

| Function | PinName | IOTyp e | Default IOState | Default Pull-up/-down | Multi2 (DDR4) | Multi3 (DDR3) | Multi4 (LPDDR3) | Multi5 (LPDDR4) | Multi6 | PIN Power Domain | PIN Power Domain Voltage Range(V) | |
|----------|------------|---------|-----------------|-----------------------|---------------|---------------|-----------------|-----------------|-----------|------------------|-----------------------------------|--|
| DRAM | SDQ[31:0] | I/O | | | SDQ[31:0] | SDQ[31:0] | SDQ[31:0] | SDQ[31:0] | | VCC-DRAM | 1.5V/ 1.35V/ 1.2V/ 1.1V | |
| | SDQSP[3:0] | I/O | | | SDQSP[3:0] | SDQSP[3:0] | SDQSP[3:0] | SDQSP[3:0] | | | | |
| | SDQSN[3:0] | I/O | | | SDQSN[3:0] | SDQSN[3:0] | SDQSN[3:0] | SDQSN[3:0] | | | | |
| | SDQM[3:0] | I/O | | | SDQM[3:0] | SDQM[3:0] | SDQM[3:0] | SDQM[3:0] | | | | |
| | SCK0P | O | | | SCK0P | SCK0P | SCK0P | SCK0P | SCK0P | | | |
| | SCK0N | O | | | SCK0N | SCK0N | SCK0N | SCK0N | SCK0N | | | |
| | SCKE[1:0] | O | | | SCKE[1:0] | SCKE[1:0] | SCKE[1:0] | SCKE[1:0] | SCKE[1:0] | | | |
| | SA0 | O | | | SA0 | SA0 | SA0 | SA0 | SA0 | | | |
| | SA1 | O | | | SA1 | SA1 | SA1 | SA1 | SA1 | | | |
| | SA2 | O | | | SA2 | SA2 | SA2 | SA2 | SA2 | | | |
| | SA3 | O | | | SA3 | SA3 | SA3 | SA3 | SA3 | | | |
| | SA4 | O | | | SA4 | SA4 | SA4 | SA4 | SA4 | | | |
| | SA5 | O | | | SA5 | SA5 | SA5 | SA5 | SA5 | | | |
| | SA6 | O | | | SA6 | SA6 | SA6 | SA6 | / | | | |
| | SA7 | O | | | SA7 | SA7 | SA7 | SA7 | / | | | |
| | SA8 | O | | | SA8 | SA8 | SA8 | SA8 | / | | | |
| | SA9 | O | | | SA9 | SA9 | SA9 | SA9 | / | | | |
| | SA10 | O | | | SA10 | SA10 | SA10 | / | / | | | |
| | SA11 | O | | | SA11 | SA11 | SA11 | / | / | | | |
| | SA12 | O | | | SA12 | SA12 | SA12 | / | / | | | |
| | SA13 | O | | | SA13 | SA13 | SA13 | / | / | | | |
| | SA14 | O | | | SWE/SA14 | SA14 | SA14 | / | / | | | |
| | SA15 | O | | | SCAS/SA15 | SA15 | SA15 | / | / | | | |
| | SA16 | O | | | SRAS/SA16 | SWE | SWE | / | / | | | |
| | SACT | O | | | SACT | SRAS | SRAS | / | / | | | |
| | SCS0 | O | | | SCS0 | SCS0 | SCS0 | SCS0 | SCS0 | | | |
| | SCS1 | O | | | SCS1 | SCS1 | SCS1 | SCS1 | SCS1 | | | |
| | SBA0 | O | | | SBA0 | SBA0 | SBA0 | / | / | | | |
| | SBA1 | O | | | SBA1 | SBA1 | SBA1 | / | / | | | |
| | SBG0 | O | | | SBG0 | SBA2 | SBA2 | / | / | | | |
| | SBG1 | O | | | SBG1 | SCAS | SCAS | / | / | | | |
| | SODT[1:0] | O | | | SODT[1:0] | SODT[1:0] | SODT[1:0] | SODT[1:0] | SODT[1:0] | | | |
| SRST | O | | | SRST | SRST | SRST | / | / | | | | |
| SZQ | A | | | RZQ | RZQ | RZQ | RZQ | RZQ | | | | |
| VCC-DRAM | P | | | VCC-DRAM | VCC-DRAM | VCC-DRAM | VCC-DRAM | VCC-DRAM | | | | |
| VDD18- | P | | | VDD18-DRAM | VDD18-DRAM | VDD18-DRAM | VDD18-DRAM | VDD18-DRAM | | | | |
| PA | PA0 | I/O | DIS | | RMII-RXD1 | | TWIO-SCK | | PA-EINT0 | VCC-PA | 3.3V | |
| | PA1 | I/O | DIS | | RMII-RXD0 | | TWIO-SDA | | PA-EINT1 | | | |
| | PA2 | I/O | DIS | | RMII-CRS-DV | | TW11-SCK | | PA-EINT2 | | | |
| | PA3 | I/O | DIS | | RMII-RXER | | TW11-SDA | | PA-EINT3 | | | |
| | PA4 | I/O | DIS | | RMII-TXD1 | STANDBY-STATE | | | PA-EINT4 | | | |
| | PA5 | I/O | DIS | | RMII-TXD0 | H-I2S0-DOUT0 | | | PA-EINT5 | | | |
| | PA6 | I/O | DIS | | RMII-TXCK | H-I2S0-MCLK | | | PA-EINT6 | | | |
| | PA7 | I/O | DIS | | RMII-TXEN | H-I2S0-BCLK | | | PA-EINT7 | | | |
| | PA8 | I/O | DIS | | MDC | H-I2S0-LRCK | | | PA-EINT8 | | | |

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|----|--------|-----|----------|----|-----------|-------------|--------------|-----------|-----------|
| | PA9 | I/O | DIS | | MDIO | H-I2S0-DIN0 | | | PA-EINT9 |
| | PA10 | I/O | DIS | up | TWI3-SCK | | | | PA-EINT10 |
| | PA11 | I/O | DIS | up | TWI3-SDA | | | | PA-EINT11 |
| | PA12 | I/O | DIS | | PWM5 | | WATCHDOG-SIG | | PA-EINT12 |
| | VCC-PA | P | | | | | | | |
| PC | PC0 | I/O | DIS | up | NAND-WE | SDC2-DS | SPI0-CLK | | PC-EINT0 |
| | PC1 | I/O | DIS | | NAND-ALE | SDC2-RST | | | PC-EINT1 |
| | PC2 | I/O | DIS | | NAND-CLE | | SPI0-MOSI | | PC-EINT2 |
| | PC3 | I/O | bootless | up | NAND-CE1 | | SPI0-CS0 | BOOT-SEL1 | PC-EINT3 |
| | PC4 | I/O | bootless | up | NAND-CE0 | | SPI0-MISO | BOOT-SEL2 | PC-EINT4 |
| | PC5 | I/O | bootless | up | NAND-RE | SDC2-CLK | | BOOT-SEL3 | PC-EINT5 |
| | PC6 | I/O | bootless | up | NAND-RB0 | SDC2-CMD | | BOOT-SEL4 | PC-EINT6 |
| | PC7 | I/O | DIS | up | NAND-RB1 | | SPI0-CS1 | | PC-EINT7 |
| | PC8 | I/O | DIS | | NAND-DQ7 | SDC2-D3 | | | PC-EINT8 |
| | PC9 | I/O | DIS | | NAND-DQ6 | SDC2-D4 | | | PC-EINT9 |
| | PC10 | I/O | DIS | | NAND-DQ5 | SDC2-D0 | | | PC-EINT10 |
| | PC11 | I/O | DIS | | NAND-DQ4 | SDC2-D5 | | | PC-EINT11 |
| | PC12 | I/O | DIS | | NAND-DQS | | | | PC-EINT12 |
| | PC13 | I/O | DIS | | NAND-DQ3 | SDC2-D1 | | | PC-EINT13 |
| | PC14 | I/O | DIS | | NAND-DQ2 | SDC2-D6 | | | PC-EINT14 |
| | PC15 | I/O | DIS | | NAND-DQ1 | SDC2-D2 | SPI0-WP | | PC-EINT15 |
| | PC16 | I/O | DIS | | NAND-DQ0 | SDC2-D7 | SPI0-HOLD | | PC-EINT16 |
| | VCC-PC | P | | | | | | | |
| PD | PD0 | I/O | DIS | | LCD-D0 | LVDS0-V0P | TS0-CLK | | PD-EINT0 |
| | PD1 | I/O | DIS | | LCD-D1 | LVDS0-V0N | TS0-ERR | | PD-EINT1 |
| | PD2 | I/O | DIS | | LCD-D2 | LVDS0-V1P | TS0-SYNC | | PD-EINT2 |
| | PD3 | I/O | DIS | | LCD-D3 | LVDS0-V1N | TS0-DVLD | | PD-EINT3 |
| | PD4 | I/O | DIS | | LCD-D4 | LVDS0-V2P | TS0-D0 | | PD-EINT4 |
| | PD5 | I/O | DIS | | LCD-D5 | LVDS0-V2N | TS0-D1 | | PD-EINT5 |
| | PD6 | I/O | DIS | | LCD-D6 | LVDS0-CKP | TS0-D2 | | PD-EINT6 |
| | PD7 | I/O | DIS | | LCD-D7 | LVDS0-CKN | TS0-D3 | | PD-EINT7 |
| | PD8 | I/O | DIS | | LCD-D8 | LVDS0-V3P | TS0-D4 | | PD-EINT8 |
| | PD9 | I/O | DIS | | LCD-D9 | LVDS0-V3N | TS0-D5 | | PD-EINT9 |
| | PD10 | I/O | DIS | | LCD-D10 | LVDS1-V0P | TS0-D6 | | PD-EINT10 |
| | PD11 | I/O | DIS | | LCD-D11 | LVDS1-V0N | TS0-D7 | | PD-EINT11 |
| | PD12 | I/O | DIS | | LCD-D12 | LVDS1-V1P | SIM0-VPPEN | | PD-EINT12 |
| | PD13 | I/O | DIS | | LCD-D13 | LVDS1-V1N | SIM0-VPPPP | | PD-EINT13 |
| | PD14 | I/O | DIS | | LCD-D14 | LVDS1-V2P | SIM0-PWREN | | PD-EINT14 |
| | PD15 | I/O | DIS | | LCD-D15 | LVDS1-V2N | SIM0-CLK | | PD-EINT15 |
| | PD16 | I/O | DIS | | LCD-D16 | LVDS1-CKP | SIM0-DATA | | PD-EINT16 |
| | PD17 | I/O | DIS | | LCD-D17 | LVDS1-CKN | SIM0-RST | | PD-EINT17 |
| | PD18 | I/O | DIS | | LCD-D18 | LVDS1-V3P | SIM0-DET | | PD-EINT18 |
| | PD19 | I/O | DIS | | LCD-D19 | LVDS1-V3N | | | PD-EINT19 |
| | PD20 | I/O | DIS | | LCD-D20 | | | | PD-EINT20 |
| | PD21 | I/O | DIS | | LCD-D21 | | | | PD-EINT21 |
| | PD22 | I/O | DIS | | LCD-D22 | | | | PD-EINT22 |
| | PD23 | I/O | DIS | | LCD-D23 | | | | PD-EINT23 |
| | PD24 | I/O | DIS | | LCD-CLK | | | | PD-EINT24 |
| | PD25 | I/O | DIS | | LCD-DE | | | | PD-EINT25 |
| | PD26 | I/O | DIS | | LCD-HSYNC | | | | PD-EINT26 |

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|------|----------|-----|-----|-------------|--------------|--------------|--------------|------------|-----------|
| | PD27 | I/O | DIS | | LCD-VSYNC | | | | PD-EINT27 |
| | PD28 | I/O | DIS | | PWM0 | | | | PD-EINT28 |
| | VCC-LVDS | P | | | | | | | |
| | VCC-PD | P | | | | | | | |
| PE | PE0 | I/O | DIS | | NCSI-PCLK | | | | PE-EINT1 |
| | PE1 | I/O | DIS | | NCSI-MCLK | | | | PE-EINT2 |
| | PE2 | I/O | DIS | | NCSI-HSYNC | | | | PE-EINT3 |
| | PE3 | I/O | DIS | | NCSI-VSYNC | | | | PE-EINT4 |
| | PE4 | I/O | DIS | | NCSI-D0 | | | | PE-EINT5 |
| | PE5 | I/O | DIS | | NCSI-D1 | | | | PE-EINT6 |
| | PE6 | I/O | DIS | | NCSI-D2 | | | | PE-EINT7 |
| | PE7 | I/O | DIS | | NCSI-D3 | | | | PE-EINT8 |
| | PE8 | I/O | DIS | | NCSI-D4 | | | | PE-EINT9 |
| | PE9 | I/O | DIS | | NCSI-D5 | | | | PE-EINT10 |
| | PE10 | I/O | DIS | | NCSI-D6 | | | | PE-EINT11 |
| | PE11 | I/O | DIS | | NCSI-D7 | | | | PE-EINT12 |
| | PE12 | I/O | DIS | | NCSI-D8 | | | | PE-EINT13 |
| | PE13 | I/O | DIS | | NCSI-D9 | | | | PE-EINT14 |
| | PE14 | I/O | DIS | | NCSI-D10 | | | | PE-EINT15 |
| | PE15 | I/O | DIS | | NCSI-D11 | | | | PE-EINT16 |
| | PE16 | I/O | DIS | | NCSI-D12 | | | | PE-EINT17 |
| | PE17 | I/O | DIS | | NCSI-D13 | | | | PE-EINT18 |
| | PE18 | I/O | DIS | | NCSI-D14 | | | | PE-EINT19 |
| | PE19 | I/O | DIS | | NCSI-D15 | | | | PE-EINT20 |
| | PE20 | I/O | DIS | | NCSI-SCK | | | TWI2-SCK | PE-EINT21 |
| | PE21 | I/O | DIS | | NCSI-SDA | | | TWI2-SDA | PE-EINT22 |
| | PE22 | I/O | DIS | | CSI-FSIN0 | | | TCON-TRIGO | PE-EINT23 |
| | VCC-PE | P | | | | | | | |
| PF | PF0 | I/O | DIS | | SDC0-D1 | JTAG-MS | | | PF-EINT0 |
| | PF1 | I/O | DIS | | SDC0-D0 | JTAG-DI | | | PF-EINT1 |
| | PF2 | I/O | DIS | | SDC0-CLK | UART0-TX | | | PF-EINT2 |
| | PF3 | I/O | DIS | pull-up | SDC0-CMD | JTAG-DO | | | PF-EINT3 |
| | PF4 | I/O | DIS | | SDC0-D3 | UART0-RX | | | PF-EINT4 |
| | PF5 | I/O | DIS | | SDC0-D2 | JTAG-CK | | | PF-EINT5 |
| | PF6 | I/O | DIS | pull-up | | | | | PF-EINT6 |
| PG | PG0 | I/O | DIS | | SDC1-CLK | | | | PG-EINT0 |
| | PG1 | I/O | DIS | pull-up | SDC1-CMD | | | | PG-EINT1 |
| | PG2 | I/O | DIS | pull-up | SDC1-D0 | | | | PG-EINT2 |
| | PG3 | I/O | DIS | pull-up | SDC1-D1 | | | | PG-EINT3 |
| | PG4 | I/O | DIS | pull-up | SDC1-D2 | | | | PG-EINT4 |
| | PG5 | I/O | DIS | pull-up | SDC1-D3 | | | | PG-EINT5 |
| | PG6 | I/O | DIS | | UART1-TX | | JTAG-MS | | PG-EINT6 |
| | PG7 | I/O | DIS | | UART1-RX | | JTAG-CK | | PG-EINT7 |
| | PG8 | I/O | DIS | | UART1-RTS | PLL-LOCK-DBG | JTAG-DO | | PG-EINT8 |
| | PG9 | I/O | DIS | | UART1-CTS | | JTAG-DI | | PG-EINT9 |
| | PG10 | I/O | DIS | | H-I2S2-MCLK | X32KFOUT | | | PG-EINT10 |
| | PG11 | I/O | DIS | | H-I2S2-BCLK | | BIST-RESULT0 | | PG-EINT11 |
| | PG12 | I/O | DIS | | H-I2S2-LRCK | | BIST-RESULT1 | | PG-EINT12 |
| | PG13 | I/O | DIS | | H-I2S2-DOUT0 | H-I2S2-DIN1 | BIST-RESULT2 | | PG-EINT13 |
| PG14 | I/O | DIS | | H-I2S2-DIN0 | H-I2S2-DOUT1 | BIST-RESULT3 | | PG-EINT14 | |

VCC-PE

3.3V/2.8V/1.8V

VCC-IO/VCC-PLL

3.3V/1.8V

VCC-PG

3.3V
/1.8V

| | | | | | | | | | | | |
|----------|----------|-----|-----|-----------|-----------------------|--------------|--------------|--------------|-----------|----------|----------------|
| | PG15 | I/O | DIS | | UART2-TX | | | TWI4-SCK | PG-EINT15 | | |
| | PG16 | I/O | DIS | | UART2-RX | | | TWI4-SDA | PG-EINT16 | | |
| | PG17 | I/O | DIS | | UART2-RTS | MCSI-SCK | | TWI3-SCK | PG-EINT17 | | |
| | PG18 | I/O | DIS | | UART2-CTS | MCSI-SDA | | TWI3-SDA | PG-EINT18 | | |
| | PG19 | I/O | DIS | | | MCSI-MCLK | PWM1 | | PG-EINT19 | | |
| | VCC-PG | P | | | | | | | | | |
| PH | PH0 | I/O | DIS | | UART0-TX | | PWM3 | TWI1-SCK | PH-EINT0 | VCC-IO | 3.3V |
| | PH1 | I/O | DIS | | UART0-RX | | PWM4 | TWI1-SDA | PH-EINT1 | | |
| | PH2 | I/O | DIS | | UART5-TX | SPDIF-CLK | PWM2 | TWI2-SCK | PH-EINT2 | | |
| | PH3 | I/O | DIS | | UART5-RX | SPDIF-IN | PWM1 | TWI2-SDA | PH-EINT3 | | |
| | PH4 | I/O | DIS | | | SPDIF-OUT | | TWI3-SCK | PH-EINT4 | | |
| | PH5 | I/O | DIS | | UART2-TX | H-I2S3-MCLK | SPI1-CS0 | TWI3-SDA | PH-EINT5 | | |
| | PH6 | I/O | DIS | | UART2-RX | H-I2S3-BCLK | SPI1-CLK | TWI4-SCK | PH-EINT6 | | |
| | PH7 | I/O | DIS | | UART2-RTS | H-I2S3-LRCK | SPI1-MOSI | TWI4-SDA | PH-EINT7 | | |
| | PH8 | I/O | DIS | | UART2-CTS | H-I2S3-DOUT0 | SPI1-MISO | H-I2S3-DIN1 | PH-EINT8 | | |
| | PH9 | I/O | DIS | | | H-I2S3-DIN0 | SPI1-CS1 | H-I2S3-DOUT1 | PH-EINT9 | | |
| | PH10 | I/O | DIS | | | IR-RX | TCON-TRIG1 | | PH-EINT10 | | |
| | VCC-IO | P | | | | | | | | | |
| PI | PI0 | I/O | DIS | | RGMII-RXD3/RMII-NUL | DMIC-CLK | H-I2S0-MCLK | HDMI-SCL | PI-EINT0 | VCC-PI | 3.3V/2.8V/1.8V |
| | PI1 | I/O | DIS | | RGMII-RXD2/RMII-NUL | DMIC-DATA0 | H-I2S0-BCLK | HDMI-SDA | PI-EINT1 | | |
| | PI2 | I/O | DIS | | RGMII-RXD1/RMII-RXD1 | DMIC-DATA1 | H-I2S0-LRCK | HDMI-CEC | PI-EINT2 | | |
| | PI3 | I/O | DIS | | RGMII-RXD0/RMII-RXD0 | DMIC-DATA2 | H-I2S0-DOUT0 | H-I2S0-DIN1 | PI-EINT3 | | |
| | PI4 | I/O | DIS | | RGMII-RXCK/RMII-NUL | DMIC-DATA3 | H-I2S0-DIN0 | H-I2S0-DOUT1 | PI-EINT4 | | |
| | PI5 | I/O | DIS | | RGMII-RXCTL/RMII-CRS | UART2-TX | TS0-CLK | TWI0-SCK | PI-EINT5 | | |
| | PI6 | I/O | DIS | | RGMII-NUL/RMII-RXER | UART2-RX | TS0-ERR | TWI0-SDA | PI-EINT6 | | |
| | PI7 | I/O | DIS | | RGMII-TXD3/RMII-NUL | UART2-RTS | TS0-SYNC | TWI1-SCK | PI-EINT7 | | |
| | PI8 | I/O | DIS | | RGMII-TXD2/RMII-NUL | UART2-CTS | TS0-DVLD | TWI1-SDA | PI-EINT8 | | |
| | PI9 | I/O | DIS | | RGMII-TXD1/RMII-TXD1 | UART3-TX | TS0-D0 | TWI2-SCK | PI-EINT9 | | |
| | PI10 | I/O | DIS | | RGMII-TXD0/RMII-TXD0 | UART3-RX | TS0-D1 | TWI2-SDA | PI-EINT10 | | |
| | PI11 | I/O | DIS | | RGMII-TXCK/RMII-TXCK | UART3-RTS | TS0-D2 | PWM1 | PI-EINT11 | | |
| | PI12 | I/O | DIS | | RGMII-TXCTL/RMII-TXEN | UART3-CTS | TS0-D3 | PWM2 | PI-EINT12 | | |
| | PI13 | I/O | DIS | | RGMII-CLKIN/RMII-NUL | UART4-TX | TS0-D4 | PWM3 | PI-EINT13 | | |
| | PI14 | I/O | DIS | | MDC | UART4-RX | TS0-D5 | PWM4 | PI-EINT14 | | |
| | PI15 | I/O | DIS | | MDIO | UART4-RTS | TS0-D6 | CLK-FANOUT0 | PI-EINT15 | | |
| | PI16 | I/O | DIS | | EPHY-25M | UART4-CTS | TS0-D7 | CLK-FANOUT1 | PI-EINT16 | | |
| | VCC-PI | P | | | | | | | | | |
| PL | PL0 | I/O | DIS | pull-up | RSB-SCK | S-TWI0-SCK | | | | VCC-RTC | 1.8V |
| | PL1 | I/O | DIS | pull-up | RSB-SDA | S-TWI0-SDA | | | | | |
| MIPI-CSI | MCSI-D0N | A | | | | | | | | VCC-MCSI | 1.8V |
| | MCSI-D0P | A | | | | | | | | | |
| | MCSI-D1N | A | | | | | | | | | |
| | MCSI-D1P | A | | | | | | | | | |
| | MCSI-D2N | A | | | | | | | | | |
| | MCSI-D2P | A | | | | | | | | | |
| | MCSI-D3N | A | | | | | | | | | |
| | MCSI-D3P | A | | | | | | | | | |
| | MCSI-CKN | A | | | | | | | | | |
| | MCSI-CKP | A | | | | | | | | | |
| | VCC-MCSI | P | | | | | | | | | |
| TEST | TEST | I | | pull-down | | | | | | | |

| | | | | | | | | | | |
|----------------|----------|-----|--|---------|--|--|---------|------------------|----------|------|
| IRQ | EXTIRQ | OD | | pull-up | | | | | VCC-RTC | 1.8V |
| NMI | NMI | I/O | | no-pull | | | | | | |
| RESET | RESET | I/O | | no-pull | | | | | | |
| UBOOT | FEL | I | | pull-up | | | | | | |
| BOOT- | BOOT-SEL | I | | pull-up | | | | | VCC-IO | 3.3V |
| JTAGSEL | JTAG-SEL | I | | pull-up | | | | | | |
| HDMI | HTX0P | A | | | | | | | VCC-HDMI | 1.8V |
| | HTX0N | A | | | | | | | | |
| | HTX1P | A | | | | | | | | |
| | HTX1N | A | | | | | | | | |
| | HTX2P | A | | | | | | | | |
| | HTX2N | A | | | | | | | | |
| | HTXCP | A | | | | | | | | |
| | HTXCN | A | | | | | | | | |
| | HSC_L | A | | | | | | | | |
| | HSDA | A | | | | | | | | |
| | HCEC | A | | | | | | | | |
| | HHPD | A | | | | | | | | |
| VCC-HDMI | P | | | | | | | | | |
| audio codec | VRA1 | A | | | | | | AVCC | 1.8V | |
| | VRA2 | A | | | | | | | | |
| | REXT | A | | | | | | | | |
| | AVCC | P | | | | | | | | |
| | LINEOUTL | A | | | | | | | | |
| | LINEOUTR | A | | | | | | | | |
| | LINEINR | A | | | | | | | | |
| | LINEINL | A | | | | | | | | |
| | FMINR | A | | | | | | | | |
| | FMINL | A | | | | | | | | |
| AGND | G | | | | | | | | | |
| TV-OUT | TV-OUT | A | | | | | | VCC-TV | 1.8V | |
| | VCC-TV | P | | | | | | | | |
| USB | USB0-DM | A | | | | | | VCC-USB/VCC-USB2 | 3.3V | |
| | USB0-DP | A | | | | | | | | |
| | USB1-DM | A | | | | | | | | |
| | USB1-DP | A | | | | | | | | |
| | USB2-DM | A | | | | | | | | |
| | USB2-DP | A | | | | | | | | |
| | USB3-DM | A | | | | | | | | |
| | USB3-DP | A | | | | | | | | |
| | VCC-USB | P | | | | | | | | |
| VCC-USB2 | P | | | | | | | | | |
| ADC | LRADC | A | | | | | | AVCC | 1.8V | |
| | GPADC0 | A | | | | | | | | |
| | GPADC1 | A | | | | | | | | |
| | GPADC2 | A | | | | | | | | |
| | GPADC3 | A | | | | | | | | |
| VCC-PLL | P | | | | | | VCC-PLL | 1.8V | | |
| | DXIN | A | | | | | | | | |
| | DXOUT | A | | | | | | | | |

| | | | | | | | | | | | |
|-------|------------|---|--|--|--|--|--|--|--|----------|------|
| DCXO | WREQIN | A | | | | | | | | VCC-DCXO | 1.8V |
| | REFCLK-OUT | A | | | | | | | | | |
| | DXLDO-OUT | P | | | | | | | | | |
| | VCC-DCXO | P | | | | | | | | | |
| RTC | X32KIN | A | | | | | | | | VCC-RTC | 1.8V |
| | X32KOUT | A | | | | | | | | | |
| | VCC-RTC | P | | | | | | | | | 0.9V |
| | RTC-VIO | P | | | | | | | | | |
| POWER | VDD-SYS | P | | | | | | | | | |
| | VDD-SYSFB | | | | | | | | | | |
| | VDD-CPU | P | | | | | | | | | |
| | VDD-CPUFB | | | | | | | | | | |
| | VDD-GPU | P | | | | | | | | | |
| | VDD-GPUFB | | | | | | | | | | |
| | GND | G | | | | | | | | | |

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