


J1: LVDS Interface Connector

| PIN | Description | PIN | Description |
|-----|-------------|-----|------------------|
| 1 | LVDS_DDCCLK | 2 | LVDS DDCPDATA |
| 3 | PANEL1_VDD | 4 | LVDS_YAP0 |
| 5 | LVDS_YAP3 | 6 | LVDS_YAM0 |
| 7 | LVDS_YAM3 | 8 | PANEL1_VDD |
| 9 | GND | 10 | LVDS_YAP1 |
| 11 | LVDS_CLKAP | 12 | LVDS_YAM1 |
| 13 | LVDS_CLKAM | 14 | GND |
| 15 | GND | 16 | PANEL1_BACKLIGHT |
| 17 | LVDS_YAP2 | 18 | PANEL1_BACKLIGHT |
| 19 | LVDS_YAM2 | 20 | GND |

JP13: Parallel Port

| PIN | Description | PIN | Description | PIN | Description |
|-----|-------------|-----|-------------|-----|-------------|
| 1 | STB# | 2 | PD0 | 3 | PD1 |
| 4 | PD2 | 5 | PD3 | 6 | PD4 |
| 7 | PD5 | 8 | PD6 | 9 | PD7 |
| 10 | ACK# | 11 | BUSY | 12 | PE |
| 13 | SLCT | 14 | AFD# | 15 | ERR# |
| 16 | INIT# | 17 | SLIN# | 18 | GND |
| 19 | GND | 20 | GND | 21 | GND |
| 22 | GND | 23 | GND | 24 | GND |
| 25 | GND | | | | |

JP17: FSB Select (852GME Only)

| PIN | Description |
|-----------|-------------|
| 1,2 Short | 533MHz |
| *1,2 Open | 400MHz |

J3: AT Power Connector

| PIN | Description | PIN | Description |
|-----|-------------|-----|---------------|
| 1 | +12V | 5 | +5V |
| 6 | +5V | | GND: PIN2,3,4 |

JP1: LVDS Power Select

| PIN | Description |
|------------|-------------|
| 1,2 Short | +5V |
| *2,3 Short | +3.3V |

J5: ATX Power Connector

| PIN | Description | PIN | Description |
|-----|-------------|-----|-------------|
| 1 | ATX5VSB | 2 | GND |
| 3 | PSON# | | |

JP2: FSB Select

| PIN | Description |
|------------|-------------|
| 1,2 Short | 133MHz |
| *2,3 Short | 100MHz |

J2: LVDS Inverter

| PIN | Description | PIN | Description |
|-----|-------------------|-----|---------------|
| 1 | PANEL1_BAC KLIGHT | 2 | PANEL1_VDD |
| 5 | NC | 6 | LVDS_BKLT CTL |

JP4: On Board RTC

| PIN | Description |
|-------------------------|----------------|
| *1,2 Short by wire-wrap | Operation Mode |
| 2,3 Short by wire-wrap | Clear CMOS |

JP10: Digital IO

| PIN | Description | PIN | Description |
|-----|-----------------|-----|------------------|
| 1 | Digital Input 1 | 2 | Digital Output 1 |
| 3 | Digital Input 2 | 4 | Digital Output 2 |
| 5 | Digital Input 3 | 6 | Digital Output 3 |
| 7 | Digital Input 4 | 8 | Digital Output 4 |

USB1: USB Port 2

| PIN | Description | PIN | Description |
|-----|-------------|-----|---------------|
| 1 | +5V | 2 | USBP2- |
| 3 | USBP2+ | | GND: PIN4,5,6 |

JP11: USB Port 2-3

| PIN | Description | PIN | Description |
|-----|-------------|-----|-------------|
| 1 | +5V | 2 | USBP3- |
| 3 | USBP3+ | 6 | USBP4+ |
| 7 | USBP4- | 8 | +5V |

JP7: CPLD Programming JTAG

| PIN | Description | PIN | Description |
|-----|-------------|-----|-------------|
| 1 | +3.3 VSBY | 2 | GND |
| 3 | TCK | 4 | TDO |
| 5 | TDI | 6 | TMS |

J6: External Speaker

| PIN | Description | PIN | Description |
|-----|-------------|-----|-------------|
| 1 | Speaker | 4 | +5V |

JP8: LAN Speed LED

| PIN | Description | PIN | Description |
|-----|-------------|-----|-------------|
| 1 | LAN_Speed# | 2 | 5VSB |

J8: Keylock

| PIN | Description | PIN | Description |
|-----|-------------|-----|-------------|
| 1 | KL_VCC | 2 | NC |
| 4 | KEYLOCK | | GND: PIN3,5 |

JP9: LAN Act/Link LED

| PIN | Description | PIN | Description |
|-----|-------------|-----|-------------|
| 1 | LAN_Active# | 2 | LAN_Link# |

JP3: HDD LED

| PIN | Description | PIN | Description |
|-----|-------------|-----|-------------|
| 1 | +3.3V | 2 | HDD_LED |

J4: FAN Connector

| PIN | Description | PIN | Description |
|-----|-------------|-----|-------------|
| 1 | GND | 2 | FAN_VCC |
| 3 | FAN_TAC | | |

JP6: Hardware Reset

| PIN | Description | PIN | Description |
|-----|-------------|-----|-------------|
| 1 | RESET# | 2 | GND |

JP5: Power Button

| PIN | Description | PIN | Description |
|-----|-------------|-----|-------------|
| 1 | PWRBT# | 2 | GND |

JP14: Audio Line In

| PIN | Description | PIN | Description |
|-----|--------------|-----|---------------|
| 1 | Line In Left | 2 | Audio GND |
| 3 | JD2 | 4 | Line In Right |

SW1: Serial Port Mode Select

| Mode | SW1-1 | SW1-2 | SW1-3 | SW1-4 |
|-------|-------|-------|-------|-------|
| RS232 | OFF | OFF | OFF | OFF |
| RS422 | ON | ON | ON | ON |
| RS485 | ON | ON | OFF | ON |

For further information, please visit our website:

 * =Default Web:<http://www.nexcom.com>
JP15: Audio Mic In

| PIN | Description | PIN | Description |
|-----|-------------|-----|-------------|
| 1 | Mic In 1 | 2 | Audio GND |
| 3 | JD2 | 4 | Mic In 2 |

J7: Serial Port

| PIN | Description | PIN | Description | PIN | Description |
|-----|-------------|-----|-------------|-----|-------------|
| 1 | SP_DCD1 | 2 | SP_DSR1 | 3 | SP_RXD1 |
| 4 | SP_RTS1 | 5 | SP_TXD1 | 6 | SP_CTS1 |
| 7 | SP_DTR1 | 8 | SP_RI1 | 9 | GND |
| 10 | NC | 11 | SP_DCD2 | 12 | SP_DSR2 |
| 13 | SP_RXD2 | 14 | SP_RTS2 | 15 | SP_TXD2 |
| 16 | SP_CTS2 | 17 | SP_DTR2 | 18 | SP_RI2 |
| 19 | GND | 20 | NC | 21 | SP_DCD3 |
| 22 | SP_DSR3 | 23 | SP_RXD3 | 24 | SP_RTS3 |
| 25 | SP_TXD3 | 26 | SP_CTS3 | 27 | SP_DTR3 |
| 28 | SP_RI3 | 29 | GND | 30 | NC |
| 31 | SP_DCD4 | 32 | SP_DSR4 | 33 | SP_RXD4 |
| 34 | SP_RTS4 | 35 | SP_TXD4 | 36 | SP_CTS4 |
| 37 | SP_DTR4 | 38 | SP_RI4 | 39 | GND |
| 40 | NC | | | | |

JP12: Audio Line Out

| PIN | Description | PIN | Description |
|-----|---------------|-----|----------------|
| 1 | Line Out Left | 2 | Audio GND |
| 3 | JD1 | 4 | Line Out Right |

JP18: Pin Header for Thermal Alert LED

| PIN | Description | PIN | Description |
|-----|-------------|-----|---------------|
| 1 | VCC5 | 2 | Thermal Alert |