Análisis de consumo

TLV2472 URL <https://www.alldatasheet.com/datasheet-pdf/pdf/28974/TI/TLV2472.html>

2 TLV2472

Según peor caso, consume de 0.9mA si TA 125°C y Vin 6V, este consumo es por canal. Consultar significado 2ma

LM1117MP-3.3 URL

<https://www.ti.com/lit/ds/symlink/lm1117.pdf?HQS=dis-dk-null-digikeymode-dsf-pf-null-wwe&ts=1648130008655>

2 LM1117MP-3.3

Iout 800mA

Ilimit current limit (Vin-Vout = 5V) 800 1200 1500 mA

ISL21080CIH315Z-TK ULR <https://www.renesas.com/us/en/document/dst/isl21080-datasheet>

3 ISL21080CIH315Z-TK

Suministros de corriente, peor caso 450nA pero caso

LM1117MP-5.0/NOPB URL <https://www.ti.com/lit/ds/symlink/lm1117.pdf?HQS=dis-dk-null-digikeymode-dsf-pf-null-wwe&ts=1648083398102>

Suponer caso, implementar 2 LM1117MP-5.0/NOPB

Iout 800mA

Ilimit current limit (Vin-Vout = 5V) 800 1200 1500 mA

LM2660MX/NOPB URL <https://www.ti.com/lit/ds/symlink/lm2660.pdf?ts=1648156290339>

1 LM2660MX/NOPB

Iin 150uA to 200 uA at 5.5V

Iout 100ma

LV = Open FC = V+ Iin 3mA

ADS1174IPAPT URL

<https://www.ti.com/lit/ds/symlink/ads1174.pdf?HQS=dis-mous-null-mousermode-dsf-pf-null-wwe&ts=1648157172652&ref_url=https%253A%252F%252Far.mouser.com%252F>

1 ADS1174IPAPT

Iin 100mA momentary, 10mA continuos

ATSAM4S8BA-AU

URL <https://ww1.microchip.com/downloads/en/DeviceDoc/Atmel-11100-32-bit%20Cortex-M4-Microcontroller-SAM4S_Datasheet.pdf>

Pagina 1158 peor caso de consume 21.4mA + 18mA

Tarjeta de memoria consumo de 20 a 100mA

2 MMBT2222ALT1G transistor hasta 600mA, análisis consumo led 20mA aprox

USB consumo 100mA a 500 mA de consumo, si es que alimenta algo. En este caso es solo para poner en alto y asegurar la comunicación binaria

LM1117MP-1.8/NOPB

1 regulador para el adc externo

Output current: 800 mA

Modulo wifi

<https://solectroshop.com/img/cms/Prod%20ENERO/esp-12f_product_specification_en.pdf>

promedio 71mA picos de 500mA