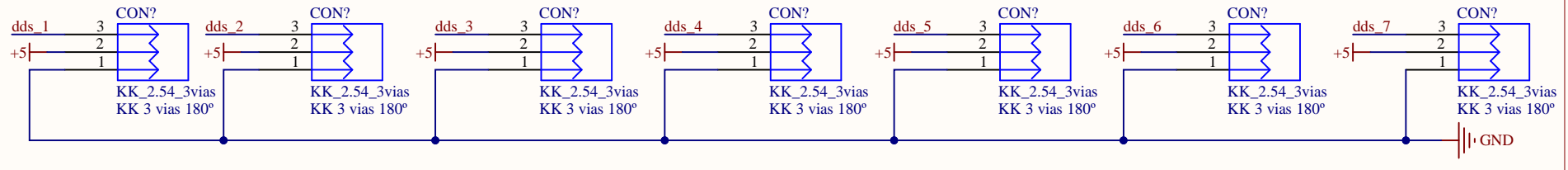
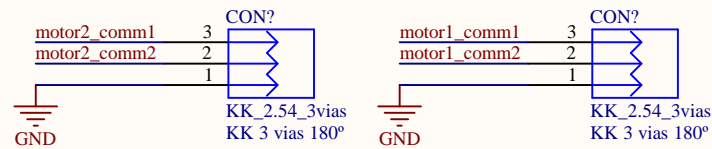


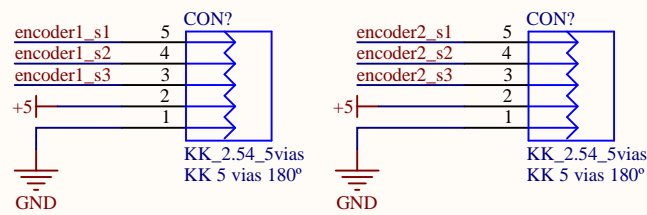
Digital Distance Sensor



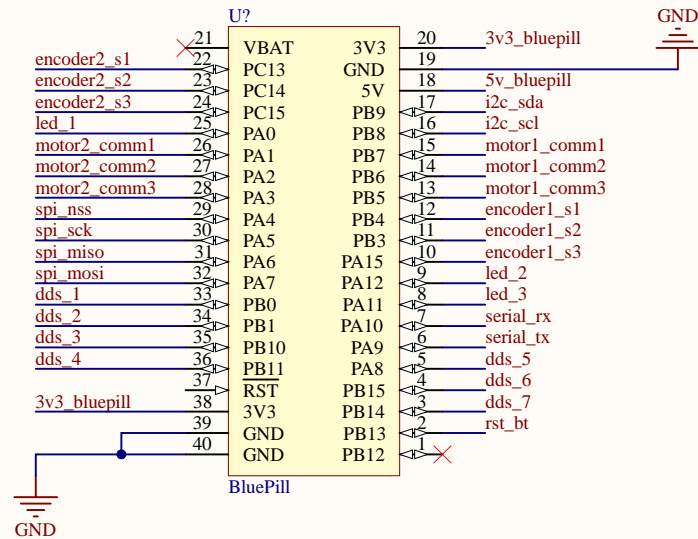
Motor Commands



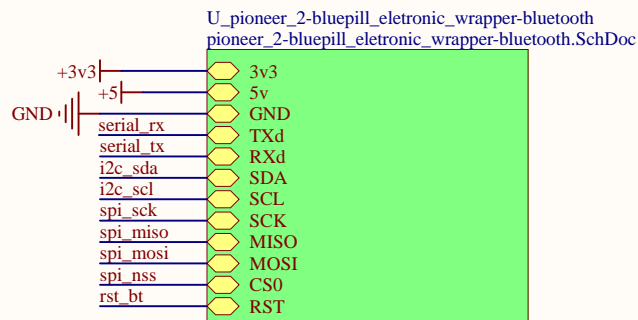
Encoders



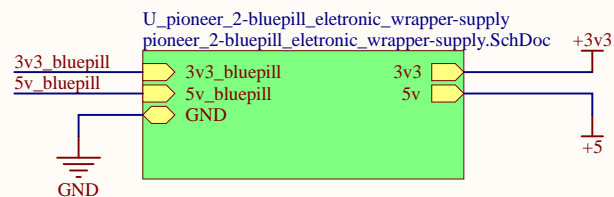
Bluepill



Bluetooth



Voltage Supply



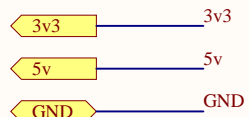
Title **pioneer_2-bluepill_eletronic_wrapper**

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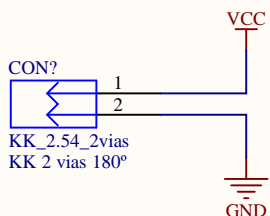
Inputs



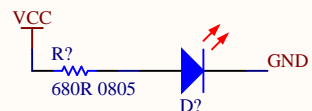
Outputs



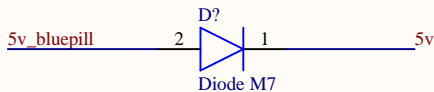
Input Supply



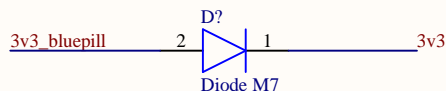
Supply Voltage Led



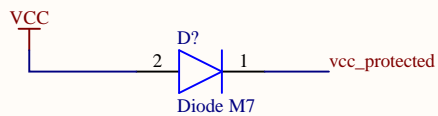
5v Protection



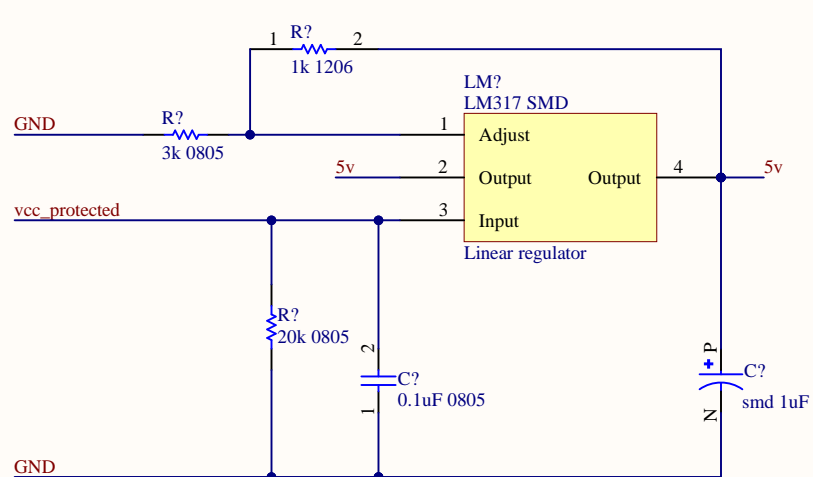
3v3 Protection



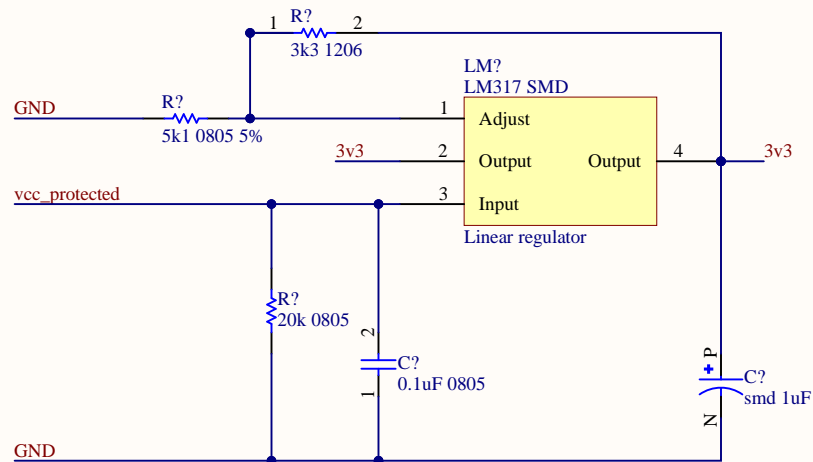
VCC Protection



Linear Regulator 5V



Linear Regulator 3V3



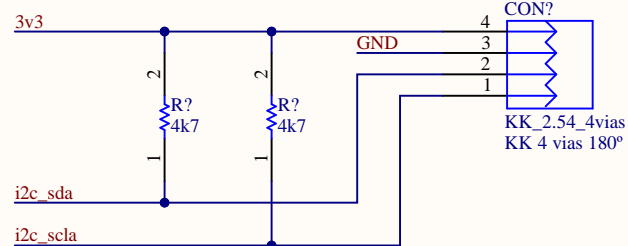
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Size A Number Revision

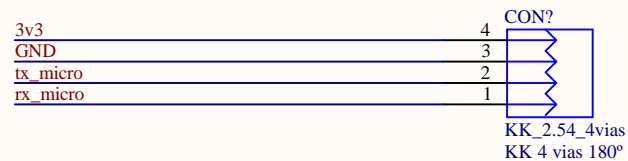
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File: C:\Users\...pioneer_2-bluepill_eletronic_wrapper-supply.SchDoc

I2C



Serial



Comment	Description	Designator	Footprint	LibRef	Quantity
0.1uF 0805	capacitor 0805	C?	CAPACITOR 0805	CAP 0805	2
smd 1uF	Aluminum Organic Polymer Capacitors smd 50volts 1uF	C?	CAP_EEE1HA2R2SR	Cap. Elet. smd 1uF 50V	2
KK_2.54_2vias	Conector KK 2.54mm 2 vias	CON?	KK_2VIAS_180º	KK_2.54_2vias	1
KK_2.54_3vias	Conector KK 2.54mm 3 vias	CON?	KK_3vias_180º	KK_2.54_3vias	9
KK_2.54_4vias	Conector KK 2.54mm 4 vias	CON?	KK_4vias_180°	KK_2.54_4vias	2
KK_2.54_5vias	Conector KK 2.54mm 5 vias	CON?	KK_5vias_180°	KK_2.54_5vias	2
Diode M7	Diode, SMA, 1000V, 1A, 150°C	D?	DIOM505270X240	Diode M7	3
LED 3MM RED	LED 3MM RED	D?	LED RED	LED 3MM RED	1
Linear regulator		LM?	SOT-223-2	lm317 smd	2
0R	0603	R?	RESISTOR 0603	RES 0603 5%	9
1k 1206	RES 1206 5%	R?	RESC3216X60N	RES 1206	1
3k3 1206	RES 1206 5%	R?	RESC3216X60N	RES 1206	1
3k 0805	0805	R?	RESISTOR 0805	RES 0805 5%	1
4k7	RES 1206 5%, RES 1206 5% SMD	R?	RESC3216X60N	RES 1206	2
5k1 0805 5%	0805	R?	RESISTOR 0805	RES 0805 5%	1
20k 0805	0805	R?	RESISTOR 0805	RES 0805 5%	2
680R 0805	0805	R?	RESISTOR 0805	RES 0805 5%	1
BluePill	BluePill - STMDuino (STM32F103)	U?	BluePill	CMP-010-000000-1	1
Small case to esp32 d1 mini	ESP32 D1 Mini	U?	ESP32 D1 MINI	ESP32 D1 Mini	1