

## Pins in left:

**GND**: connect to GND or battery negative pole.

**RESET**: VoCore reset, default pull to high.

**G#02/I2C\_SD**: GPIO 02, or I2C SD. **G#01/I2C\_CLK**: GPIO 01, or I2C Clock. **G#18/JTAG\_TDI**: GPIO 18, or JTAG TDI.

G#00: GPIO 00.

G#19/JTAG\_TMS: GPIO 19, or JTAG TMS. G#20/JTAG\_TCLK: GPIO 20, or JTAG Clock. G#21/JTAG\_TRST: GPIO 21, or JTAG Reset. G#17/JTAG TDO: GPIO 17, or JTAG TDO.

**GND**: same GND as first one.

**+3.5V**  $\sim$  **+6.0V** input: power supply, allow 3.5V  $\sim$  6.0V input. **+3.5V**  $\sim$  **+6.0V** input: power supply, allow 3.5V  $\sim$  6.0V input.

**GND**: same GND as first one.

## Pins in bottom:

**G#12/PCM\_CLK**: GPIO 12, or PCM clock. **G#09/I2S SDO**: GPIO 09, or I2S SDO.

G#22/LED0: GPIO 22, or ethernet LED controller 0.

**G#08/I2S\_WS/TXD**: GPIO 08, or I2S WS, or UART full TXD. **+1.8V**: 1.8V output, max current 300mA, ethernet power supply.

G#04/SPI CLK: GPIO 04, or SPI clock.

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G#05/SPI MOSI: GPIO 05, or SPI master out/slave in.

G#27/SPI\_CS1: GPIO 27, or SPI chip select 1.

G#23/LED1: GPIO 23, or ethernet LED controller 1.

G#13/PCM DRX: GPIO 13, or PCM DRX.

G#24/LED2: GPIO 24, or ethernet LED controller 2.

G#25/LED3: GPIO 25, or ethernet LED controller 3.

G#26/LED4: GPIO 26, or ethernet LED controller 4.

**G#14/PCM TDX**: GPIO 13, or PCM TDX.

## Pins in right:

 $+3.2V \sim +3.5V$  input/output: If you connect power to  $+3.5V \sim +6.0V$ , this port is able to output 3.3V, max 500mA; or use it as input, the voltage should between 3.2V to 3.5V.

**USB+**: USB Data +.

**USB-**: USB Data -. **P4RN**: Ethernet port 4, R-.

**P4RN**: Ethernet port 4, R+.

P4TP: Ethernet port 4, T+.

P4TN: Ethernet port 4, T-.

PORN: Ethernet port 0, R-.

PORP: Ethernet port 0, R+.

P0TP: Ethernet port 0, T+.

POTN: Ethernet port 0, T-.

**G#11/PCM FS**: GPIO 11, or PCM FS.

G#03/SPI CS0: GPIO 03. or SPI chip select 0.

G#06/SPI MISO: GPIO 06, or SPI master in/slave out.

G#10/I2S SDI/RXD: GPIO 10, or I2S SDI, or UART full RXD.

G#16/RXD2: GPIO 16, UART lite RXD2(default TTL console, 57600,8n1).

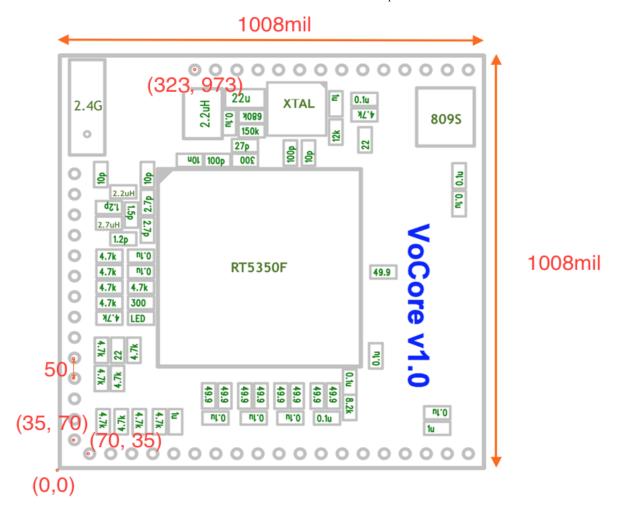
G#07/I2S CLK: GPIO 07, I2S Clock.

G#15/TXD2: GPIO 15, UART lite TXD2(default TTL console, 57600,8n1).

**GND**: same GND as first one.

Note: UART full has 8 pins, other 6 is not listed, please check RT5350 datasheet.

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Drill Hole Size = 24mil Drill Hole(center) to Border = 35mil

Drill Hole(center) to Drill Hole(center) = 50mil

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