| 版本 | 更新时间 | 修改内容 | | | | | | | | | 修改人 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| V1.1 | 2018.09.04 | 正式版 | | | | | | | | | XHF |

| PX30 Pin No. | PX30 Pin Name | Pin Type | I/O Def | I/O Pull | Default Drive (mA) | Func 1 | Func 2 | Func 3 | Func 4 | Func5 | Defualt function | RK618+CVBS_IN | Description |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **PART I** | | | | | | | | | | | | | |
| **W19** | NPOR | I | I | up | 4 | NPOR | | | | | RESET | | System reset input |
| **W20** | TVSS | I | I | down | 4 | TEST | | | | | VSS | | connect to VSS default |
| **U20** | OSC_24M_IN | I | I | N/A | 4 | OSC_24M_IN | | | | | 24MXIN_OSC | | Oscillator 24MHz clock input |
| **U21** | OSC_24M_OUT | O | O | N/A | 4 | OSC_24M_OUT | | | | | 24MXOUT_OSC | | Oscillator 24MHz clock output |
| **Y21** | GPIO0_A0/REF_CLKO | I/O | I | down | 4 | GPIO0A0 | clk_out_wifi | | | | REF_CLKO | RK618_RST | Reference clock output |
| **Y20** | GPIO0_A1 | I/O | I | down | 4 | GPIO0A1 | | | | | BT_REG_ON | BT_REG_ON | BT_REG_ON |
| **V21** | GPIO0_A2 | I/O | I | down | 4 | GPIO0A2 | | | | | WIFI_REG_ON | WIFI_REG_ON | WIFI module wake up AP |
| **AA20** | GPIO0_A3/SDMMC0_DETN | I/O | I | up | 4 | GPIO0A3 | sdmmc0_detn | | | | SDMMC0_DET | SDMMC0_DET | SDMMC0 power control output |
| **V20** | GPIO0_A4/PMIC_SLEEP/TSADC_SHUT_M1 | I/O | I | down | 4 | GPIO0A4 | pmic_sleep | tsadc_shutm1 | | | PMIC_SLEEP | PMIC_SLEEP | PMIC sleep control output |
| **T21** | GPIO0_A5 | I/O | I | up | 4 | GPIO0A5 | | | | | TP_INT | TP_INT | Touch pannel interrupt |
| **W21** | GPIO0_A6/TSADC_SHUT_M0/TSADC_SHUTORG | I/O | I | Z | 4 | GPIO0A6 | tsadc_shutm0 | tsadc_shutorg | | | TSADC_SHUT | TSADC_SHUT | Over-temperature protection reset power |
| **Y19** | GPIO0_A7 | I/O | I | up | 4 | GPIO0A7 | | | | | PMIC_INT | PMIC_INT | PMIC interrupt |
| **N18** | PLL_AVDD_1V0 | P | N/A | N/A | | | | | | | VDD_1V0 | VDD_1V0 | PLL analog power supply |
| **M18** | PLL_AVDD_1V8 | P | N/A | N/A | | | | | | | VCC_1V8 | VCC_1V8 | PLL analog power supply |
| **P17** | PMU_VDD_1V0 | P | N/A | N/A | | | | | | | VDD_1V0 | VDD_1V0 | PMU Post-Driver power supply |
| **T13** | OTP_VCC_1V8 | P | N/A | N/A | | | | | | | VCC_1V8 | VCC_1V8 | PMU digital I/O power supply |
| **U19** | PMUIO1 | P | N/A | N/A | | | | | | | VCC3V0_PMU | VCC3V0_PMU | PMUIO1 Post-Driver and digital I/O power supply |
| **N17** | AVSS | P | N/A | N/A | | | | | | | VSS | VSS | pll analog power ground |
| **PART J** | | | | | | | | | | | | | |
| **R21** | GPIO0_B0/I2C0_SCL | I/O | I | up | 4 | GPIO0B0 | i2c0_scl | | | | I2C0_SCL_PMIC | I2C0_SCL_PMIC | I2C serial port 0,for PMIC,need external pull-up |
| **P21** | GPIO0_B1/I2C0_SDA | I/O | I | up | 4 | GPIO0B1 | i2c0_sda | | | | I2C0_SDA_PMIC | I2C0_SDA_PMIC | I2C serial port 0,for PMIC,need external pull-up |
| **N20** | GPIO0_B2/UART0_TX | I/O | I | down | 4 | GPIO0B2 | uart0_tx | | | | WIFI_WAKE_HOST | WIFI_WAKE_HOST | WIFI module wake up AP |
| **P18** | GPIO0_B3/UART0_RX | I/O | I | down | 4 | GPIO0B3 | uart0_rx | | | | BT_WAKE_HOST | BT_WAKE_HOST | BT module wake up AP |
| **R18** | GPIO0_B4/UART0_CTS | I/O | I | up | 4 | GPIO0B4 | uart0_cts | | | | TP_RST | TP_RST | Touch pannel reset |
| **N19** | GPIO0_B5/UART0_RTS/TEST_CLK1 | I/O | I | up | 4 | GPIO0B5 | uart0_rts | test_clk1 | | | CHG_DET | CHG_DET | LCD panel power enable |
| **M19** | GPIO0_B7/PWM0/OTG_DRV | I/O | I | down | 4 | GPIO0B7 | pwm_0 | otg_drv | | | SENSOR_INT | SENSOR_INT | G-sensor interrupt |
| **N21** | GPIO0_C0/UART3_TX_M0/PWM1/PMU_DEBUG3 | I/O | I | down | 4 | GPIO0C0 | pwm_1 | uart3_txm0 | | | LCDC_BL_PWM | LCDC_BL_PWM | LCD panel backlight brightness control |
| **P19** | GPIO0_C1/UART3_RX_M0/PWM3/PMU_DEBUG4 | I/O | I | up | 4 | GPIO0C1 | pwm_3 | uart3_rxm0 | | | IR_IN | IR_IN | IR_IN |
| **T20** | GPIO0_C2/I2C1_SCL/UART3_CTS_M0 | I/O | I | down | 4 | GPIO0C2 | i2c1_scl | uart3_ctsm | | | I2C1_SCL | I2C1_SCL | I2C serial port 1,for TP/Sensor,need |
| **R20** | GPIO0_C3/I2C1_SDA/UART3_RTS_M0/PMU_DEBUG5 | I/O | I | down | 4 | GPIO0C3 | i2c1_sda | uart3_rtsm0 | | | I2C1_SDA | I2C1_SDA | I2C serial port 1,for TP/Sensor,need external pull-up |
| **P20** | GPIO0_C4/CLKIO_32K | I/O | I | Z | 4 | GPIO0C4 | clk_inout_32k | | | | CLKOUT_32K | CLKOUT_32K | 32KHz real time clock input or output |
| **R19** | FLASH_VOLSEL | I/O | I | up | 4 | GPIO0B6 | flash_vol_sel | | | | FLASH_VOLSEL | FLASH_VOLSEL | Nand Flash default power supply voltage select for boot |
| **T19** | PMUIO2 | P | N/A | N/A | | | | | | | VCC3V0_PMU | VCC3V0_PMU | PMUIO2 digital I/O power supply |
| **PART B** | | | | | | | | | | | | | |
| **AA5** | GPIO2_A0/CIF_D2_M0/RMII_TXEN | I/O | I | down | 4 | GPIO2A0 | cif_d2m0 | rmii_txen | | | RMII_TXEN | CIF_D2 | Camera data port |
| **AA8** | GPIO2_A1/CIF_D3_M0/RMII_TXD1 | I/O | I | down | 4 | GPIO2A1 | cif_d3m0 | rmii_txd1 | | | RMII_TXD1 | CIF_D3 | Camera data port |
| **AA7** | GPIO2_A2/CIF_D4_M0/RMII_TXD0 | I/O | I | down | 4 | GPIO2A2 | cif_d4m0 | rmii_txd0 | | | RMII_TXD0 | CIF_D4 | Camera data port |
| **Y6** | GPIO2_A3/CIF_D5_M0/RMII_RXD0 | I/O | I | down | 4 | GPIO2A3 | cif_d5m0 | rmii_rxd0 | | | RMII_RXD0 | CIF_D5 | Camera data port |
| **Y8** | GPIO2_A4/CIF_D6_M0/RMII_RXD1 | I/O | I | down | 4 | GPIO2A4 | cif_d6m0 | rmii_rxd1 | | | RMII_RXD1 | CIF_D6 | Camera data port |
| **Y7** | GPIO2_A5/CIF_D7_M0/RMII_RXER | I/O | I | down | 4 | GPIO2A5 | cif_d7m0 | rmii_rxer | | | RMII_RXER | CIF_D7 | Camera data port |

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| PX30 Pin No. | PX30 Pin Name | Pin Type | I/O Def | I/O Pull | Default Drive (mA) | Func 1 | Func 2 | Func 3 | Func 4 | Func5 | Defualt function | RK618+CVBS_IN | Description |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W5 | GPIO2_A6/CIF_D8_M0/RMII_RXDV | I/O | I | down | 4 | GPIO2A6 | cif_d8m0 | rmii_rxdv | | | RMII_RXDV | CIF_D8 | Camera data port |
| W7 | GPIO2_A7/CIF_D9_M0/RMII_MDIO | I/O | I | down | 4 | GPIO2A7 | cif_d9m0 | rmii_mdio | | | RMII_MDIO | CIF_D9 | Camera data port |
| U7 | GPIO2_B7/CIF_D10_M0/I2C2_SCL | I/O | I | up | 4 | GPIO2B7 | cif_d10m0 | i2c2_scl | | | I2C2_SCL | I2C2_SCL | Camera data port，I2C serial port 1,for camera,need external pull-up |
| V6 | GPIO2_C0/CIF_D11_M0/I2C2_SDA | I/O | I | up | 4 | GPIO2C0 | cif_d11m0 | i2c2_sda | | | I2C2_SDA | I2C2_SDA | Camera data port，I2C serial port 1,for camera,need external pull-up |
| Y4 | GPIO2_B0/CIF_VSYNC_M0 | I/O | I | down | 4 | GPIO2B0 | cif_vsyncm0 | | | | HOST_WAKE_BT | CIF_VSYNC | Camera vsync input |
| AA4 | GPIO2_B1/CIF_HREF_M0/RMII_MDC | I/O | I | down | 4 | GPIO2B1 | cif_hrefm0 | rmii_mdc | | | RMII_MDC | CIF_HREF | Camera href input |
| AA6 | GPIO2_B2/CIF_CLKI_M0/RMII_CLK | I/O | I | down | 4 | GPIO2B2 | cif_clkim0 | rmii_clk | | | RMII_CLK | CIF_CLKI | Camera clock input |
| Y5 | GPIO2_B3/CIF_CLKO_M0/CLK_OUT_ETHERNET | I/O | I | down | 4 | GPIO2B3 | cif_clkom0 | clk_out_ethernet | | | MIPI_CLKO | CVBS_RST | Camera clock output |
| V12 | GPIO2_B4/CIF_D0_M0/UART2_TX_M1 | I/O | I | down | 4 | GPIO2B4 | cif_d0m0 | uart2_txm1 | | | GPIO2_B4 | HDMI_INT | Camera data port |
| V7 | GPIO2_B5/PWM2 | I/O | I | down | 4 | GPIO2B5 | pwm_2 | | | | RMII_RST | CVBS_MODULE_EN | Camera power down control output for front |
| W6 | GPIO2_B6/CIF_D1_M0/UART2_RX_M1 | I/O | I | up | 4 | GPIO2B6 | cif_d1m0 | uart2_rxm1 | | | CIF_PDN0 | CVBS_INT | Camera data port |
| U6 | VCCIO3 | P | N/A | N/A | | | | | | | VCC_RMII | | |
| **PART K** | | | | | | | | | | | | | |
| J20 | GPIO1_C0/UART1_RX | I/O | I | up | 8 | GPIO1C0 | uart1_rx | | | | UART1_RXD | UART1_RXD | UART0 serial port, for BT module |
| K20 | GPIO1_C1/UART1_TX | I/O | I | up | 8 | GPIO1C1 | uart1_tx | | | | UART1_TXD | UART1_TXD | UART0 serial port, for BT module |
| K21 | GPIO1_C2/UART1_CTS | I/O | I | up | 8 | GPIO1C2 | uart1_cts | | | | UART1_CTS | UART1_CTS | UART0 serial port, for BT module |
| L21 | GPIO1_C3/UART1_RTS | I/O | I | up | 8 | GPIO1C3 | uart1_rts | | | | UART1_RTS | UART1_RTS | UART0 serial port, for BT module |
| H19 | GPIO1_C4/SDMMC1_CMD | I/O | I | up | 8 | GPIO1C4 | sdmmc1_cmd | | | | SDIO_CMD | SDIO_CMD | SDIO0 command output,for WIFI module |
| M20 | GPIO1_C5/SDMMC1_CLK | I/O | I | up | 8 | GPIO1C5 | sdmmc1_clk | | | | SDIO_CLK | SDIO_CLK | SDIO0 clock output,for WIFI module |
| L20 | GPIO1_C6/SDMMC1_D0 | I/O | I | up | 8 | GPIO1C6 | sdmmc1_d0 | | | | SDIO_D0 | SDIO_D0 | SDIO0 data port ,for WIFI module |
| L19 | GPIO1_C7/SDMMC1_D1 | I/O | I | up | 8 | GPIO1C7 | sdmmc1_d1 | | | | SDIO_D1 | SDIO_D1 | SDIO0 data port ,for WIFI module |
| M21 | GPIO1_D0/SDMMC1_D2 | I/O | I | up | 8 | GPIO1D0 | sdmmc1_d2 | | | | SDIO_D2 | SDIO_D2 | SDIO0 data port ,for WIFI module |
| J19 | GPIO1_D1/SDMMC1_D3 | I/O | I | up | 8 | GPIO1D1 | sdmmc1_d3 | | | | SDIO_D3 | SDIO_D3 | SDIO0 data port ,for WIFI module |
| K19 | VCCIO1 | P | N/A | N/A | | | | | | | VCC3V3_WL | VCC3V3_WL | APIO3 Post-Driver power supply |
| **PART M** | | | | | | | | | | | | | |
| B16 | LVDS_TX0N/MIPI_TX_D0N/LCDC_D11_M1 | A | N/A | N/A | | | | | | | LVDS_TX0N/MIPI_TX_D0N | LVDS_TX0N/MIPI_TX_D0N | MIPI-DSI0 differential lane 0 positive |
| B17 | LVDS_TX0P/MIPI_TX_D0P/LCDC_D8_M1 | A | N/A | N/A | | | | | | | LVDS_TX0N/MIPI_TX_D0P | LVDS_TX0N/MIPI_TX_D0P | MIPI-DSI0 differential lane 0 negative |
| A16 | LVDS_TX1P/MIPI_TX_D1P/LCDC_D10_M1 | A | N/A | N/A | | | | | | | LVDS_TX1P/MIPI_TX_D1P | LVDS_TX1P/MIPI_TX_D1P | MIPI-DSI0 differential lane 1 positive |
| B15 | LVDS_TX1N/MIPI_TX_D1N/LCDC_D1_M1 | A | N/A | N/A | | | | | | | LVDS_TX1N/MIPI_TX_D1N | LVDS_TX1N/MIPI_TX_D1N | MIPI-DSI0 differential lane 1 negative |
| A14 | LVDS_CLKP/MIPI_TX_CLKP/LCDC_D3_M1 | A | N/A | N/A | | | | | | | LVDS_CLKP/MIPI_TX_CLKP | LVDS_CLKP/MIPI_TX_CLKP | MIPI-DSI0 differential clock lane positive |
| B14 | LVDS_CLKN/MIPI_TX_CLKN/LCDC_D4_M1 | A | N/A | N/A | | | | | | | LVDS_CLKN/MIPI_TX_CLKN | LVDS_CLKN/MIPI_TX_CLKN | MIPI-DSI0 differential clock lane negative |
| B13 | LVDS_TX2P/MIPI_TX_D2P/LCDC_D5_M1 | A | N/A | N/A | | | | | | | LVDS_TX2P/MIPI_TX_D2P | LVDS_TX2P/MIPI_TX_D2P | MIPI-DSI0 differential lane 2 positive |
| C13 | LVDS_TX2N/MIPI_TX_D2N/LCDC_VSYNC_M1 | A | N/A | N/A | | | | | | | LVDS_TX2N/MIPI_TX_D2N | LVDS_TX2N/MIPI_TX_D2N | MIPI-DSI0 differential lane 2 negative |
| A12 | LVDS_TX3P/MIPI_TX_D3P/LCDC_DEN_M1 | A | N/A | N/A | | | | | | | LVDS_TX3P/MIPI_TX_D3P | LVDS_TX3P/MIPI_TX_D3P | MIPI-DSI0 differential lane 3 positive |
| B12 | LVDS_TX3N/MIPI_TX_D3N/LCDC_HSYNC_M1 | A | N/A | N/A | | | | | | | LVDS_TX3N/MIPI_TX_D3N | LVDS_TX3N/MIPI_TX_D3N | MIPI-DSI0 differential lane 3 negative |
| D19 | GPIO3_A0/LCDC_CLK | I/O | I | down | 4 | GPIO3A0 | lcdc_clk | | | | | lcdc_clk | LCDC pixel clk output |

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| PX30 Pin No. | PX30 Pin Name | Pin Type | I/O Def | I/O Pull | Default Drive (mA) | Func 1 | Func 2 | Func 3 | Func 4 | Func5 | Defualt function | RK618+CVBS_IN | Description |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E13 | GPIO3_A1/LCDC_HSYNC_M0/CIF_D0_M1/I2S2_2CH_MCLK/UART5_RX | I/O | I | down | 4 | GPIO3A1 | lcdc_hsyncm0 | i2s2_2ch_mclk | cif_d0m1 | **uart5_rx** | | lcdc_hsyncm0 | |
| F13 | GPIO3_A2/LCDC_VSYNC_M0/CIF_D1_M1/I2S2_2CH_SCLK/UART5_TX | I/O | I | down | 4 | GPIO3A2 | lcdc_vsyncm0 | i2s2_2ch_sclk | cif_d1m1 | **uart5_tx** | | lcdc_vsyncm0 | I2S2 port,for BT module |
| E14 | GPIO3_A3/LCDC_DEN_M0/CIF_D2_M1/I2S2_2CH_LRCK/UART5_CTS | I/O | I | down | 4 | GPIO3A3 | lcdc_denm0 | i2s2_2ch_lrck | cif_d2m1 | **uart5_cts** | | lcdc_denm0 | I2S2 port,for BT module |
| C15 | GPIO3_A4/LCDC_D0 | I/O | I | down | 4 | GPIO3A4 | lcdc_d0 | | | | PHONE_DET1 | lcdc_d0 | LCDC data port |
| E15 | GPIO3_A5/LCDC_D1_M0/CIF_D3_M1/I2S2_2CH_SDI/UART5_RTX | I/O | I | down | 4 | GPIO3A5 | lcdc_d1m0 | i2s2_2ch_sdi | cif_d3m1 | **uart5_rts** | | lcdc_d1m0 | I2S2 port,for BT module |
| C14 | GPIO3_A6/LCDC_D2 | I/O | I | down | 4 | GPIO3A6 | lcdc_d2 | | | | | lcdc_d2 | LCDC data port |
| E16 | GPIO3_A7/LCDC_D3_M0/CIF_D4_M1/I2S2_2CH_SDO | I/O | I | down | 4 | GPIO3A7 | lcdc_d3m0 | i2s2_2ch_sdo | cif_d4m1 | | | lcdc_d3m0 | I2S2 port,for BT module |
| E17 | GPIO3_B0/LCDC_D4_M0/CIF_D5_M1/I2S0_8CH_SDI3 | I/O | I | down | 4 | GPIO3B0 | lcdc_d4m0 | i2s0_8ch_sdi3 | cif_d5m1 | | | lcdc_d4m0 | Power enable for RK618 |
| F17 | GPIO3_B1/LCDC_D5_M0/CIF_D6_M1/I2S0_8CH_SDI2/SPI1_CSN | I/O | I | down | 4 | GPIO3B1 | lcdc_d5m0 | i2s0_8ch_sdi2 | cif_d6m1 | spi1_csn | | lcdc_d5m0 | Reset for RK618 |
| B18 | GPIO3_B2/LCDC_D6 | I/O | I | down | 4 | GPIO3B2 | lcdc_d6 | spi1_csn1 | | | | lcdc_d6 | LCDC data port |
| C17 | GPIO3_B3/LCDC_D7/I2S0_8CH_SDI1 | I/O | I | down | 4 | GPIO3B3 | lcdc_d7 | i2s0_8ch_sdi1 | | | | lcdc_d7 | LCDC data port |
| F18 | GPIO3_B4/LCDC_D8_M0/CIF_D7_M1/I2S0_8CH_SCLKRX/SPI1_MOSI | I/O | I | down | 4 | GPIO3B4 | lcdc_d8m0 | i2s0_8ch_sclkrx | cif_d7m1 | spi1_mosi | | lcdc_d8m0 | Compass interrupt |
| C16 | GPIO3_B5/LCDC_D9_M0/I2S0_8CH_LRCKRX | I/O | I | down | 4 | GPIO3B5 | lcdc_d9m0 | i2s0_8ch_lrckrx | | | | lcdc_d9m0 | LCDC data port |
| G18 | GPIO3_B6/LCDC_D10_M0/CIF_D8_M1/I2S0_8CH_SDO3/SPI1_RXD | I/O | I | down | 4 | GPIO3B6 | lcdc_d10m0 | i2s0_8ch_sdo3 | cif_d8m1 | spi1_miso | | lcdc_d10m0 | WIFI module power enable |
| G17 | GPIO3_B7/LCDC_D11_M0/CIF_D9_M1/I2S0_8CH_SDO2/SPI1_CLK | I/O | I | down | 4 | GPIO3B7 | lcdc_d11m0 | i2s0_8ch_sdo2 | cif_d9m1 | spi1_clk | | lcdc_d11m0 | LCD panel reset |
| A20 | GPIO3_C0/LCDC_D12/I2S0_8CH_SDO1 | I/O | I | down | 4 | GPIO3C0 | lcdc_d12 | i2s0_8ch_sdo1 | | | | lcdc_d12 | LCDC data port |
| B20 | GPIO3_C1/LCDC_D13/I2S0_8CH_MCLK | I/O | I | down | 4 | GPIO3C1 | lcdc_d13 | i2s0_8ch_mclk | | | | lcdc_d13 | LCDC data port |
| C19 | GPIO3_C2/LCDC_D14/PWM4/I2S0_8CH_LRCKTX | I/O | I | down | 4 | GPIO3C2 | lcdc_d14 | i2s0_8ch_lrcktx | pwm_4 | **tdm_fsync** | | lcdc_d14 | LCDC data port |
| B19 | GPIO3_C3/LCDC_D15/PWM5/I2S0_8CH_LRCKTX | I/O | I | down | 4 | GPIO3C3 | lcdc_d15 | i2s0_8ch_sclktx | pwm_5 | **tdm_sclk** | | lcdc_d15 | LCDC data port |
| C18 | GPIO3_C4/LCDC_D16/PWM6/I2S0_8CH_SDO0 | I/O | I | down | 4 | GPIO3C4 | lcdc_d16 | i2s0_8ch_sdo0 | pwm_6 | **tdm_sdo** | | lcdc_d16 | LCDC data port |
| A18 | GPIO3_C5/LCDC_D17/PWM7/I2S0_8CH_SDI0 | I/O | I | down | 4 | GPIO3C5 | lcdc_d17 | i2s0_8ch_sdi0 | pwm_7 | **tdm_sdi** | | lcdc_d17 | LCDC data port |
| D13 | GPIO3_C6/LCDC_D18/CIF_D10_M1/PDM_CLK0_M0 | I/O | I | down | 4 | GPIO3C6 | lcdc_d18 | pdm_clk0m0 | cif_d10m1 | | | lcdc_d18 | LCDC data port |
| D14 | GPIO3_C7/LCDC_D19/CIF_D11_M1/PDM_CLK1 | I/O | I | down | 4 | GPIO3C7 | lcdc_d19 | pdm_clk1 | cif_d11m1 | | | lcdc_d19 | LCDC data port |
| D15 | GPIO3_D0/LCDC_D20/CIF_CLKOUT_M1/PDM_SDI1 | I/O | I | down | 4 | GPIO3D0 | lcdc_d20 | pdm_sdi1 | cif_clkoutm1 | | | lcdc_d20 | LCDC data port |
| D16 | GPIO3_D1/LCDC_D21/CIF_VSYNC_M1/PDM_SDI2/ISP_PRELIGHT_TRIG | I/O | I | down | 4 | GPIO3D1 | lcdc_d21 | pdm_sdi2 | cif_vsyncm1 | isp_prelight_trig | | lcdc_d21 | LCDC data port |
| D17 | GPIO3_D2/LCDC_D22/CIF_HREF_M1/PDM_SDI3/ISP_FLASH_TRIGOUT | I/O | I | down | 4 | GPIO3D2 | lcdc_d22 | pdm_sdi3 | cif_hrefm1 | isp_flash_trigout | | lcdc_d22 | LCDC data port |
| D18 | GPIO3_D3/LCDC_D23/CIF_CLKIN_M1/PDM_SDI0_M0/ISP_FLASH_TRIGIN | I/O | I | down | 4 | GPIO3D3 | lcdc_d23 | pdm_sdi0m0 | cif_clkinm1 | isp_flash_trigin | | lcdc_d23 | LCDC data port |
| G12 | LVDS_RBIAS | A | N/A | N/A | | | | | | | LVDS_RBIAS | LVDS_RBIAS | LVDS reference current generate,connect a 2K%1 resistor to VSS |
| F11 | MIPI_DSI_VCCA_1V0 | P | N/A | N/A | | | | | | | VDD_1V0 | VDD_1V0 | LVDS/MIPI phy analog power supply |
| F12 | MIPI_DSI_VCCA_1V8 | P | N/A | N/A | | | | | | | VCC_1V8 | VCC_1V8 | LVDS/MIPI phy analog power supply |
| E12 | MIPI_DSI_VCCA_3V3 | P | N/A | N/A | | | | | | | VCC_3V0 | VCC_3V0 | LVDS/MIPI phy analog power supply |

| 版本 | 更新时间 | | | | | 修改内容 | | | | | | 修改人 |
|------|---------|---|---|---|---|---------|---|---|---|---|---|--------|
| V1.1 | 2018.09.04 | | | | | 正式版 | | | | | | XHF |
| PX30 Pin No. | PX30 Pin Name | Pin Type | I/O Def | I/O Pull | Default Drive (mA) | Func 1 | Func 2 | Func 3 | Func 4 | Func5 | Defualt function | RK618+CVBS_IN | Description |
| D12 | VCCIO4 | P | N/A | N/A | | | | | | | | | VCCIO4 domain digital I/O power supply |
| PART G | | | | | | | | | | | VCC_3V3 mode | | |
| AA15 | GPIO2_C1/I2S1_2CH_LRCK_TXRX | I/O | I | down | 4 | GPIO2C1 | i2s1_2ch_lrck | | | | I2S1_LRCK_TXRX | I2S1_LRCK_TXRX | I2S 1 port, for RK817 audio codec |
| AA14 | GPIO2_C2/I2S1_2CH__SCLK | I/O | I | down | 4 | GPIO2C2 | i2s1_2ch_sclk | | | | I2S1_SCLK | I2S1_SCLK | I2S 1 port, for RK817 audio codec |
| Y14 | GPIO2_C3/I2S1_2CH_MCLK | I/O | I | down | 4 | GPIO2C3 | i2s1_2ch_mclk | | | | I2S1_MCLK | I2S1_MCLK | I2S 1 port, for RK817 audio codec |
| Y15 | GPIO2_C4/I2S1_2CH_SDO | I/O | I | down | 4 | GPIO2C4 | i2s1_2ch_sdo | | | | I2S1_SDO | I2S1_SDO | I2S 1 port, for RK817 audio codec |
| AA13 | GPIO2_C5/I2S1_SDI/PDM_SDIO_M1 | I/O | I | down | 4 | GPIO2C5 | i2s1_2ch_sdi | pdm_sdi0m1 | | | I2S1_SDI | I2S1_SDI | I2S 1 port, for RK817 audio codec |
| W15 | GPIO2_C6/PDM_CLK0_M1 | I/O | I | down | 4 | GPIO2C6 | pdm_clk0m1 | | | | PDM_CLKO | PDM_CLKO | PDM CLK OUT |
| W16 | VCCIO5 | P | N/A | N/A | | | | | | | VCC_3V0 | VCC_3V0 | VCCIO5 digital I/O power supply |
| PART H | | | | | | | | | | | VCCIO_SD=AUTO | | |
| AA17 | GPIO1_D2/SDMMC0_D0/UART2_TX_M0 | I/O | I | up | 8 | GPIO1D2 | sdmmc0_d0 | uart2_txm0 | | | SDMMC0_D0/UART2_TX_M0 | SDMMC0_D0/UART2_TX_M0 | SDMMC0 data port |
| AA18 | GPIO1_D3/SDMMC0_D1/UART2_RX_M0 | I/O | I | up | 8 | GPIO1D3 | sdmmc0_d1 | uart2_rxm0 | | | SDMMC0_D1/UART2_RX_M0 | SDMMC0_D1/UART2_RX_M0 | SDMMC0 data port |
| AA19 | GPIO1_D4/SDMMC0_D2/UART4_RX/JTAG_TCK | I/O | I | up | 8 | GPIO1D4 | sdmmc0_d2 | uart4_rx | jtag_tck | | SDMMC0_D2/JTAG_TCK | SDMMC0_D2/JTAG_TCK | SDMMC0 data port JTAG TCK for AP |
| AA16 | GPIO1_D5/SDMMC0_D3/UART4_TX/JTAG_TMS | I/O | I | up | 8 | GPIO1D5 | sdmmc0_d3 | uart4_tx | jtag_tms | | SDMMC0_D3/JTAG_TMS | SDMMC0_D3/JTAG_TMS | SDMMC0 data port JTAG TMS for AP |
| Y17 | GPIO1_D6/SDMMC0_CLKO/UART4_CTS/TEST_CLK0 | I/O | I | down | 8 | GPIO1D6 | sdmmc0_clko | uart4_cts | test_clko | | SDMMC0_CLK | SDMMC0_CLK | SDMMC0 clock output |
| Y16 | GPIO1_D7/SDMMC0_CMD/UART4_RTS | I/O | I | up | 8 | GPIO1D7 | sdmmc0_cmd | uart4_rts | | | SDMMC0_CMD | SDMMC0_CMD | SDMMC0 command output |
| Y18 | VCCIO2 | P | N/A | N/A | | | | | | | VCCIO_SD | VCCIO_SD | SDMMC0 digital I/O power supply |
| PART F | SAR ADC | | | | | | | | | | | | |
| V14 | ADC_IN0 | A | N/A | N/A | | | | | | | ADC0_HW_ID | ADC0_HW_ID | Hardware version recognition |
| W14 | ADC_IN1 | A | N/A | N/A | | | | | | | ADC1_HP_HOOK | ADC1_HP_HOOK | Headphone key detect |
| V15 | ADC_IN2 | A | N/A | N/A | | | | | | | ADC2_KEY_IN | ADC2_KEY_IN | AD keyboard input |
| U13 | ADC_AVDD_1V8 | AP | N/A | N/A | | | | | | | VCC_1V8 | VCC_1V8 | SAR-ADC analog power supply |
| PART D | MIPI RX PHY | | | | | | | | | | | | |
| W10 | MIPI_CSI_D0P | A | N/A | N/A | | | | | | | MIPI_CSI_DP0 | MIPI_CSI_DP0 | MIPI-CSI0 differential lane 0 positive |
| V11 | MIPI_CSI_D0N | P | N/A | N/A | | | | | | | MIPI_CSI_DN0 | MIPI_CSI_DN0 | MIPI-CSI0 differential lane 0 negative |
| Y9 | MIPI_CSI_D1P | A | N/A | N/A | | | | | | | MIPI_CSI_DP1 | MIPI_CSI_DP1 | MIPI-CSI0 differential lane 1 positive |
| W9 | MIPI_CSI_D1N | A | N/A | N/A | | | | | | | MIPI_CSI_DN1 | MIPI_CSI_DN1 | MIPI-CSI0 differential lane 1 negative |
| V10 | MIPI_CSI_CLKP | A | N/A | N/A | | | | | | | MIPI_CSI_CLKP | MIPI_CSI_CLKP | MIPI-CSI0 differential clock lane positive |
| U10 | MIPI_CSI_CLKN | A | N/A | N/A | | | | | | | MIPI_CSI_CLKN | MIPI_CSI_CLKN | MIPI-CSI0 differential clock lane negative |
| U9 | MIPI_CSI_D2P | A | N/A | N/A | | | | | | | MIPI_CSI_DP2 | MIPI_CSI_DP2 | MIPI-CSI0 differential lane 2 positive |
| V8 | MIPI_CSI_D2N | A | N/A | N/A | | | | | | | MIPI_CSI_DN2 | MIPI_CSI_DN2 | MIPI-CSI0 differential lane 2 negative |
| V9 | MIPI_CSI_D3P | A | N/A | N/A | | | | | | | MIPI_CSI_DP3 | MIPI_CSI_DP3 | MIPI-CSI0 differential lane 3 positive |
| W8 | MIPI_CSI_D3N | A | N/A | N/A | | | | | | | MIPI_CSI_DN3 | MIPI_CSI_DN3 | MIPI-CSI0 differential lane 3 negative |
| U11 | MIPI_CSI_RBIAS | A | N/A | N/A | | | | | | | MIPI_CSI_RBIAS | MIPI_CSI_RBIAS | MIPI-CSI0 reference current generate,connect a 2K%1 resistor to VSS |
| U8 | MIPI_CSI_VCCA_1V0 | P | N/A | N/A | | | | | | | VDD_1V0 | VDD_1V0 | MIPI-CSI0 analog power supply |
| PART E | USB 2.0 PHY | | | | | | | | | | | | |
| Y10 | USB_OTG_DP | A | N/A | N/A | | | | | | | OTG_DP | OTG_DP | USB OTG Data Plus port |
| AA10 | USB_OTG_DM | A | N/A | N/A | | | | | | | OTG_DM | OTG_DM | USB OTG Data Minus port |
| Y13 | USB_VBUS | A | N/A | N/A | | | | | | | USB_DET | USB_DET | TYPEC0 connected/vbus power detect for USB2.0 |

| 版本 | 更新时间 | 修改内容 | | | | | | | | | 修改人 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| V1.1 | 2018.09.04 | 正式版 | | | | | | | | | XHF |

| PX30 Pin No. | PX30 Pin Name | Pin Type | I/O Def | I/O Pull | Default Drive (mA) | Func 1 | Func 2 | Func 3 | Func 4 | Func5 | Defualt function | RK618+CVBS_IN | Description |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Y11 | USB_ID | A | N/A | up | | | | | | | USB_ID | USB_ID | USB ID detect input,200kohm internal pull-up to USB_AVDD_1V8 |
| AA12 | USB_HOST_DP | A | N/A | N/A | | | | | | | USB_HOST_DP | USB_HOST_DP | USB HOST Data Plus port |
| Y12 | USB_HOST_DM | A | N/A | N/A | | | | | | | USB_HOST_DM | USB_HOST_DM | USB HOST Data Minus port |
| AA11 | USB_RBIAS | A | N/A | N/A | | | | | | | USB_RBIAS | USB_RBIAS | USB PHY0(include HOST0&TYPEC0) reference current generate,connect a 133ohm resistor to VSS. |
| U12 | USB_AVDD_1V0 | P | N/A | N/A | | | | | | | USB_AVDD_1V0 | USB_AVDD_1V0 | USB analog power supply |
| V13 | USB_AVDD_1V8 | P | N/A | N/A | | | | | | | USB_AVDD_1V8 | USB_AVDD_1V8 | USB analog power supply |
| W13 | USB_AVDD_3V3 | P | N/A | N/A | | | | | | | USB_AVDD_3V3 | USB_AVDD_3V3 | USB analog power supply |
| PART L | EMMC PHY | | | | | | | | | | | | |
| E20 | GPIO1_A0/FLASH_D0/EMMC_D0/SFC_SIO0 | I | N/A | up | 8 | GPIO1A0 | flash_d0 | emmc_d0 | sfc_sio0 | | FLASH_D0 | FLASH_D0 | EMMC data port |
| D21 | GPIO1_A1/FLASH_D1/EMMC_D1/SFC_SIO1 | I | N/A | up | 8 | GPIO1A1 | flash_d1 | emmc_d1 | sfc_sio1 | | FLASH_D1 | FLASH_D1 | eMMC data port |
| C21 | GPIO1_A2/FLASH_D2/EMMC_D2/SFC_SIO2 | I | N/A | up | 8 | GPIO1A2 | flash_d2 | emmc_d2 | sfc_sio2 | | FLASH_D2 | FLASH_D2 | eMMC data port |
| E19 | GPIO1_A3/FLASH_D3/EMMC_D3/SFC_SIO3 | I | N/A | up | 8 | GPIO1A3 | flash_d3 | emmc_d3 | sfc_sio3 | | FLASH_D3 | FLASH_D3 | eMMC data port |
| E21 | GPIO1_A4/FLASH_D4/EMMC_D4/SFC_CSN0 | I | N/A | up | 8 | GPIO1A4 | flash_d4 | emmc_d4 | sfc_csn0 | | FLASH_D4 | FLASH_D4 | eMMC data port |
| D20 | GPIO1_A5/FLASH_D5/EMMC_D5 | I | N/A | up | 8 | GPIO1A5 | flash_d5 | emmc_d5 | | | FLASH_D5 | FLASH_D5 | eMMC data port |
| C20 | GPIO1_A6/FLASH_D6/EMMC_D6 | I | N/A | up | 8 | GPIO1A6 | flash_d6 | emmc_d6 | | | FLASH_D6 | FLASH_D6 | eMMC data port |
| B21 | GPIO1_A7/FLASH_D7/EMMC_D7 | I | N/A | up | 8 | GPIO1A7 | flash_d7 | emmc_d7 | | | FLASH_D7 | FLASH_D7 | eMMC data port |
| F19 | GPIO1_B0/FLASH_CS0 | I | | up | 8 | GPIO1B0 | flash_cs0 | emmc_pwren | | | FLASH_CS0 | FLASH_CS0 | Nand flash select0 port |
| H18 | GPIO1_B1/FLASH_RDY/EMMC_CLKOUT/SFC_CLK | I | | up | 8 | GPIO1B1 | flash_rdy | emmc_clkout | sfc_clk | | FLASH_RDY/EMMC_CLK/SFC_CLK | FLASH_RDY/EMMC_CLK/SFC_CLK | eMMC clock out |
| G19 | GPIO1_B2/FLASH_DQS/EMMC_CMD | I | N/A | up | 8 | GPIO1B2 | flash_dqs | emmc_cmd | | | FLASH_DQS/EMMC_CMD | FLASH_DQS/EMMC_CMD | eMMC command port |
| E18 | GPIO1_B3/FLASH_ALE/EMMC_RSTN | I | N/A | down | 8 | GPIO1B3 | flash_ale | emmc_rstn | | | FLASH_ALE/EMMC_RST | FLASH_ALE/EMMC_RST | eMMC strobe port |
| G21 | GPIO1_B4/FLASH_CLE/UART3_CTS_M1/SPI0_MOSI/I2C3_SDA | I | | down | 8 | GPIO1B4 | flash_cle | uart3_ctsm1 | spi0_mosi | i2c3_sda | FLASH_CLE | FLASH_CLE | Nand flash command latch enable |
| H20 | GPIO1_B5/FLASH_WRN/UART3_RTS_M1/SPI0_MISO/I2C3_SCL | I | | up | 8 | GPIO1B5 | flash_wrn | uart3_rtsm1 | spi0_miso | i2c3_scl | FLASH_WRN | FLASH_WRN | Nand flash write enable |
| G20 | GPIO1_B6/FLASH_CS1/UART3_TX_M1/SPI0_CSN | I | O | up | 8 | GPIO1B6 | flash_cs1 | uart3_txm1 | spi0_csn | | FLASH_CS1 | FLASH_CS1 | Nand flash select1 port |
| H21 | GPIO1_B7/FLASH_RDN/UART3_RX_M1/SPI0_CLK | I | | up | 8 | GPIO1B7 | flash_rdn | uart3_rxm1 | spi0_clk | | FLASH_RDN | FLASH_RDN | Nand flash read enable |
| J18 | VCCIO6 | P | N/A | N/A | | | | | | | VCCIO_FLASH | VCCIO_FLASH | eMMC I/O power supply |
| PART A | DDRC | | | | | | | | | | | | |
| R4 | DDR_DQ0 | A | N/A | N/A | | | | | | | | | |
| R1 | DDR_DQ1 | A | N/A | N/A | | | | | | | | | |
| U3 | DDR_DQ2 | A | N/A | N/A | | | | | | | | | |
| Y2 | DDR_DQ3 | A | N/A | N/A | | | | | | | | | |
| N2 | DDR_DQ4 | A | N/A | N/A | | | | | | | | | |
| R3 | DDR_DQ5 | A | N/A | N/A | | | | | | | | | |
| R2 | DDR_DQ6 | A | N/A | N/A | | | | | | | | | |
| Y1 | DDR_DQ7 | A | N/A | N/A | | | | | | | | | |
| AA2 | DDR_DQ8 | A | N/A | N/A | | | | | | | | | |
| P3 | DDR_DQ9 | A | N/A | N/A | | | | | | | | | |
| Y3 | DDR_DQ10 | A | N/A | N/A | | | | | | | | | |
| M2 | DDR_DQ11 | A | N/A | N/A | | | | | | | | | |
| V4 | DDR_DQ12 | A | N/A | N/A | | | | | | | | | |
| M3 | DDR_DQ13 | A | N/A | N/A | | | | | | | | | |
| V3 | DDR_DQ14 | A | N/A | N/A | | | | | | | | | |
| N4 | DDR_DQ15 | A | N/A | N/A | | | | | | | | | |

| 版本 | 更新时间 | 修改内容 | | | | | | | | | 修改人 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| V1.1 | 2018.09.04 | 正式版 | | | | | | | | | XHF |

| PX30 Pin No. | PX30 Pin Name | Pin Type | I/O Def | I/O Pull | Default Drive (mA) | Func 1 | Func 2 | Func 3 | Func 4 | Func5 | Defualt function | RK618+CVBS_IN | Description |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F4 | DDR_DQ16 | A | N/A | N/A | | | | | | | | | |
| G3 | DDR_DQ17 | A | N/A | N/A | | | | | | | | | |
| F3 | DDR_DQ18 | A | N/A | N/A | | | | | | | | | |
| K2 | DDR_DQ19 | A | N/A | N/A | | | | | | | | | |
| L2 | DDR_DQ20 | A | N/A | N/A | | | | | | | | | |
| M1 | DDR_DQ21 | A | N/A | N/A | | | | | | | | | |
| E2 | DDR_DQ22 | A | N/A | N/A | | | | | | | | | |
| L1 | DDR_DQ23 | A | N/A | N/A | | | | | | | | | |
| K3 | DDR_DQ24 | A | N/A | N/A | | | | | | | | | |
| J4 | DDR_DQ25 | A | N/A | N/A | | | | | | | | | |
| C2 | DDR_DQ26 | A | N/A | N/A | | | | | | | | | |
| D2 | DDR_DQ27 | A | N/A | N/A | | | | | | | | | |
| K4 | DDR_DQ28 | A | N/A | N/A | | | | | | | | | |
| J3 | DDR_DQ29 | A | N/A | N/A | | | | | | | | | |
| D1 | DDR_DQ30 | A | N/A | N/A | | | | | | | | | |
| E1 | DDR_DQ31 | A | N/A | N/A | | | | | | | | | |
| W2 | DDR_DQS0_P | A | N/A | N/A | | | | | | | | | |
| W1 | DDR_DQS0_N | A | N/A | N/A | | | | | | | | | |
| U2 | DDR_DQS1_P | A | N/A | N/A | | | | | | | | | |
| U1 | DDR_DQS1_N | A | N/A | N/A | | | | | | | | | |
| J2 | DDR_DQS2_P | A | N/A | N/A | | | | | | | | | |
| J1 | DDR_DQS2_N | A | N/A | N/A | | | | | | | | | |
| G2 | DDR_DQS3_P | A | N/A | N/A | | | | | | | | | |
| G1 | DDR_DQS3_N | A | N/A | N/A | | | | | | | | | |
| T2 | DDR_DM0 | A | N/A | N/A | | | | | | | | | |
| U4 | DDR_DM1 | A | N/A | N/A | | | | | | | | | |
| G4 | DDR_DM2 | A | N/A | N/A | | | | | | | | | |
| M4 | DDR_DM3 | A | N/A | N/A | | | | | | | | | |
| C7 | DDR3_A0/DDR4_A10 | A | N/A | N/A | | | | | | | | | |
| D10 | DDR3_A1/DDR4_A10 | A | N/A | N/A | | | | | | | | | |
| D8 | DDR3_A2/DDR4_A4 | A | N/A | N/A | | | | | | | | | |
| B5 | DDR3_A3/DDR4_A6 | A | N/A | N/A | | | | | | | | | |
| A8 | DDR3_A4/DDR4_A5 | A | N/A | N/A | | | | | | | | | |
| A4 | DDR3_A5/DDR4_A8 | A | N/A | N/A | | | | | | | | | |
| B8 | DDR3_A6/DDR4_A7 | A | N/A | N/A | | | | | | | | | |
| B4 | DDR3_A7/DDR4_A11 | A | N/A | N/A | | | | | | | | | |
| C10 | DDR3_A8/DDR4_A13 | A | N/A | N/A | | | | | | | | | |
| C6 | DDR3_A9/DDR4_A0 | A | N/A | N/A | | | | | | | | | |
| A10 | DDR3_A10/DDR4_CS0N | A | N/A | N/A | | | | | | | | | |
| B7 | DDR3_A11/DDR4_A3 | A | N/A | N/A | | | | | | | | | |
| A9 | DDR3_A12/DDR4_BA1 | A | N/A | N/A | | | | | | | | | |
| D6 | DDR3_A13/DDR4_A2 | A | N/A | N/A | | | | | | | | | |
| A7 | DDR3_A14/DDR4_A1 | A | N/A | N/A | | | | | | | | | |
| C9 | DDR3_A15/DDR4_ODT0 | A | N/A | N/A | | | | | | | | | |
| A3 | DDR3_BA0/DDR4_BG0 | A | N/A | N/A | | | | | | | | | |
| B10 | DDR3_BA1/DDR4_CASN/DDR4_A15 | A | N/A | N/A | | | | | | | | | |
| A5 | DDR3_BA2/DDR4_BA0 | A | N/A | N/A | | | | | | | | | |
| B3 | DDR3_CSN0/DDR4_ACTN | A | N/A | N/A | | | | | | | | | |
| D11 | **DDR3_CSN1/DDR4_CS1N** | **A** | **N/A** | **N/A** | | | | | | | | | |
| B2 | **DDR3_CLKP/DDR4_CLKP** | **A** | **N/A** | **N/A** | | | | | | | | | |
| B1 | **DDR3_CLKN/DDR4_CLKN** | **A** | **N/A** | **N/A** | | | | | | | | | |
| D5 | **DDR3_ODT0/DDR4_WEN/DDR4_A14** | **A** | **N/A** | **N/A** | | | | | | | | | |
| C11 | **DDR3_ODT1/DDR4_ODT1** | **A** | **N/A** | **N/A** | | | | | | | | | |
| A2 | **DDR3_RESETN/DDR4_RESETN** | **A** | **N/A** | **N/A** | | | | | | | | | |
| D9 | **DDR3_CASN/DDR4_A12** | **A** | **N/A** | **N/A** | | | | | | | | | |
| C4 | **DDR3_RASN/DDR4_CKE** | **A** | **N/A** | **N/A** | | | | | | | | | |
| B11 | DDR3_CKE/DDR4_RASN/DDR4_A16 | A | N/A | N/A | | | | | | | | | |
| C8 | DDR3_WEN/DDR4_BG1 | A | N/A | N/A | | | | | | | | | |
| F8 | DDRIO_VDD_1 | P | N/A | N/A | | | | | | | | | |
| F9 | DDRIO_VDD_2 | P | N/A | N/A | | | | | | | | | |
| F10 | DDRIO_VDD_3 | P | N/A | N/A | | | | | | | | | |
| G9 | DDRIO_VDD_4 | P | N/A | N/A | | | | | | | | | |
| G10 | DDRIO_VDD_5 | P | N/A | N/A | | | | | | | | | |
| J6 | DDRIO_VDD_6 | P | N/A | N/A | | | | | | | | | |
| J7 | DDRIO_VDD_7 | P | N/A | N/A | | | | | | | | | |
| K6 | DDRIO_VDD_8 | P | N/A | N/A | | | | | | | | | |
| K7 | DDRIO_VDD_9 | P | N/A | N/A | | | | | | | | | |
| L6 | DDRIO_VDD_10 | P | N/A | N/A | | | | | | | | | |
| L7 | DDRIO_VDD_11 | P | N/A | N/A | | | | | | | | | |
| M6 | DDRIO_VDD_12 | P | N/A | N/A | | | | | | | | | |
| M7 | DDRIO_VDD_13 | P | N/A | N/A | | | | | | | | | |
| PART N | POWER | | | | | | | | | | | | |
| K9 | LOGIC_VDD_1 | P | N/A | N/A | | | | | | | | | |
| L9 | LOGIC_VDD_2 | P | N/A | N/A | | | | | | | | | |
| K10 | LOGIC_VDD_3 | P | N/A | N/A | | | | | | | | | |
| L10 | LOGIC_VDD_4 | P | N/A | N/A | | | | | | | | | |

| 版本 | 更新时间 | 修改内容 | | | | | | | 修改人 |
|---|---|---|---|---|---|---|---|---|---|
| V1.1 | 2018.09.04 | 正式版 | | | | | | | XHF |

| PX30 Pin No. | PX30 Pin Name | Pin Type | I/O Def | I/O Pull | Default Drive (mA) | Func 1 | Func 2 | Func 3 | Func 4 | Func5 | Defualt function | RK618+CVBS_IN | Description |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N11 | LOGIC_VDD_5 | P | N/A | N/A | | | | | | | | | |
| N13 | LOGIC_VDD_6 | P | N/A | N/A | | | | | | | | | |
| N12 | LOGIC_VDD_7 | P | N/A | N/A | | | | | | | | | |
| M11 | LOGIC_VDD_8 | P | N/A | N/A | | | | | | | | | |
| L11 | LOGIC_VDD_9 | P | N/A | N/A | | | | | | | | | |
| H14 | CPU_VDD_1 | P | N/A | N/A | | | | | | | | | |
| H15 | CPU_VDD_2 | P | N/A | N/A | | | | | | | | | |
| H16 | CPU_VDD_3 | P | N/A | N/A | | | | | | | | | |
| J14 | CPU_VDD_4 | P | N/A | N/A | | | | | | | | | |
| J15 | CPU_VDD_5 | P | N/A | N/A | | | | | | | | | |
| J16 | CPU_VDD_6 | P | N/A | N/A | | | | | | | | | |
| K14 | CPU_VDD_7 | P | N/A | N/A | | | | | | | | | |
| K15 | CPU_VDD_8 | P | N/A | N/A | | | | | | | | | |
| K16 | CPU_VDD_9 | P | N/A | N/A | | | | | | | | | |
| PART C | GROUND | | | | | | | | | | | | |
| A1 | VSS_1 | G | N/A | N/A | | | | | | | | | |
| A21 | VSS_2 | G | N/A | N/A | | | | | | | | | |
| AA21 | VSS_3 | G | N/A | N/A | | | | | | | | | |
| AA1 | VSS_4 | G | N/A | N/A | | | | | | | | | |
| A11 | VSS_5 | G | N/A | N/A | | | | | | | | | |
| B6 | VSS_6 | G | N/A | N/A | | | | | | | | | |
| B9 | VSS_7 | G | N/A | N/A | | | | | | | | | |
| C3 | VSS_8 | G | N/A | N/A | | | | | | | | | |
| C5 | VSS_9 | G | N/A | N/A | | | | | | | | | |
| C12 | VSS_10 | G | N/A | N/A | | | | | | | | | |
| D3 | VSS_11 | G | N/A | N/A | | | | | | | | | |
| D4 | VSS_12 | G | N/A | N/A | | | | | | | | | |
| D7 | VSS_13 | G | N/A | N/A | | | | | | | | | |
| E3 | VSS_14 | G | N/A | N/A | | | | | | | | | |
| E4 | VSS_15 | G | N/A | N/A | | | | | | | | | |
| E5 | VSS_16 | G | N/A | N/A | | | | | | | | | |
| E6 | VSS_17 | G | N/A | N/A | | | | | | | | | |
| E7 | VSS_18 | G | N/A | N/A | | | | | | | | | |
| E8 | VSS_19 | G | N/A | N/A | | | | | | | | | |
| E9 | VSS_20 | G | N/A | N/A | | | | | | | | | |
| E10 | VSS_21 | G | N/A | N/A | | | | | | | | | |
| F2 | VSS_22 | G | N/A | N/A | | | | | | | | | |
| F5 | VSS_23 | G | N/A | N/A | | | | | | | | | |
| E11 | VSS_24 | G | N/A | N/A | | | | | | | | | |
| F14 | VSS_25 | G | N/A | N/A | | | | | | | | | |
| F15 | VSS_26 | G | N/A | N/A | | | | | | | | | |
| F16 | VSS_27 | G | N/A | N/A | | | | | | | | | |
| G5 | VSS_28 | G | N/A | N/A | | | | | | | | | |
| G7 | VSS_29 | G | N/A | N/A | | | | | | | | | |
| G8 | VSS_30 | G | N/A | N/A | | | | | | | | | |
| G11 | VSS_31 | G | N/A | N/A | | | | | | | | | |
| W3 | VSS_32 | G | N/A | N/A | | | | | | | | | |
| G13 | VSS_33 | G | N/A | N/A | | | | | | | | | |
| G14 | VSS_34 | G | N/A | N/A | | | | | | | | | |
| W11 | VSS_35 | G | N/A | N/A | | | | | | | | | |
| T12 | VSS_36 | G | N/A | N/A | | | | | | | | | |
| H2 | VSS_37 | G | N/A | N/A | | | | | | | | | |
| H3 | VSS_38 | G | N/A | N/A | | | | | | | | | |
| H4 | VSS_39 | G | N/A | N/A | | | | | | | | | |
| H5 | VSS_40 | G | N/A | N/A | | | | | | | | | |
| H7 | VSS_41 | G | N/A | N/A | | | | | | | | | |
| H8 | VSS_42 | G | N/A | N/A | | | | | | | | | |
| H9 | VSS_43 | G | N/A | N/A | | | | | | | | | |
| H10 | VSS_44 | G | N/A | N/A | | | | | | | | | |
| H11 | VSS_45 | G | N/A | N/A | | | | | | | | | |
| H12 | VSS_46 | G | N/A | N/A | | | | | | | | | |
| G16 | VSS_47 | G | N/A | N/A | | | | | | | | | |
| G15 | VSS_48 | G | N/A | N/A | | | | | | | | | |
| J5 | VSS_49 | G | N/A | N/A | | | | | | | | | |
| J8 | VSS_50 | G | N/A | N/A | | | | | | | | | |
| J9 | VSS_51 | G | N/A | N/A | | | | | | | | | |
| J10 | VSS_52 | G | N/A | N/A | | | | | | | | | |
| J11 | VSS_53 | G | N/A | N/A | | | | | | | | | |
| J12 | VSS_54 | G | N/A | N/A | | | | | | | | | |
| H13 | VSS_55 | G | N/A | N/A | | | | | | | | | |
| J17 | VSS_56 | G | N/A | N/A | | | | | | | | | |
| H17 | VSS_57 | G | N/A | N/A | | | | | | | | | |
| K5 | VSS_58 | G | N/A | N/A | | | | | | | | | |
| K8 | VSS_59 | G | N/A | N/A | | | | | | | | | |

| 版本 | 更新时间 | 修改内容 | | | | | | | | | | 修改人 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| V1.1 | 2018.09.04 | 正式版 | | | | | | | | | | XHF |

| PX30 Pin No. | PX30 Pin Name | Pin Type | I/O Def | I/O Pull | Default Drive (mA) | Func 1 | Func 2 | Func 3 | Func 4 | Func5 | Defualt function | RK618+CVBS_IN | Description |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M13 | VSS_60 | G | N/A | N/A | | | | | | | | | |
| K11 | VSS_61 | G | N/A | N/A | | | | | | | | | |
| M12 | VSS_62 | G | N/A | N/A | | | | | | | | | |
| K12 | VSS_63 | G | N/A | N/A | | | | | | | | | |
| J13 | VSS_64 | G | N/A | N/A | | | | | | | | | |
| K13 | VSS_65 | G | N/A | N/A | | | | | | | | | |
| L14 | VSS_66 | G | N/A | N/A | | | | | | | | | |
| K17 | VSS_67 | G | N/A | N/A | | | | | | | | | |
| K18 | VSS_68 | G | N/A | N/A | | | | | | | | | |
| L13 | VSS_69 | G | N/A | N/A | | | | | | | | | |
| L3 | VSS_70 | G | N/A | N/A | | | | | | | | | |
| L4 | VSS_71 | G | N/A | N/A | | | | | | | | | |
| L5 | VSS_72 | G | N/A | N/A | | | | | | | | | |
| L8 | VSS_73 | G | N/A | N/A | | | | | | | | | |
| N14 | VSS_74 | G | N/A | N/A | | | | | | | | | |
| M14 | VSS_75 | G | N/A | N/A | | | | | | | | | |
| W18 | VSS_76 | G | N/A | N/A | | | | | | | | | |
| L12 | VSS_77 | G | N/A | N/A | | | | | | | | | |
| L17 | VSS_78 | G | N/A | N/A | | | | | | | | | |
| L18 | VSS_79 | G | N/A | N/A | | | | | | | | | |
| M5 | VSS_80 | G | N/A | N/A | | | | | | | | | |
| M8 | VSS_81 | G | N/A | N/A | | | | | | | | | |
| M15 | VSS_82 | G | N/A | N/A | | | | | | | | | |
| M16 | VSS_83 | G | N/A | N/A | | | | | | | | | |
| M9 | VSS_84 | G | N/A | N/A | | | | | | | | | |
| M10 | VSS_85 | G | N/A | N/A | | | | | | | | | |
| M17 | VSS_86 | G | N/A | N/A | | | | | | | | | |
| L15 | VSS_87 | G | N/A | N/A | | | | | | | | | |
| L16 | VSS_88 | G | N/A | N/A | | | | | | | | | |
| N3 | VSS_89 | G | N/A | N/A | | | | | | | | | |
| N5 | VSS_90 | G | N/A | N/A | | | | | | | | | |
| N6 | VSS_91 | G | N/A | N/A | | | | | | | | | |
| N7 | VSS_92 | G | N/A | N/A | | | | | | | | | |
| N8 | VSS_93 | G | N/A | N/A | | | | | | | | | |
| N15 | VSS_94 | G | N/A | N/A | | | | | | | | | |
| N16 | VSS_95 | G | N/A | N/A | | | | | | | | | |
| N9 | VSS_96 | G | N/A | N/A | | | | | | | | | |
| N10 | VSS_97 | G | N/A | N/A | | | | | | | | | |
| AA3 | VSS_98 | G | N/A | N/A | | | | | | | | | |
| W17 | VSS_99 | G | N/A | N/A | | | | | | | | | |
| P4 | VSS_100 | G | N/A | N/A | | | | | | | | | |
| P5 | VSS_101 | G | N/A | N/A | | | | | | | | | |
| P6 | VSS_102 | G | N/A | N/A | | | | | | | | | |
| P7 | VSS_103 | G | N/A | N/A | | | | | | | | | |
| P8 | VSS_104 | G | N/A | N/A | | | | | | | | | |
| P9 | VSS_105 | G | N/A | N/A | | | | | | | | | |
| P10 | VSS_106 | G | N/A | N/A | | | | | | | | | |
| P11 | VSS_107 | G | N/A | N/A | | | | | | | | | |
| P12 | VSS_108 | G | N/A | N/A | | | | | | | | | |
| P13 | VSS_109 | G | N/A | N/A | | | | | | | | | |
| P14 | VSS_110 | G | N/A | N/A | | | | | | | | | |
| P16 | VSS_111 | G | N/A | N/A | | | | | | | | | |
| P15 | VSS_112 | G | N/A | N/A | | | | | | | | | |
| R5 | VSS_113 | G | N/A | N/A | | | | | | | | | |
| R6 | VSS_114 | G | N/A | N/A | | | | | | | | | |
| R7 | VSS_115 | G | N/A | N/A | | | | | | | | | |
| R8 | VSS_116 | G | N/A | N/A | | | | | | | | | |
| R9 | VSS_117 | G | N/A | N/A | | | | | | | | | |
| R10 | VSS_118 | G | N/A | N/A | | | | | | | | | |
| R11 | VSS_119 | G | N/A | N/A | | | | | | | | | |
| R12 | VSS_120 | G | N/A | N/A | | | | | | | | | |
| R13 | VSS_121 | G | N/A | N/A | | | | | | | | | |
| R14 | VSS_122 | G | N/A | N/A | | | | | | | | | |
| R15 | VSS_123 | G | N/A | N/A | | | | | | | | | |
| R16 | VSS_124 | G | N/A | N/A | | | | | | | | | |
| R17 | VSS_125 | G | N/A | N/A | | | | | | | | | |
| T3 | VSS_126 | G | N/A | N/A | | | | | | | | | |
| T4 | VSS_127 | G | N/A | N/A | | | | | | | | | |
| T5 | VSS_128 | G | N/A | N/A | | | | | | | | | |
| T6 | VSS_129 | G | N/A | N/A | | | | | | | | | |
| T7 | VSS_130 | G | N/A | N/A | | | | | | | | | |
| T8 | VSS_131 | G | N/A | N/A | | | | | | | | | |
| T9 | VSS_132 | G | N/A | N/A | | | | | | | | | |
| T10 | VSS_133 | G | N/A | N/A | | | | | | | | | |
| T11 | VSS_134 | G | N/A | N/A | | | | | | | | | |
| W4 | VSS_135 | G | N/A | N/A | | | | | | | | | |

| 版本 | 更新时间 | | | | | | 修改内容 | | | | | | 修改人 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **V1.1** | 2018.09.04 | | | | | | 正式版 | | | | | | XHF |
| **PX30 Pin No.** | PX30 Pin Name | Pin Type | I/O Def | I/O Pull | Default Drive (mA) | Func 1 | Func 2 | Func 3 | Func 4 | Func5 | Defualt function | RK618+CVBS_IN | Description |
| **T14** | VSS_136 | G | N/A | N/A | | | | | | | | | |
| **T15** | VSS_137 | G | N/A | N/A | | | | | | | | | |
| **T16** | VSS_138 | G | N/A | N/A | | | | | | | | | |
| **T17** | VSS_139 | G | N/A | N/A | | | | | | | | | |
| **T18** | VSS_140 | G | N/A | N/A | | | | | | | | | |
| **U5** | VSS_141 | G | N/A | N/A | | | | | | | | | |
| **U14** | VSS_142 | G | N/A | N/A | | | | | | | | | |
| **U15** | VSS_143 | G | N/A | N/A | | | | | | | | | |
| **U16** | VSS_144 | G | N/A | N/A | | | | | | | | | |
| **U17** | VSS_145 | G | N/A | N/A | | | | | | | | | |
| **U18** | VSS_146 | G | N/A | N/A | | | | | | | | | |
| **V2** | VSS_147 | G | N/A | N/A | | | | | | | | | |
| **V5** | VSS_148 | G | N/A | N/A | | | | | | | | | |
| **V16** | VSS_149 | G | N/A | N/A | | | | | | | | | |
| **V17** | VSS_150 | G | N/A | N/A | | | | | | | | | |
| **V18** | VSS_151 | G | N/A | N/A | | | | | | | | | |
| **V19** | VSS_152 | G | N/A | N/A | | | | | | | | | |
| | | | | | | | | | | | | | |