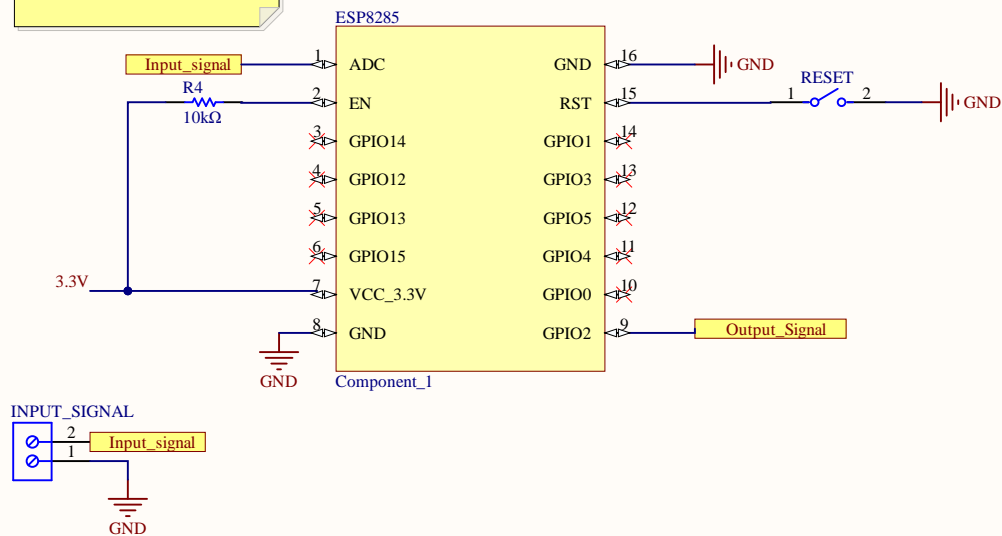
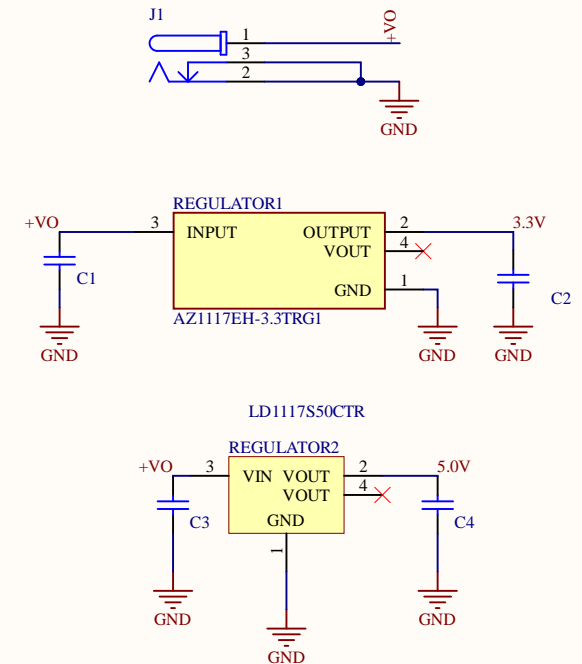


Input_signal ----> using a 1.8V DC ON and 0V DC OFF external control signal.

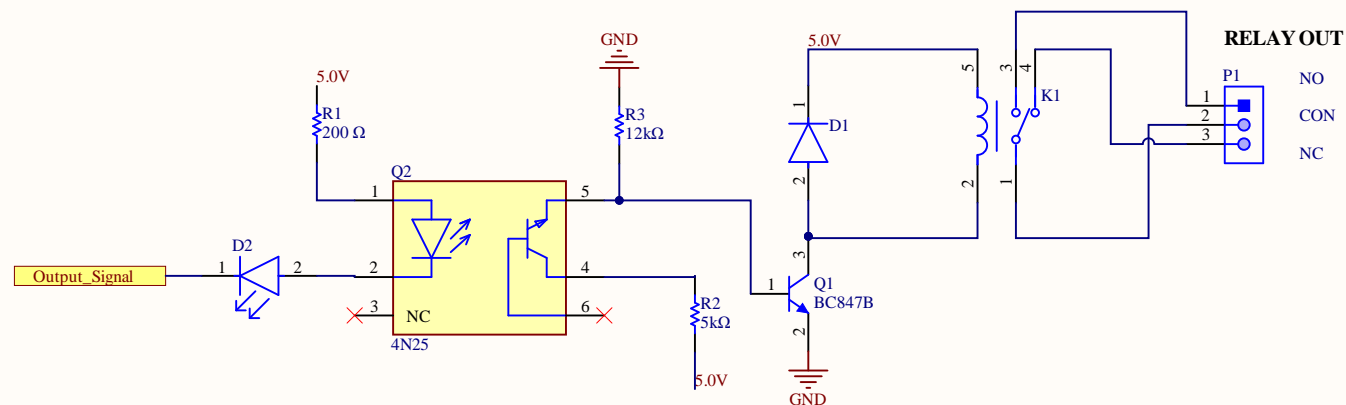
ESP8285-M1 MCU



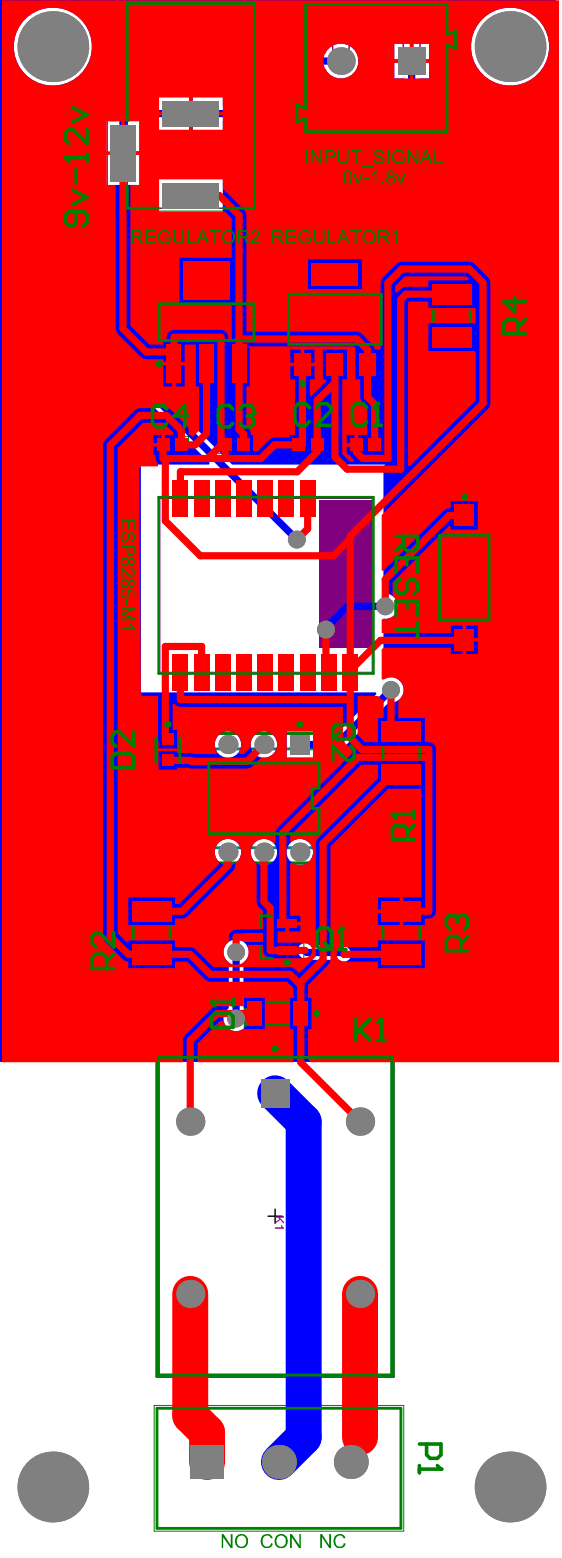
POWER CIRCUIT



RELAY CIRCUIT



Title		
Size	Number	Revision
A4		
Date:	10/25/2024	Sheet of
File:	C:\Users\...\Sheet2.SchDoc	Drawn By:



Comment	Description	Designator	Footprint	LibRef	Quantity
0603YC104KAT4A		C1, C2, C3, C4	CAPC1608X90X35LL15 T15	CMP-2006-04495-1	4
PMLL4148L,115	DIODE GEN PURP 75V 200MA LLDS	D1	FP-SOD80C-MFG	CMP-14399-000003-1	1
LTST-C190GKT	LED GREEN CLEAR CHIP SMD	D2	FP-LTST-C190GKT- MFG	CMP-22017-000005-2	1
Component_1		ESP8285	ESP8285-M1	Component_1	1
691101710002	Series 101 - 5.00 mm Horizontal Entry Modular with Pressure Clamp WR- TBL, 2 pin	INPUT_SIGNAL	691101710002	CMP-1502-03256-1	1
694106301002	DC Power Jack Connector WR-DC, Male, Right Angled, THT, 5 A, 24 V	J1	694106301002	CMP-1502-00188-1	1
G5LE-14-DC5	RELAY GEN PURPOSE SPDT 10A 5V	K1	FP-G5LE-14-DC5-MFG	CMP-08822-000008-1	1
691311500103	Serie 311 - 5.08mm Close Vertical PCB Header WR-TBL, 3 pin	P1	691311500103	CMP-1502-02147-1	1
BC847B	NPN Silicon AF Transistor, 45 V VCEO, 100 mA IC, SOT23, Reel, Green	Q1	INF-SOT23_M	CMP-1177-00042-1	1
4N25	OPTOISO 2.5KV TRANS W/BASE 6DIP	Q2	FP-4N25-MFG	CMP-22018-000009-1	1
200 Ω		R1	RESC3225X70X50ML20 T20	CMP-2005-03100-1	1
5k Ω		R2	RESC3225X70X50ML20 T20	CMP-2005-03100-1	1
12k Ω		R3	RESC3225X70X50ML20 T20	CMP-2005-03100-1	1
10k Ω		R4	RESC3225X70X50ML20 T20	CMP-2005-03100-1	1
AZ1117EH-3.3TRG1	IC REG LINEAR 3.3V 1A SOT223	REGULATOR1	FP-SOT223-MFG	CMP-12756-000039-1	1
LD1117S50CTR	Fixed Low Drop Positive Voltage Regulator, 5V, 4-Pin SOT-223, Tape and Reel	REGULATOR2	SOT-223_M	CMP-0244-00311-1	1
PTS635SL43SMTR LFS	SWITCH TACTILE SPST- NO 0.05A 12V	RESET	FP- PTS635SL43SMTR_LFS- MFG	CMP-10040-000005-1	1

