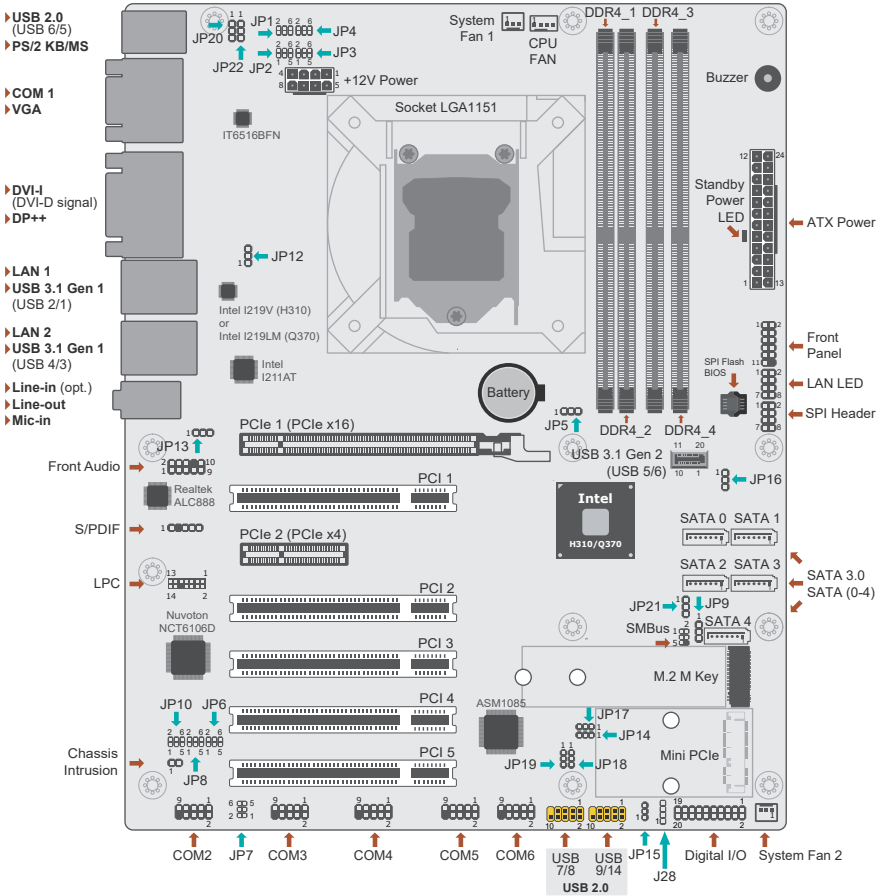


Quick Reference

CS630-H310/Q370

Board Layout

Top View





Jumper Settings

| DIO Power Select (5V_DIO) | NA (Resistance control) |
|----------------------------------|------------------------------------|
| 5VDU (default) | 1-2 On |
| 5V | 2-3 On |

| AT/ATX Mode Select | NA (Resistance control) |
|---------------------------|------------------------------------|
| AT mode (default) | 1-2 ON |
| ATX mode | 2-3 ON |

| PS/2 | JP22 |
|-----------------|-------------|
| +5VDU (default) | 1-2 On |
| +5V | 2-3 On |

| USB Wake Up Select for SBV1 | JP12 |
|------------------------------------|-------------|
| Control by BIOS (default) | 1-2 On |
| Wake up disable | 2-3 On |

| USB Wake Up Select for SBV2 | JP13 |
|------------------------------------|-------------|
| Control by BIOS (default) | 1-2 On |
| Wake up disable | 2-3 On |

| USB Wake Up Select for SBV3 | JP14 |
|------------------------------------|-------------|
| Control by BIOS (default) | 1-2 On |
| Wake up disable | 2-3 On |

| USB Wake Up Select for SBV4 | JP20 |
|------------------------------------|-------------|
| Control by BIOS (default) | 1-2 On |
| Wake up disable | 2-3 On |

| USB Wake Up Select for SBV5 | JP15 |
|------------------------------------|-------------|
| Control by BIOS (default) | 1-2 On |
| Wake up disable | 2-3 On |

| | |
|------------------------------------|-------------|
| USB Wake Up Select for SBV6 | JP16 |
| Control by BIOS (default) | 1-2 On |
| Wake up disable | 2-3 On |

| | |
|----------------------------|-------------|
| DIO0~7 Power Select | JP18 |
| 5VDU_DIO (default) | 1-2 On |
| GND | 2-3 On |

| | |
|-----------------------------|-------------|
| DIO8~15 Power Select | JP19 |
| 5VDU_DIO (default) | 1-2 On |
| GND | 2-3 On |

| | |
|-------------------------------|-------------|
| Mini_PCIE Power Select | JP21 |
| 3V3 (default) | 1-2 On |
| 3V3DU | 2-3 On |

| | |
|------------------------|------------|
| Mini_PCIE/mSATA | JP9 |
| Mini_PCIE | 1-2 On |
| GND | 2-3 On |

| | |
|---------------------------|------------|
| Selection for COM1 | JP1 |
| RS232 (default) | 1-2 ON |
| RS422 Duplex | 3-4 ON |
| RS485 | 5-6 ON |

| | |
|---------------------------------|----------------------|
| Selection for COM1/RS485 | JP2 & JP3 |
| RS232 (default) | 1-3, 2-4 ON |
| RS485 | 3-5, 4-6 ON |

| | |
|---------------------------|-------------|
| Selection for COM2 | JP10 |
| RS232 (default) | 1-2 ON |
| RS422 Duplex | 3-4 ON |
| RS485 | 5-6 ON |

| | |
|---------------------------------|----------------------|
| Selection for COM2/RS485 | JP6 & JP8 |
| RS232 (default) | 1-3, 2-4 ON |
| RS485 | 3-5, 4-6 ON |

▶ System Fan1 (J7)

| Pin | Assignment |
|-----|------------|
| 1 | GND |
| 2 | PWM |
| 3 | TACH |

▶ System Fan2 (J22)

| Pin | Assignment |
|-----|------------|
| 1 | GND |
| 2 | PWM |
| 3 | TACH |

▶ CPU Fan (J8)

| Pin | Assignment |
|-----|------------|
| 1 | GND |
| 2 | 12V |
| 3 | RPM |
| 4 | CTRL |

▶ DIO Power (J28)

| Pin | Assignment |
|-----|------------|
| 1 | 12V |
| 2 | GND |
| 3 | 5VDU |
| 4 | 5V |

▶ Front LAN LED (J19)

| Pin | Assignment |
|-----|-------------------|
| 1 | GBE_LED_1000- |
| 2 | GBE_LED_1000- |
| 3 | GBE_LED_LINK_ACT- |
| 4 | 3V3DU |
| 5 | LINK_1000_ |
| 6 | LINK_100 |
| 7 | LINK_ACTIVITY |
| 8 | 3V3DU |

▶ SMBus Header (J12)

| Pin | Assignment | Pin | Assignment |
|-----|----------------|-----|-----------------|
| 1 | 3V3DU | 2 | GND |
| 3 | SMB_CLK_RESUME | 4 | SMB_DATA_RESUME |
| 5 | SMBALERT_PCH- | | |

▶ SATA0 (J23)

| Pin | Assignment |
|-----|------------|
| 1 | GND |
| 2 | TXP |
| 3 | TXN |
| 4 | GND |
| 5 | RXN |
| 6 | RXP |
| 7 | GND |

▶ SATA1 (J24)

| Pin | Assignment |
|-----|------------|
| 1 | GND |
| 2 | TXP |
| 3 | TXN |
| 4 | GND |
| 5 | RXN |
| 6 | RXP |
| 7 | GND |

▶ SATA2 (J17)

| Pin | Assignment |
|-----|------------|
| 1 | GND |
| 2 | TXP |
| 3 | TXN |
| 4 | GND |
| 5 | RXN |
| 6 | RXP |
| 7 | GND |

▶ SATA3 (J25)

| Pin | Assignment |
|-----|------------|
| 1 | GND |
| 2 | TXP |
| 3 | TXN |
| 4 | GND |
| 5 | RXN |
| 6 | RXP |
| 7 | GND |

▶ SATA4 (J27)

| Pin | Assignment |
|-----|------------|
| 1 | GND |
| 2 | TXP |
| 3 | TXN |
| 4 | GND |
| 5 | RXN |
| 6 | RXP |
| 7 | GND |

▶ SPI Header (J20)

| Pin | Assignment | Pin | Assignment |
|-----|-------------|-----|------------|
| 1 | V_3P3_SPI | 2 | GND |
| 3 | ICHSPI_CS0- | 4 | SPI_CLK-R |
| 5 | SPI_SO-R | 6 | SPI_SI-R |
| 7 | HOLD | | |

► COM1 (CN5)

| 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 | -- |

► COM2 (J9)

| Pin | Assignment | Pin | Assignment |
|-----|------------|-----|------------|
| 1 | MDCD- | 2 | MRD_CONN |
| 3 | MTD_CONN | 4 | MDTR-_CONN |
| 5 | GND | 6 | MDSR- |
| 7 | MRTS- | 8 | MCTS- |
| 9 | MRI- | 10 | ---- |

► COM3 (J11)

| Pin | Assignment | Pin | Assignment |
|-----|------------|-----|------------|
| 1 | MDCD- | 2 | MSIN- |
| 3 | MSO- | 4 | MDTR- |
| 5 | GND | 6 | MDSR- |
| 7 | MRTS- | 8 | MCTS- |
| 9 | MRI- | 10 | ---- |

► COM4 (J13)

| Pin | Assignment | Pin | Assignment |
|-----|------------|-----|------------|
| 1 | MDCD- | 2 | MSIN- |
| 3 | MSO- | 4 | MDTR- |
| 5 | GND | 6 | MDSR- |
| 7 | MRTS- | 8 | MCTS- |
| 9 | MRI- | 10 | ---- |

► COM5 (J15)

| Pin | Assignment | Pin | Assignment |
|-----|------------|-----|------------|
| 1 | MDCD- | 2 | MSIN- |
| 3 | MSO- | 4 | MDTR- |
| 5 | GND | 6 | MDSR- |
| 7 | MRTS- | 8 | MCTS- |
| 9 | MRI- | 10 | ---- |

► COM6 (J16)

| Pin | Assignment | Pin | Assignment |
|-----|------------|-----|------------|
| 1 | MDCD- | 2 | MSIN- |
| 3 | MSO- | 4 | MDTR- |
| 5 | GND | 6 | MDSR- |
| 7 | MRTS- | 8 | MCTS- |
| 9 | MRI- | 10 | ---- |

► Front Panel (J18)

| Pin | Assignment | Pin | Assignment |
|-----|------------|-----|------------|
| 1 | NC | 2 | V_SUS_LED |
| 3 | 3V3 | 4 | V_SUS_LED |
| 5 | HDD_LED | 6 | SUS_LED |
| 7 | GND | 8 | GND |
| 9 | SYS_RST- | 10 | PWR_BTN- |
| 11 | NC | 12 | --- |

► DIO (J26)

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



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.

