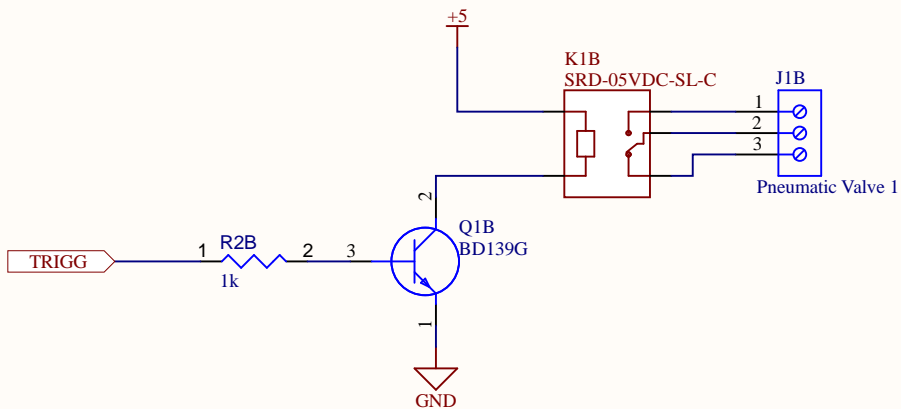


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Title		
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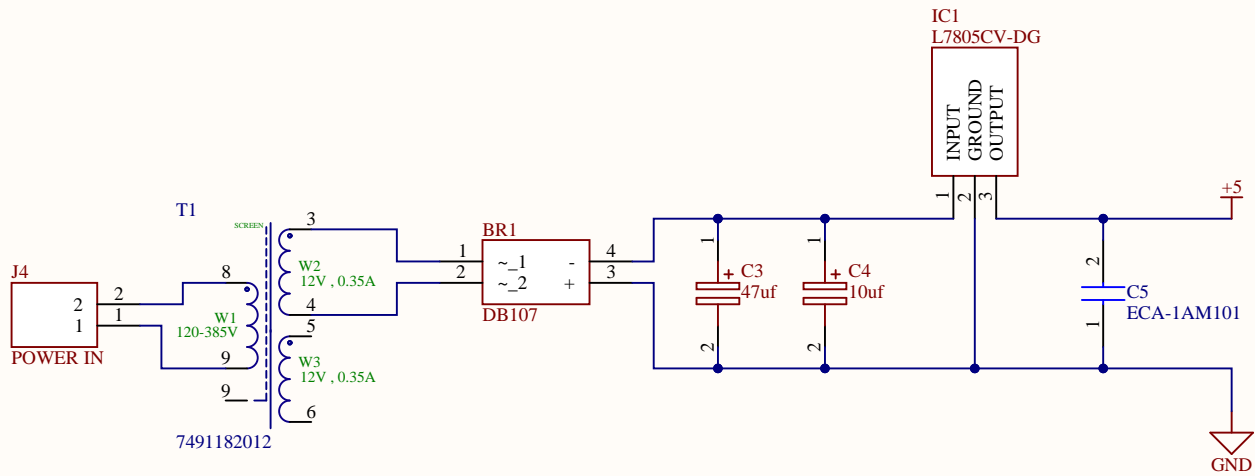
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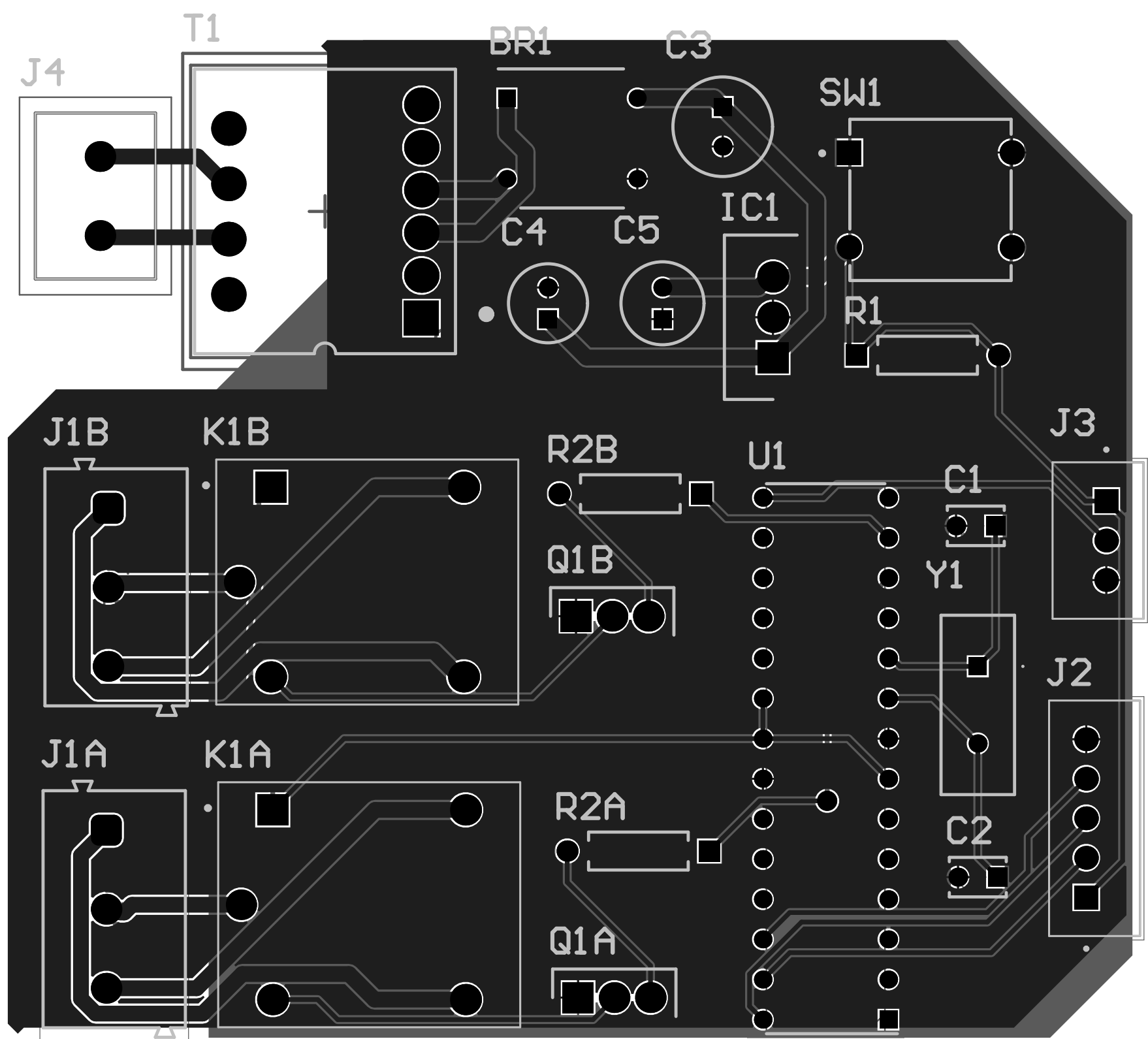
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File:	C:\Users\...\Power Supply.SchDoc	Drawn By:



Comment	Description	Designator	Footprint	LibRef	Quantity
DB107	Bridge Rectifier	BR1	DIP825W50P510L830 H340Q4N	DB107	1
22pF	Cap Ceramic 22pF 100V COG ±5% Radial 2.5mm +125°C Ammo Pack	C1, C2	FP-RCE0DB-MFG	CMP-06035-047347-1	2
47uf	Capacitor Polarised	C3	CAPPRD250W55D630 H1220	ECE-A1EN470UB	1
10uf	Capacitor Polarised	C4	CAPPRD200W55D500 H1200	ECA-1EM100	1
ECA-1AM101	Capacitor	C5	CAPPRD200W55D525 H1200	ECA-1AM101	1
L7805CV-DG	Integrated Circuit	IC1	TO255P460X1020X200 8-3P	L7805CV-DG	1
Pneumatic Valve 1		J1A, J1B	691101710003	CMP-1502-03257-2	2
RGB Sensor	Connector Header Through Hole 5 position 0.098 (2.50mm)	J2	JST_B5B-XH- A(LF)(SN)	B5B-XH-A(LF)(SN)	1
Proximity	Connector Header Through Hole 3 position 0.098 (2.50mm)	J3	JST_B3B-XH-A (LF)(SN)	B3B-XH-A_(LF)(SN)	1
POWERIN	Connector	J4	TB00250002BE	TB002-500-02BE	1
SRD-05VDC-SL-C	5V Trigger Relay Module For Arduino And Raspberry Pi 5V Trigger Relay Module For Arduino And Raspberry Pi	K1A, K1B	RELAY_SRD-05VDC- SL-C	SRD-05VDC-SL-C	2
BD139G	Transistor BJT NPN	Q1A, Q1B	TO229P300X760X1364 3P	BD139G	2
MFR-25FBF52-10K	Axial Resistor, 10 KOhm, +/- 1%, 0.25 W, -55 to 155 degC, 2- Pin THD, RoHS, Bulk	R1	RESA60-630X240	CMP-009-00047-4	1
MFR-25FBF52-1K	Axial Resistor, 1 KOhm, +/- 1%, 250 mW, -55 to 155 degC, 2-Pin THD, RoHS, Bulk	R2A, R2B	RESA60-630X240	CMP-009-00048-4	2
RESET	SKQBARA010 Switch Tactile N.O. SPST Round Button PC Pins 0.05A 12VDC 1.57N Thru-Hole Automotive	SW1	FP-SKQBARA010-MFG	CMP-00631-07849992- 1	1
7491182012	Off-Line Transformer WE-UNIT, L=0.9mH	T1	EE16_7_4 (E16)	CMP-1471-00001-1	1
ATMEGA328P-PU	Integrated Circuit	U1	DIP794W53P254L3467 H457Q28N	ATMEGA328P-PU	1
ECS-160-S-4X	Crystal or Oscillator	Y1	ECS160S4X	ECS-160-S-4X	1