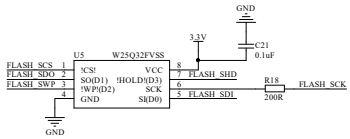


ESP32 & 0.96 Inch OLED display

SPI FLASH

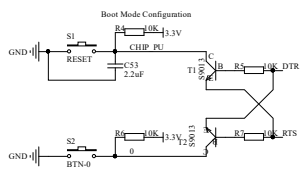


Programming Logic

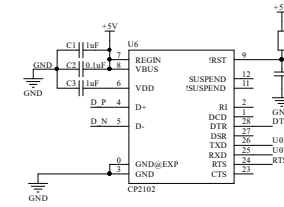
Auto-Reset

Pin	Default	Boot Download
EP00	1	0
U0TXD	1	1
EP02	0	x
EP04	0	x
MTD0	1	x
EP05	1	x
U0TXD	GPIO2	GPIO5 are floating
EP00	determines boot mode	

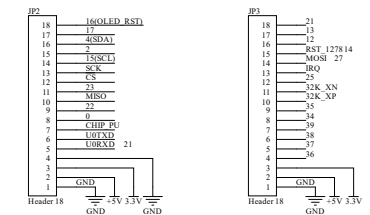
IF DTR is LOW, toggling RTS from HIGH to LOW resets to run mode.
 IF RTS is HIGH, toggling DTR from LOW to HIGH resets to boot loader.



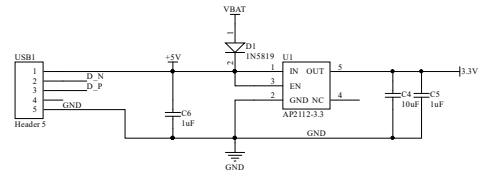
CP2102



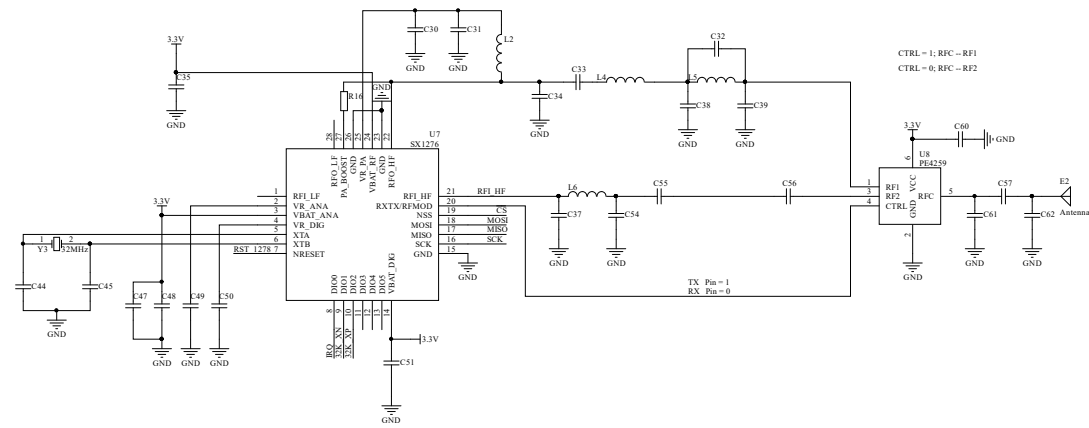
Header



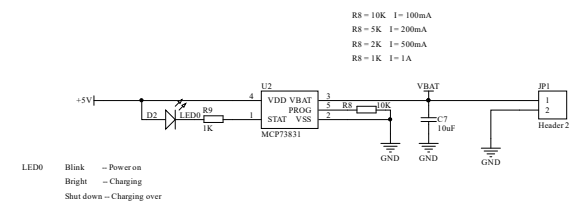
3.3V LDO



SX1276



Charging circuit



LEDD0 Blink - Power on
 Bright - Charging
 Shut-down - Charging over