX+	NC
4	DTR-	DTR-	RX-	NC
5	GND	GND	GND	GND
6	DSR-	DSR-	NC	NC
7	RTS-	RTS-	NC	NC
8	CTS-	CTS-	NC	NC
9	RI-	+5V	NC	NC

Front Audio

Pin	Assignment	Pin	Assignment
1	Mic2-L	2	GND
3	Mic2-R	4	NC
5	Line2-R	6	Mic2-JD
7	GND	8	---
9	Line2-L	10	Line2-JD

USB 2.0 5-6/7-8 Headers

Pin	Assignment	Pin	Assignment
1	PWR	2	PWR
3	DATA-	4	DATA-
5	DATA+	6	DATA+
7	GND	8	GND
9	---	10	NC

Digital I/O

Pin	Assignment	Pin	Assignment
1	DIO0	2	DIO8
3	DIO1	4	DIO9
5	DIO2	6	DIO10
7	DIO3	8	DIO11
9	DIO4	10	DIO12
11	DIO5	12	DIO13
13	DIO6	14	DIO14
15	DIO7	16	DIO15
17	GND	18	GND
19	GND	20	GND

USB 3.0 3-4 Header

Pin	Assignment	Pin	Assignment
1	PWR	20	---
2	RX-	19	PWR
3	RX+	18	RX-
4	GND	17	RX+
5	TX-	16	GND
6	TX+	15	TX-
7	GND	14	TX+
8	DATA-	13	GND
9	DATA+	12	DATA-
10	NC	11	DATA+

LPC

Pin	Assignment	Pin	Assignment
1	L_CLK	2	L_AD1
3	L_RST#	4	L_AD0
5	L_FRAME#	6	3V3
7	L_AD3	8	GND
9	L_AD2	10	---
11	INT_SERIRQ	12	GND
13	5VSB	14	5V

SMBus

Pin	Assignment	Pin	Assignment
1	3VDU	2	GND
3	SMB_CLK	4	SMB_DATA
5	SMB_ALERT	6	---

S/PDIF

Pin	Assignment
1	+5V
2	---
3	SPDIF OUT
4	GND
5	SPDIF IN

Digital I/O Power

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

+12V Power

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

CPU Fan

Pin	Assignment
1	GND
2	+12V
3	Sense
4	Speed Control

System Fan 1/2

Pin	Assignment
1	GND
2	PWR
3	Sense

ATX Power

Pin	Assignment	Pin	Assignment
1	+3.3V	13	+3.3V
2	+3.3V	14	-12V
3	GND	15	GND
4	+5V	16	PS_ON#
5	GND	17	GND
6	+5V	18	GND
7	GND	19	GND
8	PWR_OK	20	NC
9	+5VSB	21	+5V
10	+12V	22	+5V
11	+12V	23	+5V
12	+3.3V	24	GND

Battery

Pin	Assignment
1	+3.3V
2	GND



DFI reserves the right to change the specifications at any time prior to the product's release. For the latest information about the product, please refer to the user's manual at go.dfi.com/SD170.

