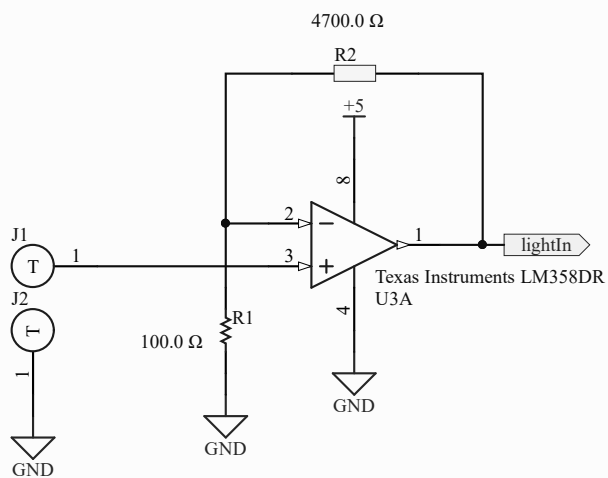
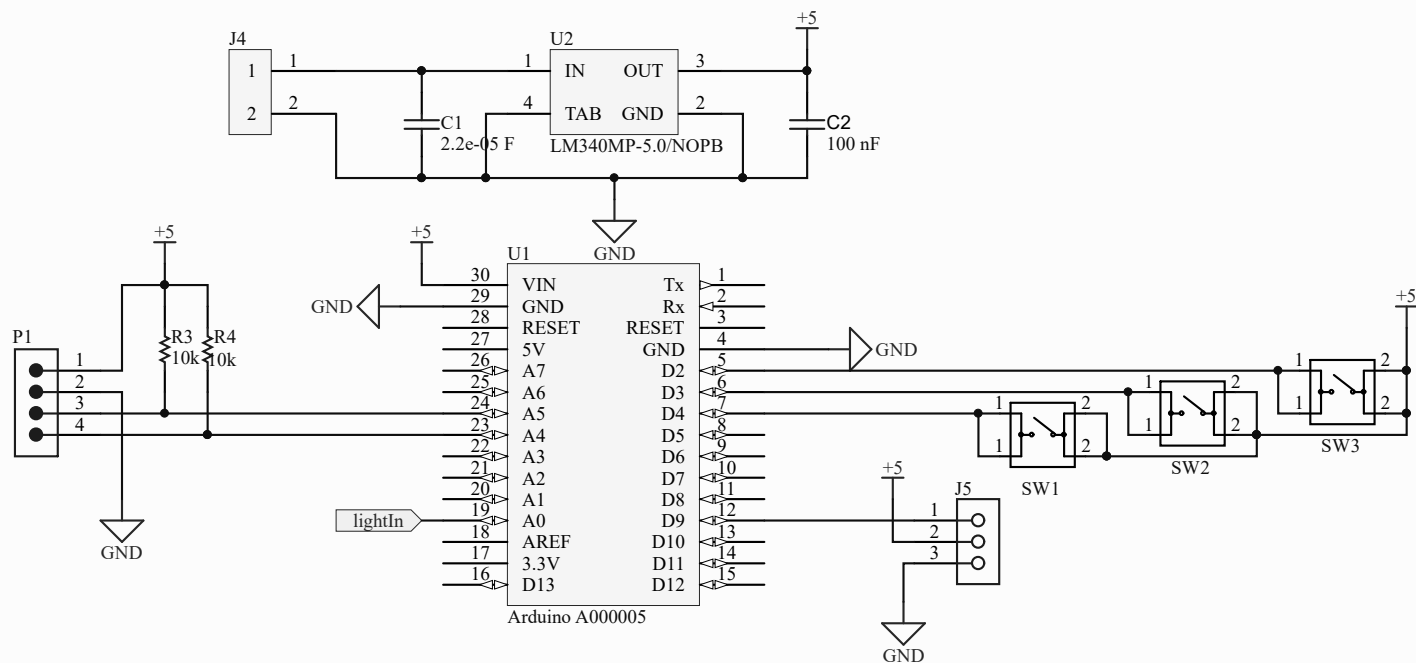
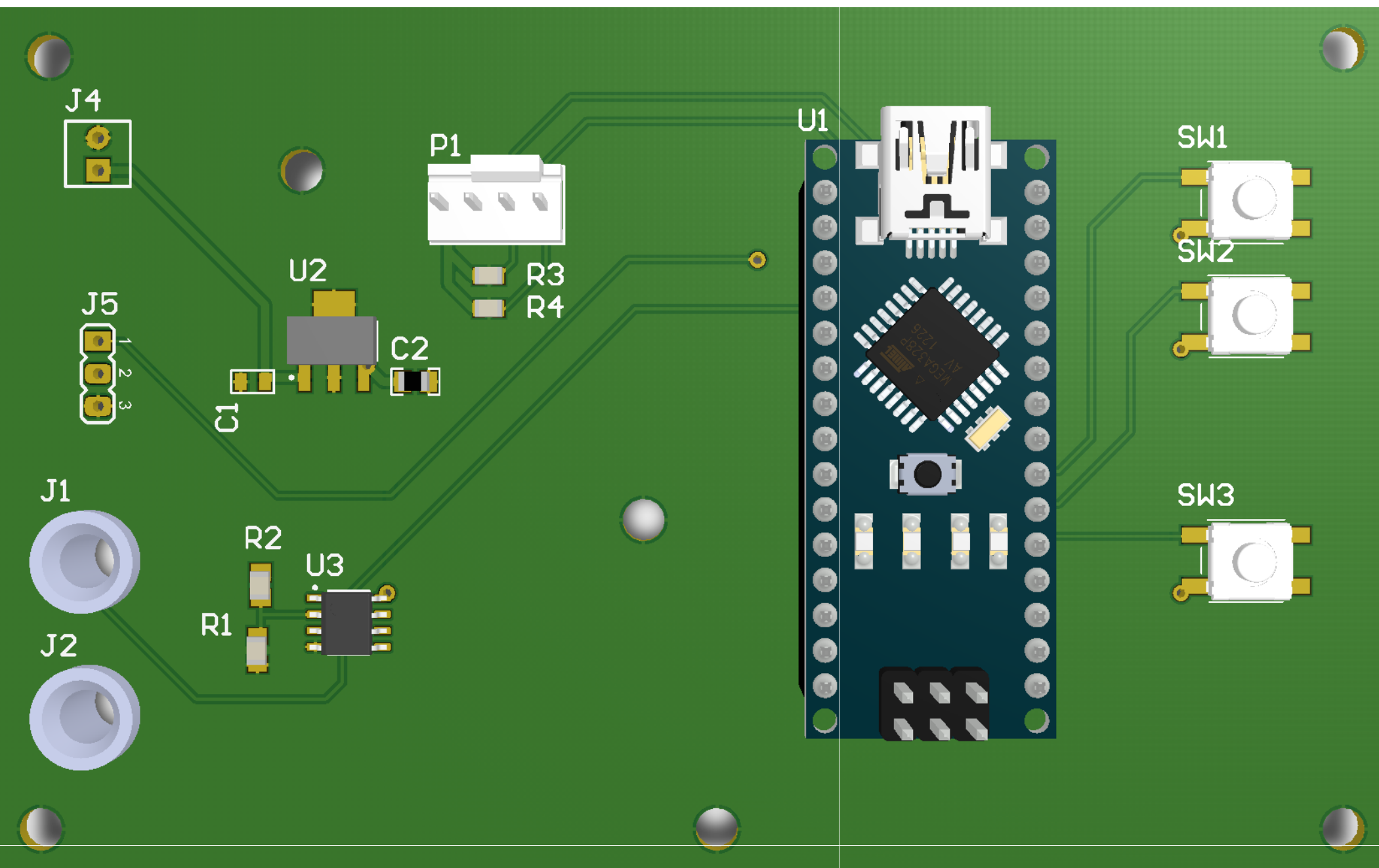
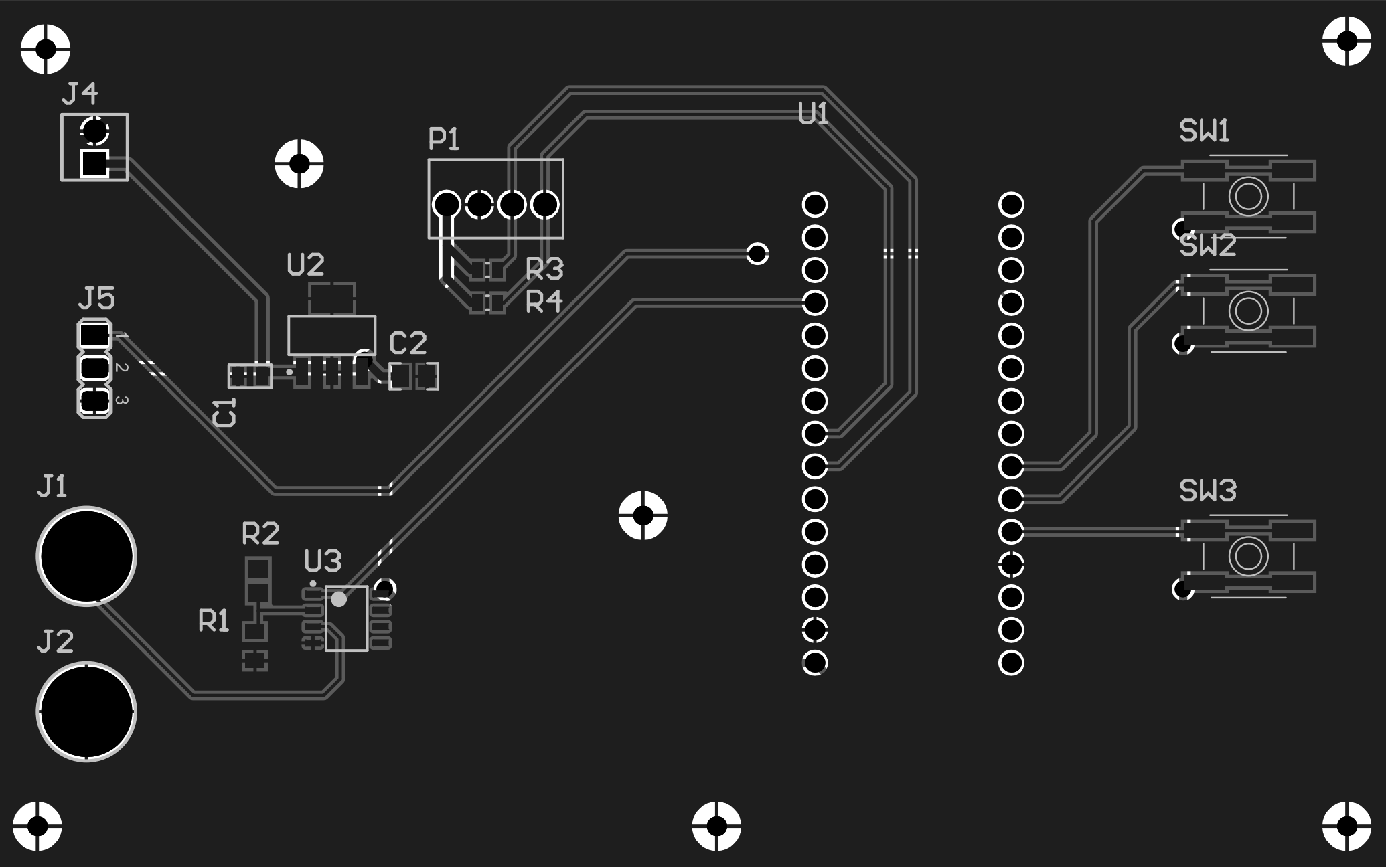


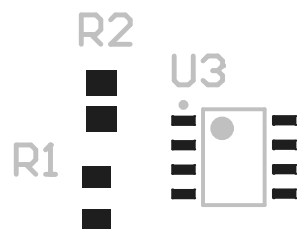
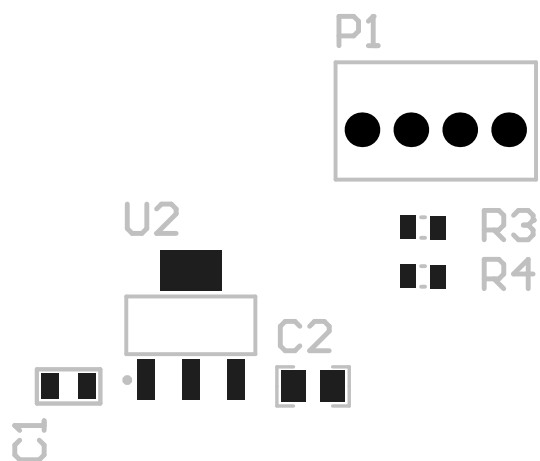
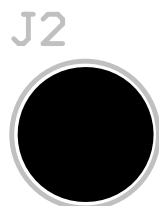
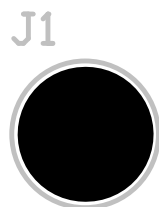
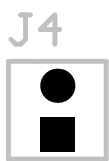
Comment	Description	Designator	Footprint	LibRef	Octopart URL	OctopartID	Quantity	Manufacturer Part Number
2.2e-05 F	0805 22 uF 25 V ±20% Tolerance X5R SMT Multilayer Ceramic Capacitor	C1	PCB-4097432-1	CMP-3979867-4	http://octopart.com/grm21br61e226me44l-murata-20025355	00bec885b5d3df79	1	GRM21BR61E226ME44L
100 nF	C Series 0805 0.1 uF 100 V ±10 % Tolerance X7R SMT Multilayer Ceramic Capacitor	C2	PCB-g9audf6dxfbc1ghpj3c3-1	CMP-fd4335c2367f2284-1	http://octopart.com/c2012x7r2a104k125aa-tdk-25947738	fd4335c2367f2284	1	C2012X7R2A104K125AA
Keystone 575-8	Standard Brass Nickel Plated 0.350 inch Non-Insulated Banana Jack	J1, J2	PCB-1bm9t89ft7xhopxmduu-1	CMP-7169b8603ba-daeae-2	http://octopart.com/575-8-keystone-225186	7169b8603ba-daeae	2	575-8
TE Connectivity 281695-2	AMPMODU HE14 Series, 2.54mm Pitch 2 Way 1 Row Straight PCB Header, Solder Term	J4	PCB-55uug6ujkbv21exb3umc-1	CMP-e5782e1080433abf-3	https://octopart.com/281695-2-te+connectivity-39993437	e5782e1080433abf	1	281695-2
TE Connectivity 825433-3	Pin header; pin strips; AMPMODU MOD II; male; PIN: 3; straight	J5	PCB-43x6b8o6d5mxbq35c0sh-1	CMP-52d299a8d8748d15-12	http://octopart.com/825433-3-te+connectivity-40939456	52d299a8d8748d15	1	825433-3
Molex 047053 1000	2.54mm Pitch Vertical Header, with Friction Lock, 4 Circuits, PC Tail Length: 3.50mm	P1	PCB-kyzvxp2nvgymcljxmwn-1	CMP-d93b10f8176306fc-2	https://octopart.com/0470531000-molex-13232958		1	0470531000
100.0 O	Thick Film Resistors - SMD 0805 100ohms 1% Tol	R1	RESC2013X70X40NL20T20	CMP-3653920-3	https://octopart.com/erj-6enf1000v-panasonic-55403680	8ec74480cf015100	1	ERJ-6ENF1000V
4700.0 O	R	R2	RESC2013X70X40ML20T20	CMP-3655882-7	https://octopart.com/erj-6geyj472v-panasonic-55423009	01d1cb969496de16	1	ERJ-6GEYJ472V
10k	RESISTOR, SURGE, 0805, 1%, 10K	R3, R4	PCB-9100704-3	CMP-5631878-3	https://octopart.com/erj-p06f1002v-panasonic-18511326	fb7a336aabc224bd	2	ERJ-P06F1002V
Panasonic ERJ-6GEYJ472V	R	R5	RESC2013X70X40ML20T20	CMP-3655882-7	https://octopart.com/erj-6geyj472v-panasonic-55423009	01d1cb969496de16	1	ERJ-6GEYJ472V
Panasonic EVQ-Q2B03W	Switch Tactile ON OFF SPST Round Button J-Bend 0.02A 15VDC 0.5N SMD Embossed T/R	SW1, SW2, SW3	PCB-772q97a3nev1hwheshwj-1	CMP-0c8bc5972372d34c-1			3	
Arduino A000005	Nano 3.0 Atmel Atmega 328 MCU board	U1	PCB-ua5qy7e05xd0j5xquvm7-1	CMP-f1bd39841b322e7a-52			1	
LM340MP-5.0/NOPB	Series 3-Terminal Positive Regulators, 4-pin SOT-223, Pb-Free	U2	MP04A_L	CMP-0062-01784-3	https://octopart.com/lm340mp-5.0%2Fnopb-texas+instruments-24813789	907f580f15c44fb8	1	LM340MP-5.0/NOPB
Texas Instrument	Dual Operational Amplifier, 3 to 32 V, 0	U3	D0008A_L	CMP-da19131	http://octopa	da191315c37a	1	LM358DR



Title		
Size	Number	Revision
A		
Date:	1/14/2019	Sheet of
File:	MainBoard.SchDoc	Drawn By:







U1

