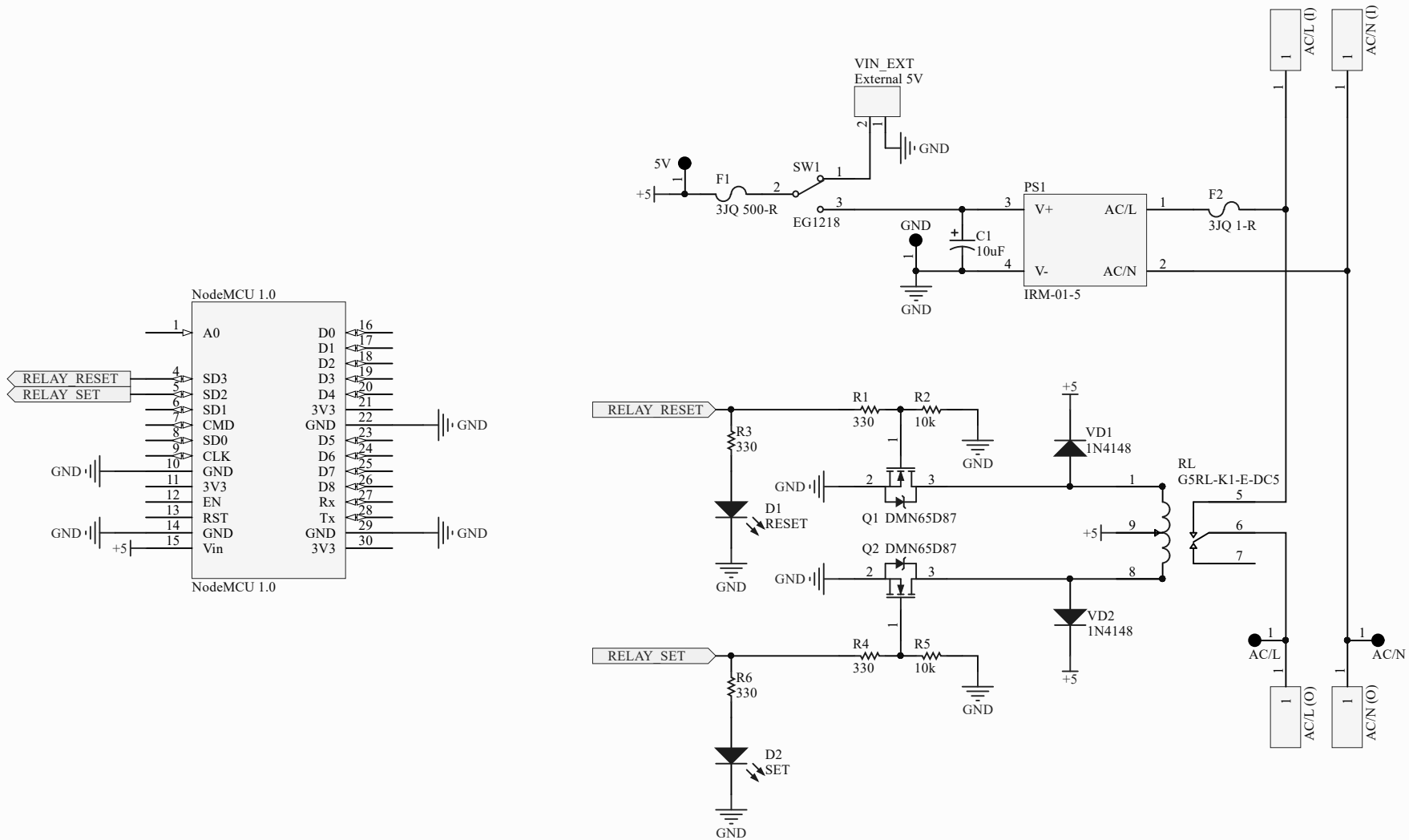


Comment	Description	Designator	Manufacturer Part Number	Quantity
Würth Elektronik 691213610001	Serie 2136 - 10.16 mm Horizontal Entry with Rising Cage Clamp WR-TBL, 1 pin	AC/L (I), AC/L (O), AC/N (I), AC/N (O)	691213610001	4
10uF	Capacitor; Alum Electrolytic; Cap 10 uF; Tol 20%; Vol-Rtg 25 VDC; SMT; 4x5.8; Tape&Reel	C1	EEEFK1E100AR	1
RESET	LED Uni-Color Red 645nm 2-Pin T-1 3/4	D1	HLMP-D150	1
SET	LED Uni-Color Red 645nm 2-Pin T-1 3/4	D2	HLMP-D150	1
3JQ 500-R	Fuse Subminiature Fast Acting 0.5A 350V Axial 5 X 15mm Glass CE/CSA/UL/cULus	F1	3JQ 500-R	1
3JQ 1-R	Fuse Subminiature Fast Acting 1A 350V Axial 5 X 15mm Glass CE/CSA/PSE/UL/cULus	F2	3JQ 1-R	1
NodeMCU 1.0	Nodemcu V2 Lua Based ESP8266 Dev	NodeMCU 1.0	113990105	1
IRM-01-5	AC/DC CONVERTER 5V 1W	PS1		1
DMN65D87	Trans MOSFET N-CH 60V 0.31A Automotive 3-Pin SOT-23 T/R	Q1, Q2		2
330	Precision resistor, SMD [Panasonic Automotive & Industrial Systems] ERJ3EKF3300V Precision resistor, SMD	R1, R3, R4, R6		4
10k	Resistor Thick Film 0603 10k Ohm 1% 1/10 Watt ±100ppm °C Surface Mount Punched Carrier Tape and Reel	R2, R5	ERJ-3EKF1002V	2
G5RL-K1-E-DC5	General Purpose Relay, G5rl-K Series, Power, Latching Dual Coil, Spdt, 5 Vdc, 16 A	RL	G5RL-K1-E-DC5	1
EG1218	Slide Switch, 500 V, -20 to 70 degC, 3-Pin THD, RoHS	SW1	EG1218	1
1N4148	Diode: switching; SMD; 100V; 0.15A; 4ns; 400mW; Package: reel, tape	VD1, VD2	1N4148W	2
External 5V	Wire-To-Board Term	VIN_EXT		1



Title		
Size	Number	Revision
A4		
Date:	2019-11-02	Sheet of
File:	SmartSwitch P1.SchDoc	Drawn By:

SmartSwitch V1

Jonathan Lin 11/02/2019

AC/N <O>

AC/L <O>

RL

PS1

NodeMCU 1.0

DO

HIGH VOLTAGE

5V

GND

VD1

VD2

Q1

Q2

R1

R2

R3

R4

R5

R6

D1

D2

F2

→

F1

C1

SW1

AC

EXT

VIN_EXT

Vin

USB

AC/N

AC/L

F2

PS1

AC/L

AC/N <I>

AC/L <I>

D1

D2

AC

EXT

VIN_EXT

Vin

USB

AC/N (O)

AC/L (O)

PS1

NodeMCU 1.0

D0

HIGH VOLTAGE

5V

GND

UD1

UD2

Q1

Q2

R1 R2

R4 R5

R3

R6

D1

D2

F2

AC/N

AC/L

-

F1

C1

SW1

AC

EXT

VIN_EX1

Vin

USB

AC/N

AC/L

AC/N (I)

AC/L (I)