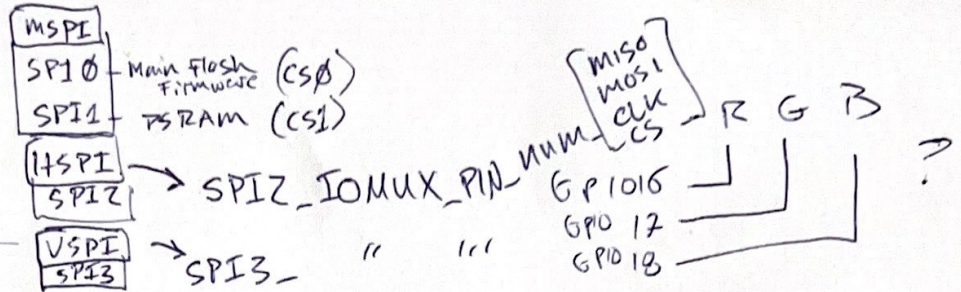


adafruit Muzzah32 Feather

SPI Defaults

	VSPI	HSPI
MOSI	23	13
MISO	19	12
SCLK	18	14
CS	5	15
WP	22	2
HP	21	4

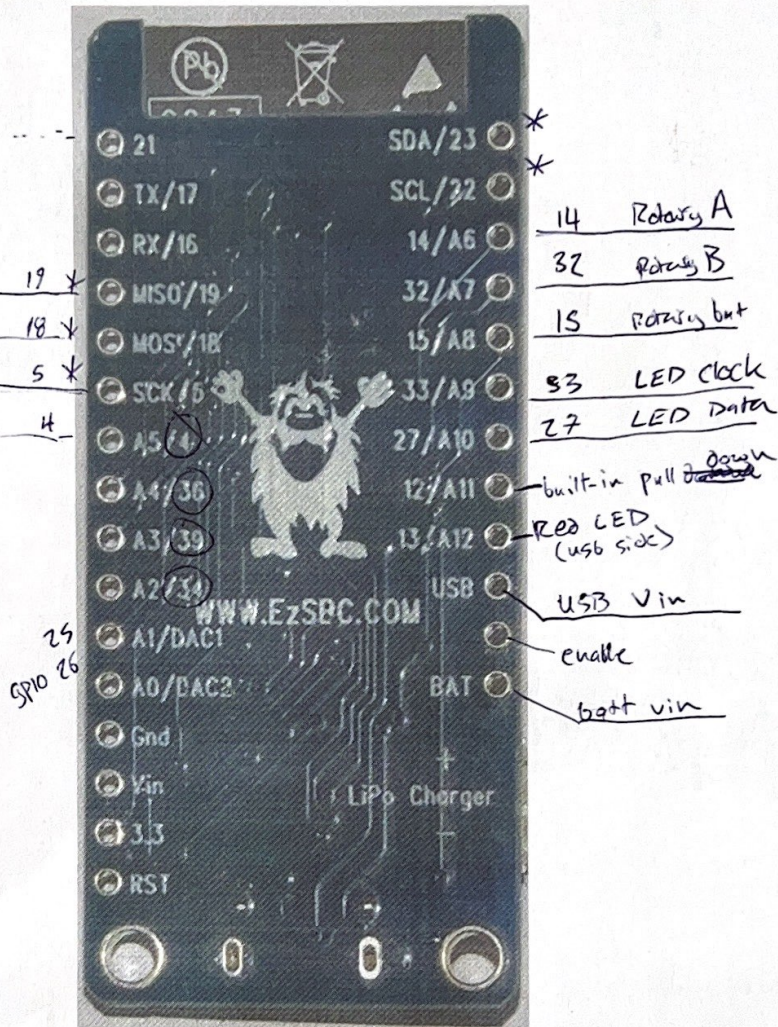


Pin Economics

Rotary A	3
URF	5
LED	2
	10

Radio	19
R	18
R	5
R	4

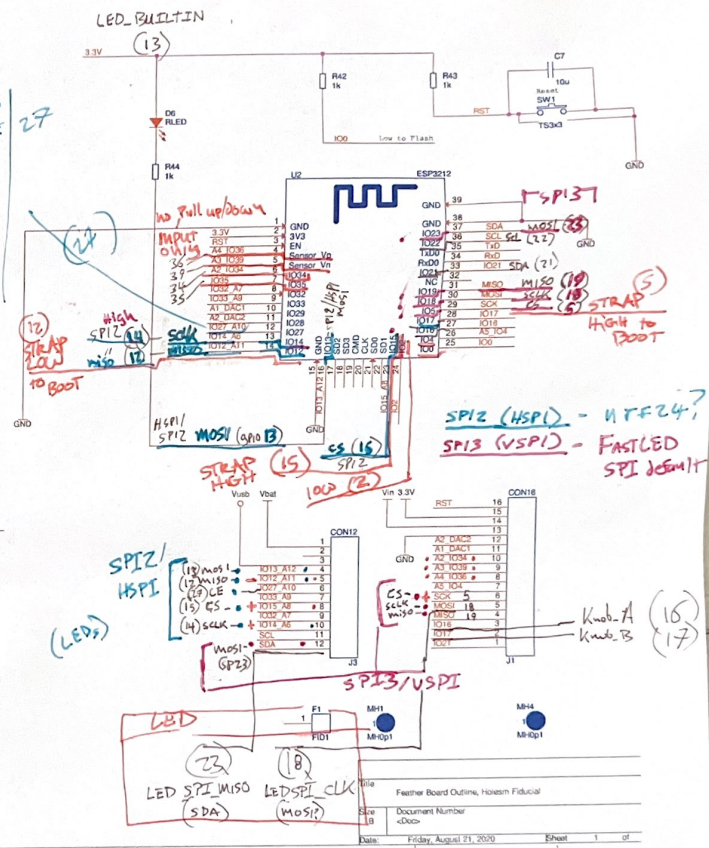
ESP32-S3 SPI
FSPI: GPIO 9-14

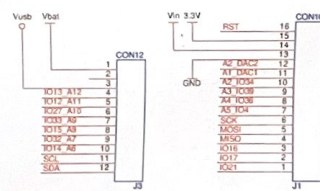
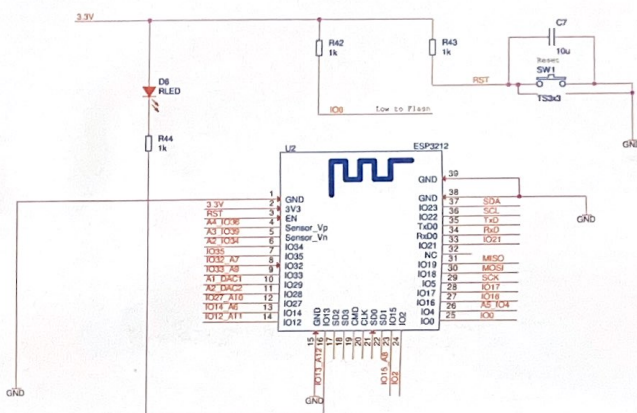
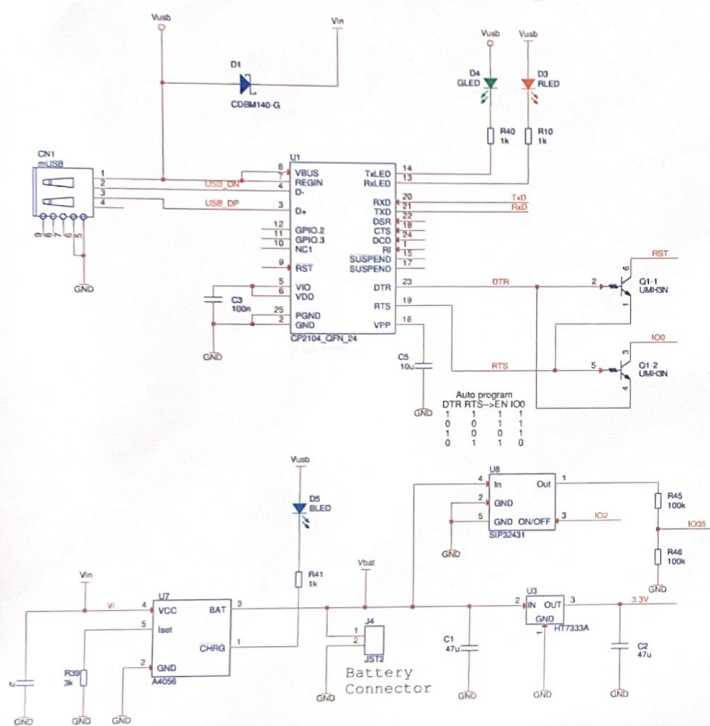


34, 35, 36, 39: ~~not~~
- only input
- NO pull-up/pull-down
SPI0 6-11 used for flash

* I2C don't have pullup (?)
scl mosi miso sda scl

— don't use —
GPIO 6, 7, 8, 9, 10, 11: SPI 1/0 Flash





Title		Festher Board Outline, Hsiam Fiducial	
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B	<Doc>		
Date	Friday, August 21, 2020	Sheet	1 of 1