

STM32F103RCT6 Dev board Chloe Manual

Schematic:

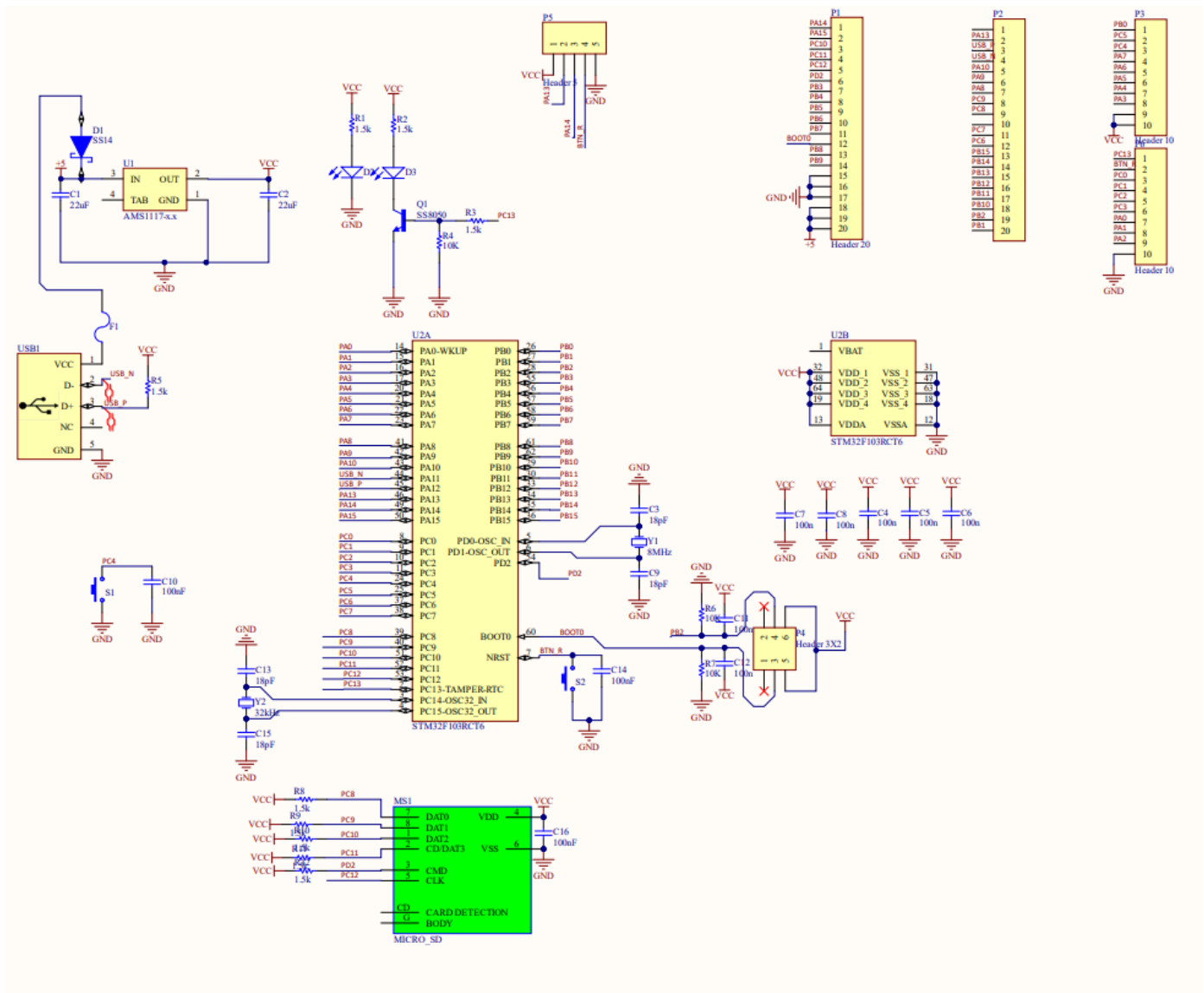


Fig 1 – board schematic

All pins on pin headers around the board are connected to their respective MCU pins.

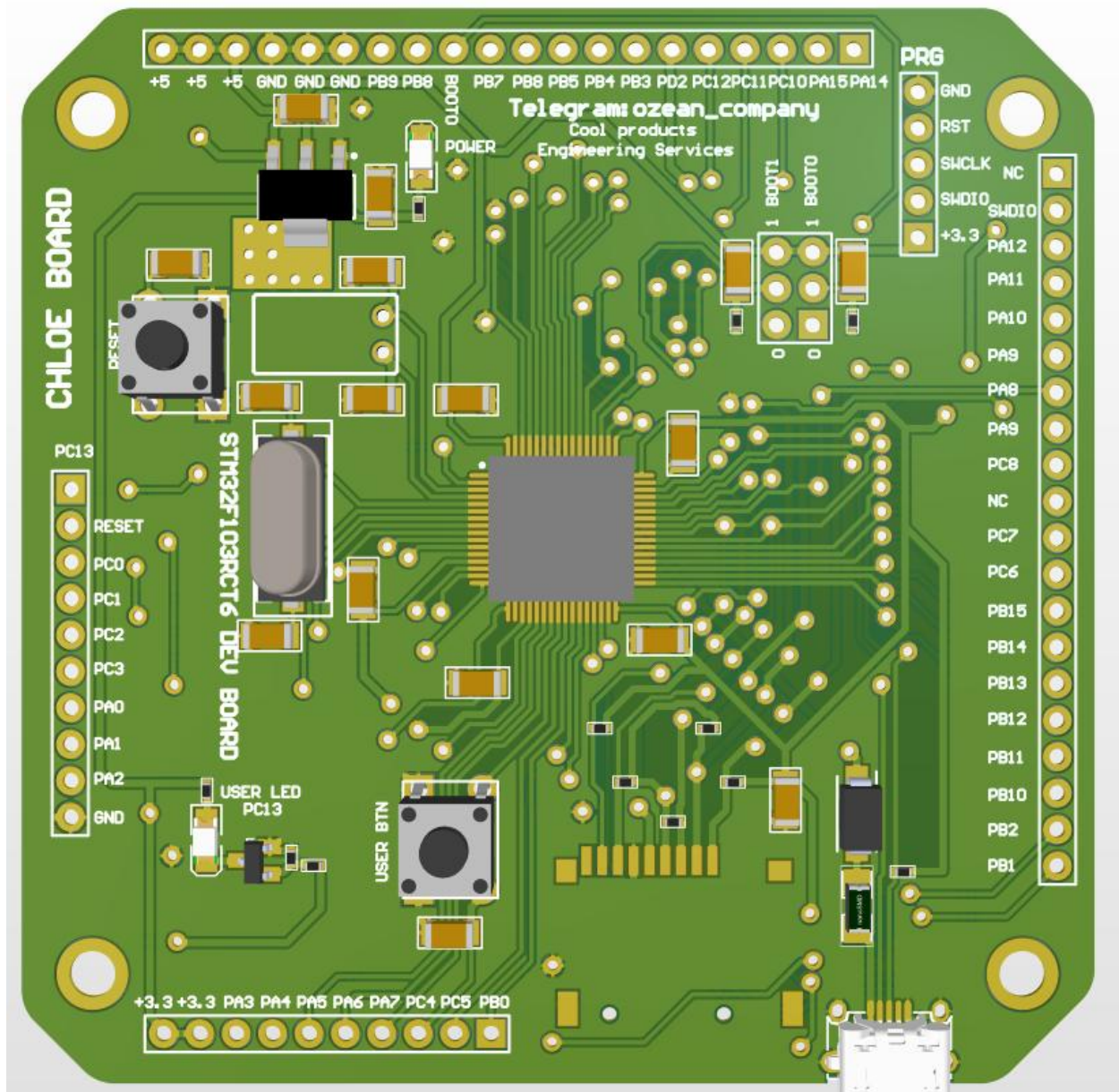


Fig 2 – board's PCB

- PC13 is connected to an active high led
- PC4 is connected to USER BTN and is 0 when button is pressed.
- PC8 -> PC12 and PD2 are connected to SDIO (Micro SD 4 bit connection protocol)
- Boot0 and boot1 are normally grounded and can be connected to VCC using a jumper wire.
- PA11 and PA12 are connected to Micro USB terminal.
- For both low speed and high speed clock reference a 32.768kHz and an 8MHz crystal is connected.

- NC is not connected to anywhere.
- Power LED turns on when device is powered.
- USB power mode is 500mA fused.
- USB will power the device only if there is a less voltage power (or no power) connected to the device. So, if you want to use USB power mode don't power the device from an external power supply or if you did, be sure external power is more than 5.5v approximately.
- In early versions of the board the four screw holes around the board don't exist.

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