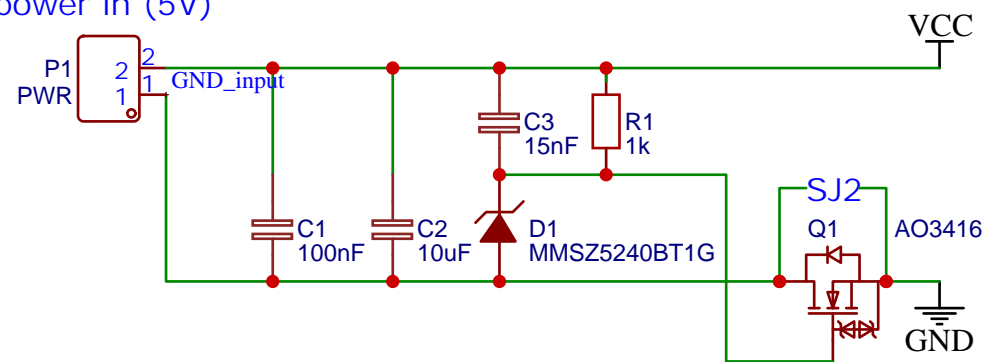
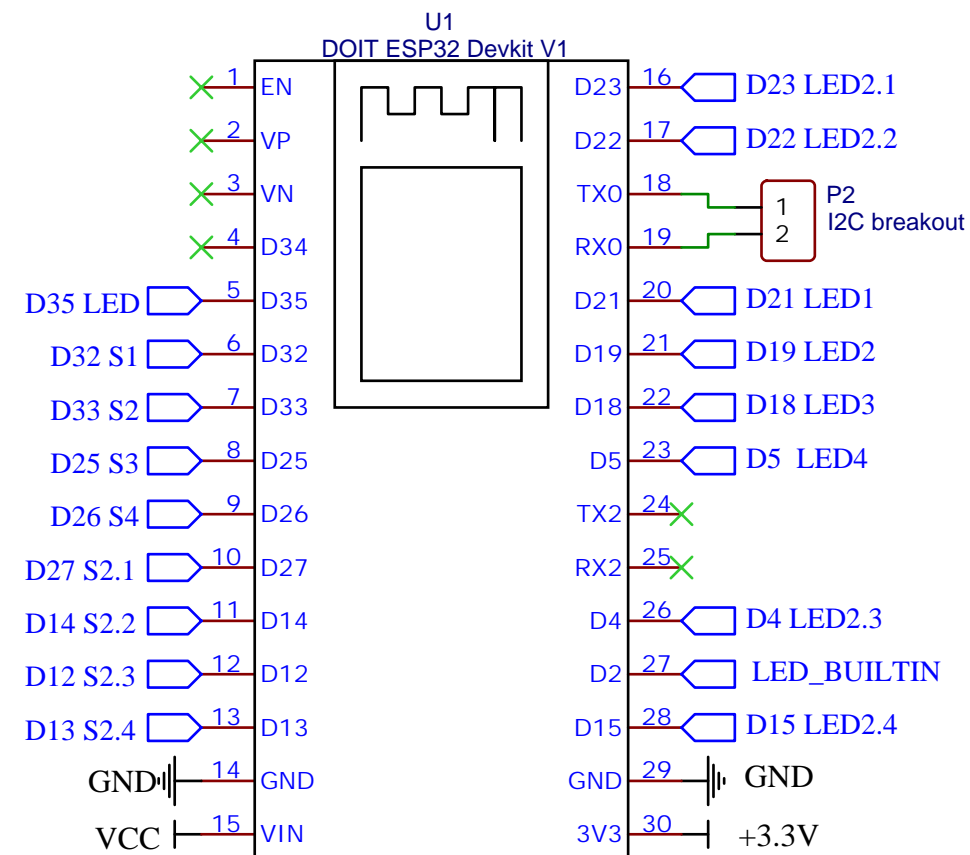


power in (5V)



C1 and C2 = filter Vcc for when a crappy adapter is used
Q1 = reverse voltage protection
SJ2 = disable/overwrite reverse voltage protection
[DEF] Q1+C3+R1+D1 to enable it



ESP32 I2C default layout:
SDA = GPIO 21
SCL = GPIO 22

FID1 FIDUCIALS
FID2 FIDUCIALS
FID3 FIDUCIALS
FID4 FIDUCIALS

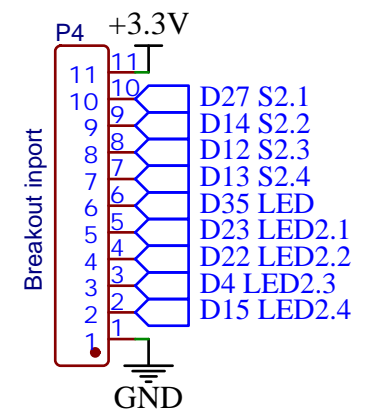
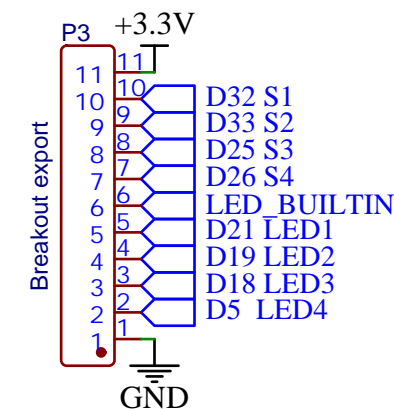
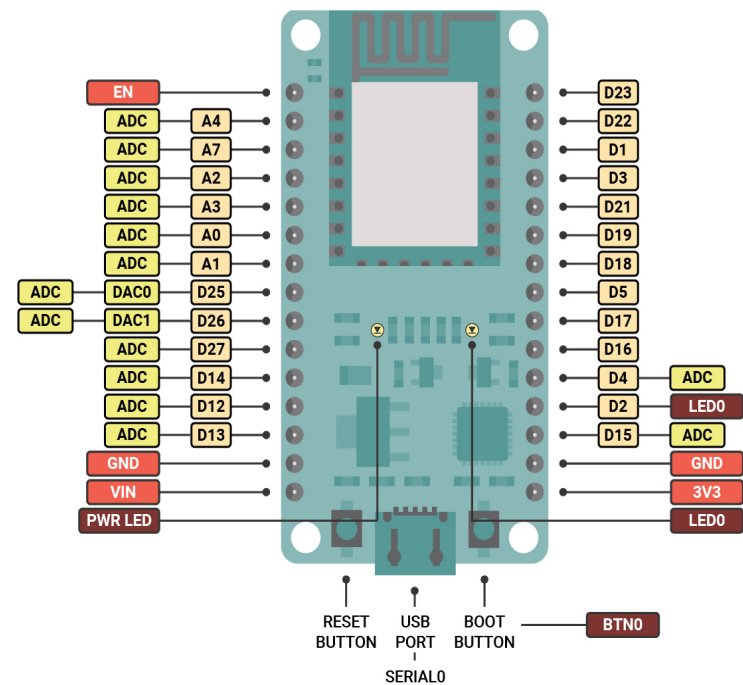
GPIOs 34 to 39 are GPIs – input only pins.
These pins don't have internal pull-ups
or pull-down resistors.

DO NOT USE D6 TO D11

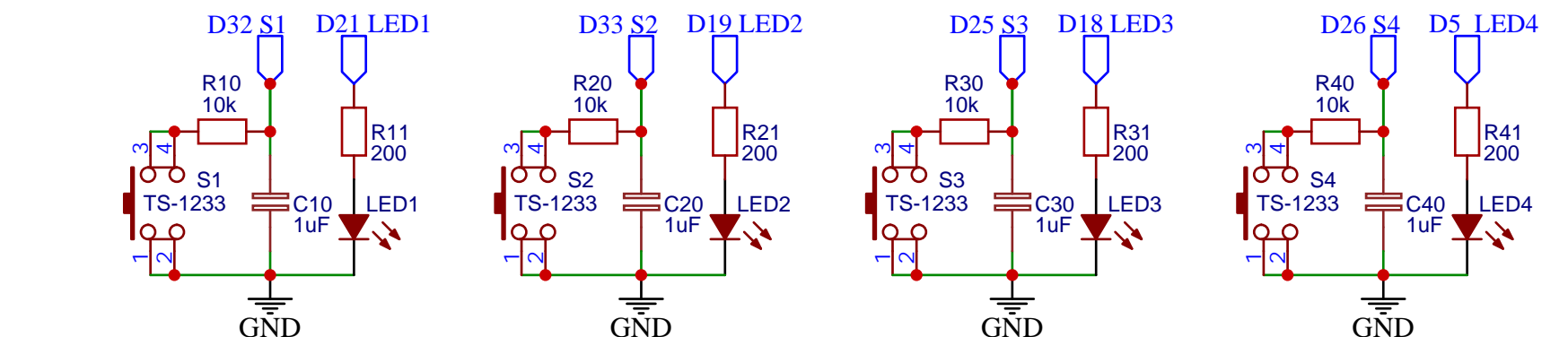
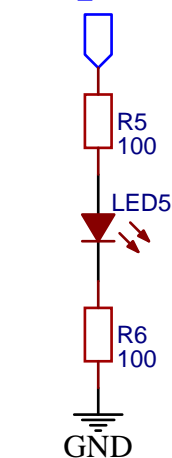
PWM IS ENABLED ON EVERY DIGITAL PIN

ICU NOT SUPPORTED

ADC ON PINS D4, D12, D13, D14, D15, D25, D26, D27
CAN BE READ ONLY WITH WI-FI NOT STARTED



LED_BUILTIN



$$V_{led} = ((5V/0.02A) - R_x) * 0.02A \text{ (must be 1.8V-2V)}$$

R#0 Current limiting resistor
R#1 Current limiting resistor LED
C#0 De-bounce capacitor
(Internal pullup is used!)

TITLE: Smart home switch		REV: 1.4
Company: JelleWho		Sheet: 1/1
Date: 2021-05-09	Drawn By: JelleWho	

