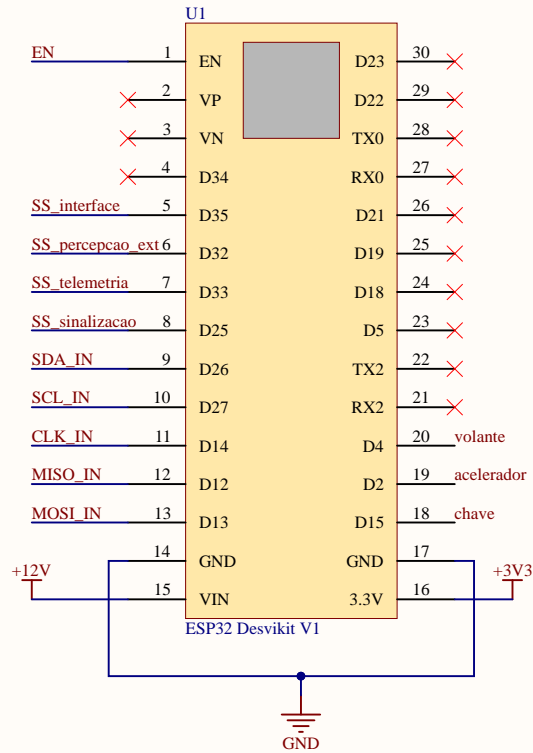
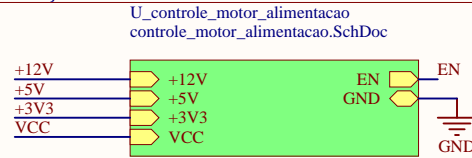


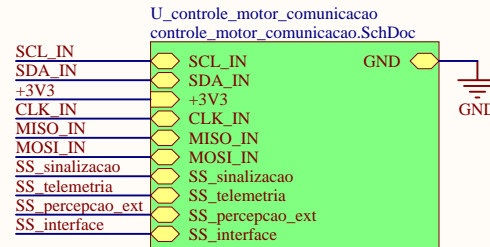
ESP32



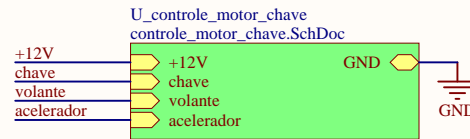
Alimentação



Comunicação

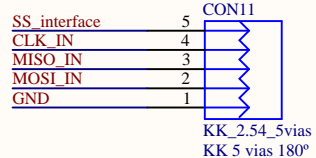
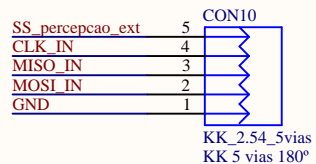
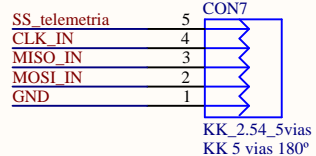


Chave a controle

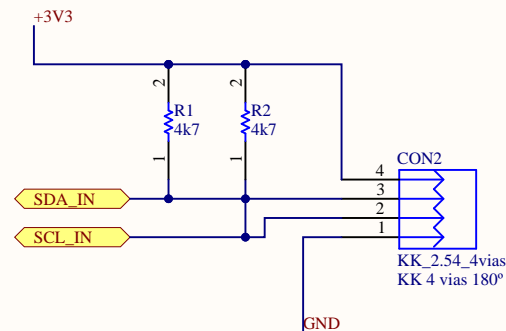


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Size A4	Number	Revision
Date:	8/27/2021	Sheet of
File:	C:\Users\...\controle_motor_oficial.SchDoc Drawn By: Vanderson da Silva do Santos	

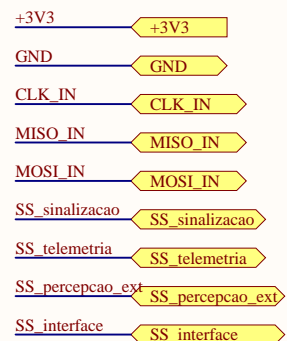
Comunicação SPI



Comunicação I²C

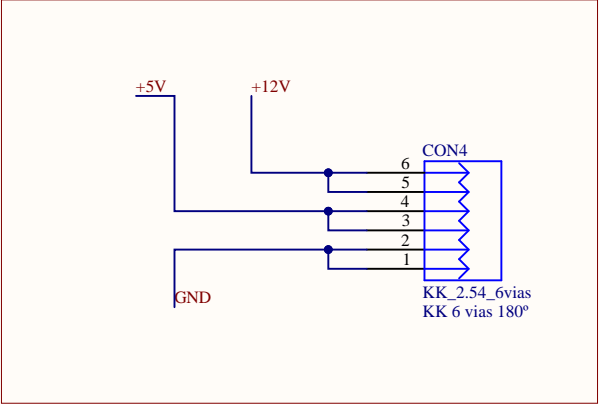


Entradas e saidas

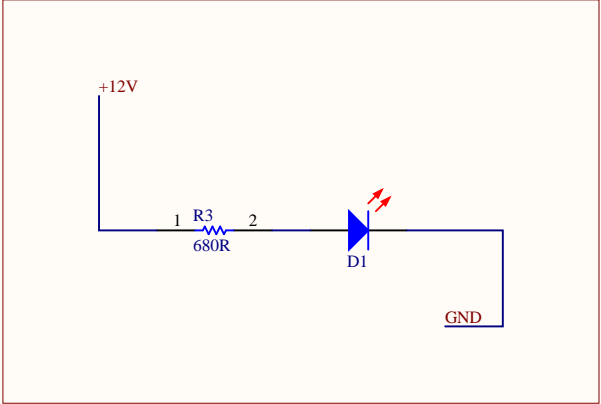


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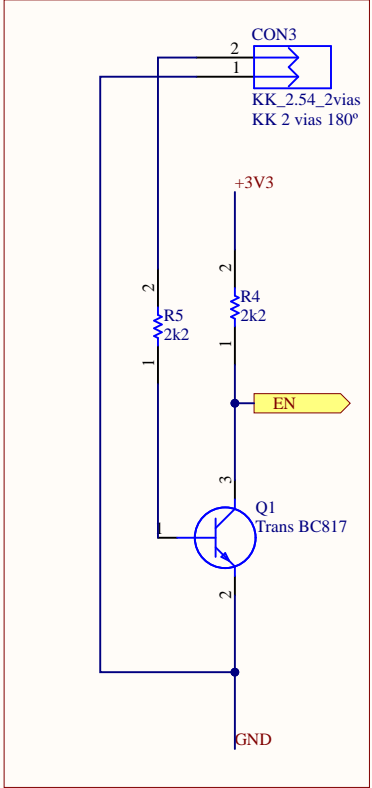
Alimentação



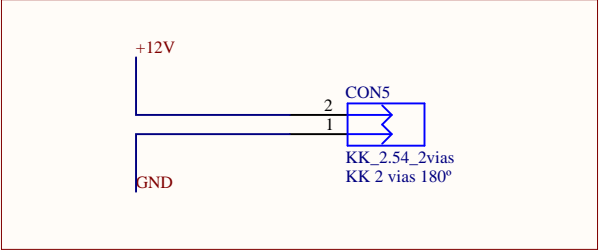
Led de alimentação



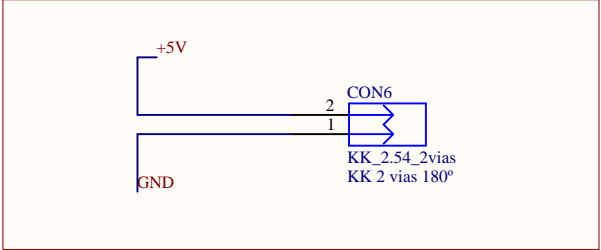
Reset



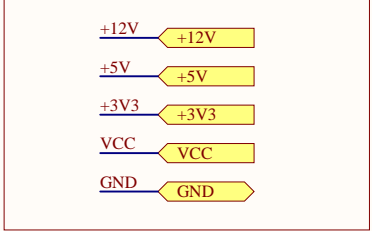
Tensão Saida 12V



Tensão Saida 5V

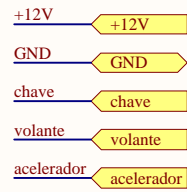


Entradas e saídas

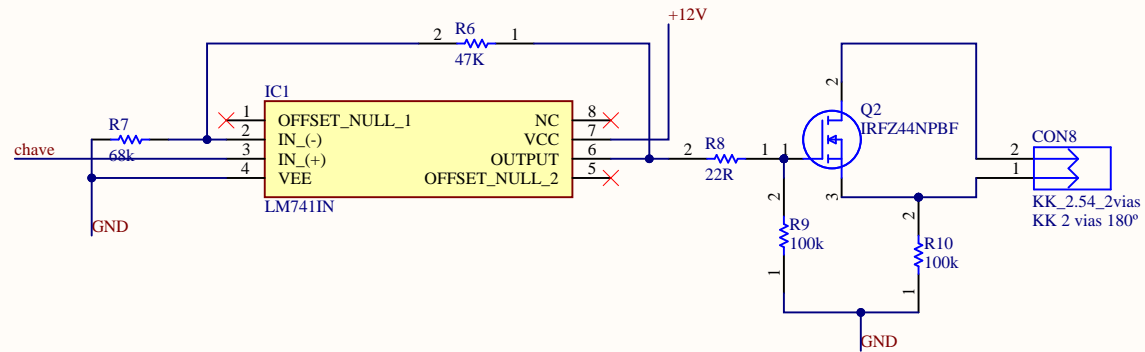


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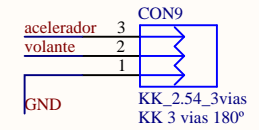
Entradas e saidas



Chave Driver



Controle Driver



Title		
Size	Number	Revision
A4		
Date:	8/27/2021	Sheet of
File:	C:\Users\...\control_motor_chave.SchDoc	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
KK_2.54_5vias	Conector KK 2.54mm 5 vias	CON1, CON7, CON10, CON11	KK_5vias_180°	KK_2.54_5vias	4
KK_2.54_4vias	Conector KK 2.54mm 4 vias	CON2	KK_4vias_180°	KK_2.54_4vias	1
KK_2.54_2vias	Conector KK 2.54mm 2 vias	CON3, CON5, CON6, CON8	KK_2VIAS_180°	KK_2.54_2vias	4
KK_2.54_6vias	Conector KK 2.54mm 6 vias	CON4	KK_6vias_180°	KK_2.54_6vias	1
KK_2.54_3vias	Conector KK 2.54mm 3 vias	CON9	KK_3vias_180°	KK_2.54_3vias	1
LED 3MM RED	LED 3MM RED	D1	LED RED	LED 3MM RED	1
LM741IN	Integrated Circuit	IC1	DIP762W50P254L712 H450Q6N	LM741IN	1
Trans BC817	Transistor BJT NPN BC817-25-7-F	Q1	SOT96P240X110-3N	Trans BC817	1
IRFZ44NPBF	MOSFET (N-Channel)	Q2	TO254P483X1016X199 4-3P	IRFZ44NPBF	1
4k7	RES 1206 5%	R1, R2	RESC3216X60N	RES 1206	2
680R	Resistor	R3	RESC3216X60N	Resistor 1206	1
2k2	Resistor	R4, R5	RESC3216X60N	Resistor 1206	2
47K	RES 1206 5%	R6	RESC3216X60N	RES 1206	1
68k	0805	R7	RESISTOR 0805	RES 0805 5%	1
22R	RES 1206 5%	R8	RESC3216X60N	RES 1206	1
100k	RES 1206 5%	R9, R10	RESC3216X60N	RES 1206	2
microcontrolador	microcontrolador com modulo bluetooth e wifi	U1	ESP32_Desvikit_v1	ESP32 Desvikit v1	1