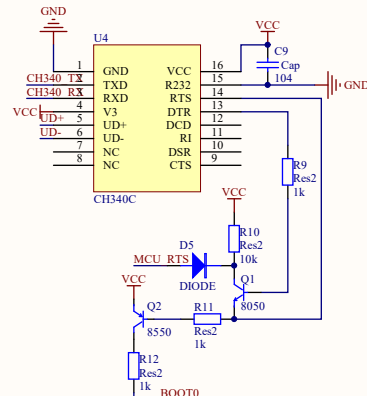
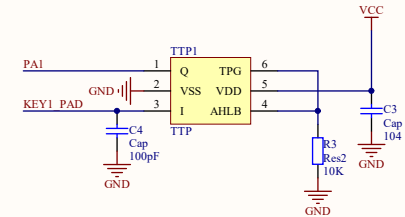


The diagram illustrates the pin configuration for the STM32F042P6 microcontroller. The pins are numbered 1 through 24. The connections are as follows:

- Pin 1 (BOOT0) is connected to VCC through a 10K resistor (R2).
- Pin 2 (PF0) is connected to SWCLK.
- Pin 3 (PF1) is connected to SWDIO.
- Pin 4 (NRST) is connected to MCU\_RTS.
- Pin 5 (VDDA) is connected to VCC.
- Pin 6 (PA0) is connected to VDD.
- Pin 7 (PA1) is connected to VSS.
- Pin 8 (LED1) is connected to PA0.
- Pin 9 (LED2) is connected to PA1.
- Pin 10 (LED3) is connected to PA2.
- Pin 11 (PA4) is connected to PA5.
- Pin 12 (LED4) is connected to PA6.
- Pin 13 (LED5) is connected to PA7.
- Pin 14 (RGB\_CTRL) is connected to PA8.
- Pin 15 (LED6) is connected to PA9.
- Pin 16 (LED7) is connected to PA10.
- Pin 17 (UART\_TX) is connected to CH340\_TX.
- Pin 18 (UART\_RX) is connected to CH340\_RX.
- Pin 19 (VCC) is connected to VCC.
- Pin 20 (SWCLK) is connected to SWCLK.
- Pin 21 (SWDIO) is connected to SWDIO.
- Pin 22 (BOOT0) is connected to BOOT0.
- Pin 23 (R1) is connected to Res2.
- Pin 24 (GND) is connected to GND.



Title		
<b>NL_L_V2.0.0</b>		
Size A3	Number	Revision
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