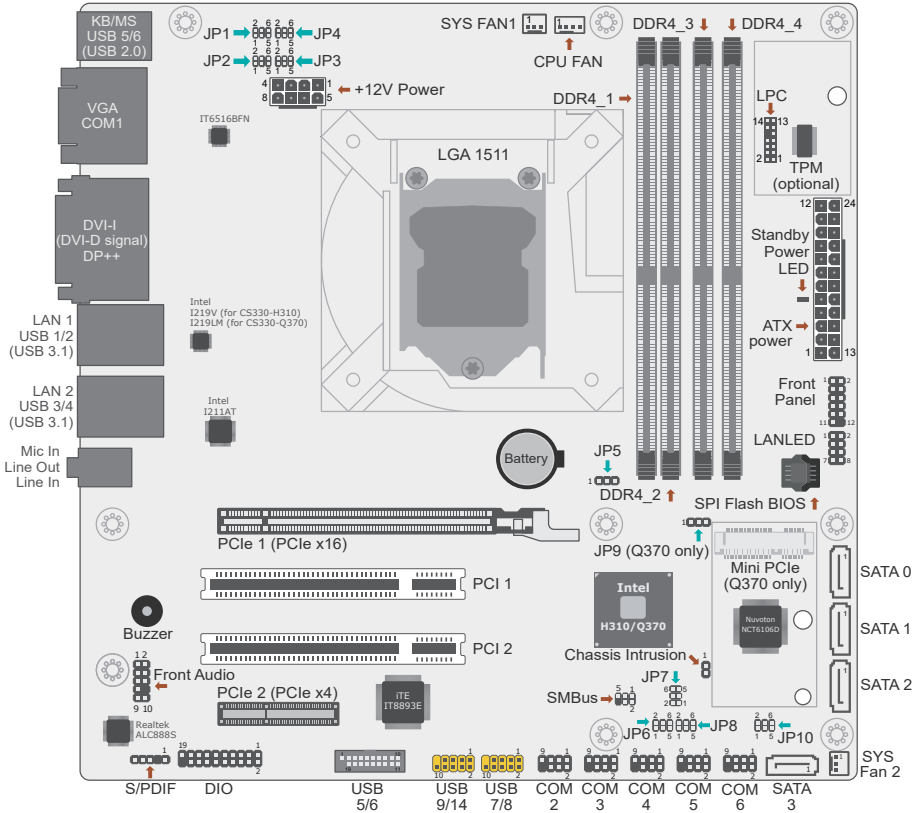


Board Layout and Jumper Settings



Clear CMOS Data	JP6
Normal (default)	1-2 On
Clear CMOS Data	2-3 On

COM Serial Signal Select	JP1 (COM 1) JP10 (COM 2)	JP2&3 (COM 1) JP6&8 (COM 2)
RS232	1-2 On	1-2, 3-4 On
RS422 Full Duplex	3-4 On	3-4, 5-6 On
RS485	5-6 On	3-4, 5-6 On

Mini PCIe Signal Select (Q370 only)	JP9
Mini PCIe (default)	1-2 On
mSATA	2-3 On

COM Ports RS232 Power Select	JP4 (COM 1) JP7 (COM 2)
RS232 (default)	1-3 (RI-), 2-4 (DCD-) On
RS232 with power	3-5 (+5V), 4-6 (+12V) On

Pin Assignment

COM Ports (COM 2-6)

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

LAN LED

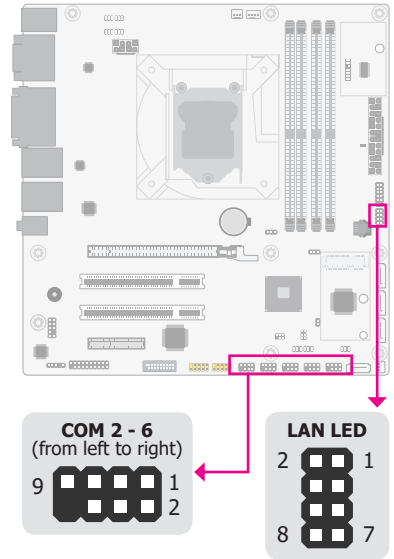
Pin	Assignment	Pin	Assignment
1	GBE_LED_1000-	2	GBE_LED_100-
3	GBE_LED_LINK_ACT-	4	3V3DU
5	LINK_1000_4	6	LINK_100_4
7	LINK_ACTIVITY_4	8	3V3DU

SMBus

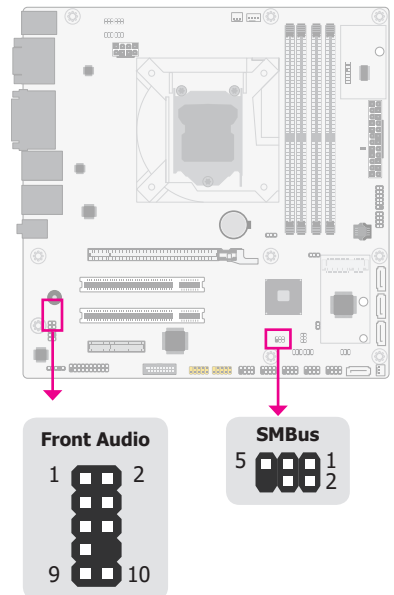
Pin	Assignment	Pin	Assignment
1	3V3SB	2	GND
3	SMBus_Clock	4	SMBus_DATA
5	SMBus_Alert	6	---

Front Audio

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

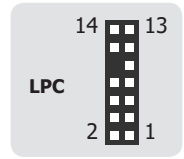


Note: All three modes, i.e. RS232, RS422 Full Duplex, and RS485 are available for COM 1 & 2. Only RS232 is available for COM 3 - 6.

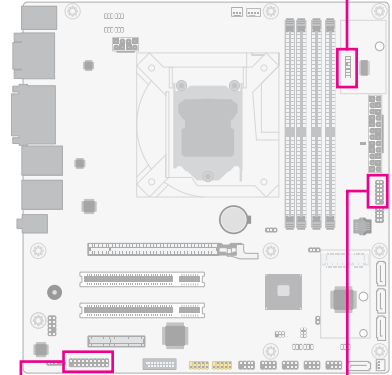


LPC

Pin	Assignment	Pin	Assignment
1	L_CLK	2	L_LAD1
3	L_RST#	4	L_LAD0
5	L_FRAME#	6	3.3V
7	L_LAD3	8	GND
9	L_LAD2	10	---
11	INT_SERIRQ	12	GND
13	5VSB	14	5V

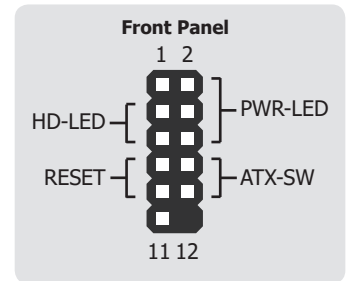


Note: The LPC connector can be mounted with an EXT RS232/RS485 card for 4 additional COM ports.



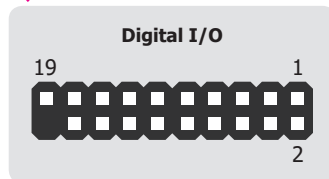
Front Panel

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



Digital I/O (DIO)

Pin	Function	Pin	Function
1	GND	2	+12V
3	DIO7	4	+12V
5	DIO6	6	GND
7	DIO5	8	+5V
9	DIO4	10	+5V
11	DIO3	12	GND
13	DIO2	14	+5VDU
15	DIO1	16	+5VDU
17	DIO0	18	GND
19	GND	20	---



USB 2.0 Headers (for Internal I/O USB 7/8/9/14)

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

Note:
USB 9/14 can be replaced by optional vertical USB.

Chassis Intrusion

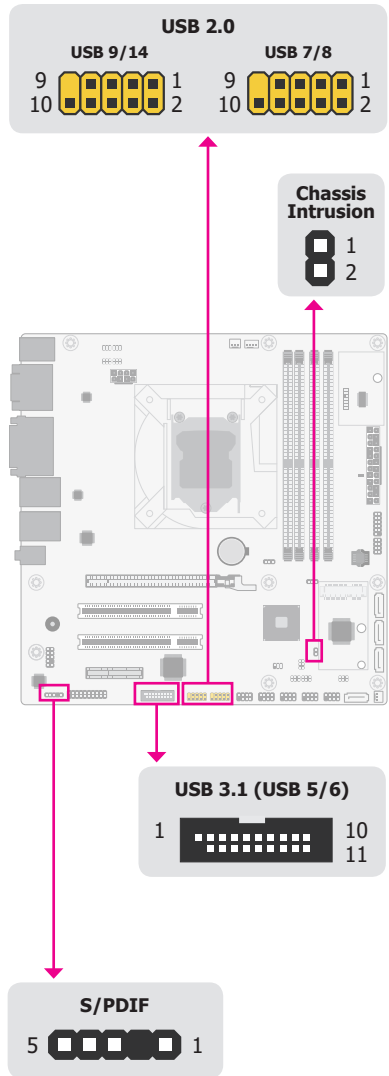
Pin	Function	Pin	Function
1	Signal	2	GND

USB 3.1 Gen 1 Headers (USB 5/6, CS330-Q370 only)

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

S/PDIF

Pin	Assignment	Pin	Assignment
1	+5V	2	---
3	SPDIF Out	4	GND
5	SPDIF In		



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 visit the document download page at go.dfi.com/CS330-H310, go.dfi.com/CS330-Q370 or via the QR codes to the right.



CS330-H310



CS330-Q370