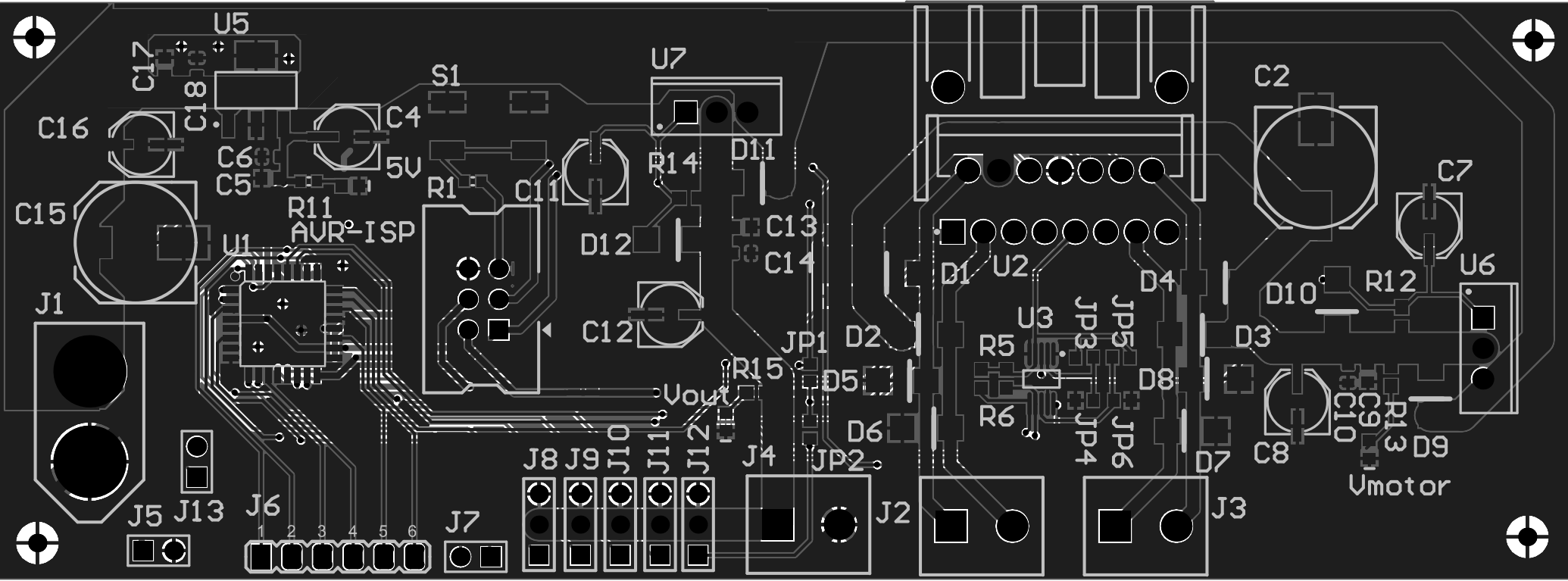
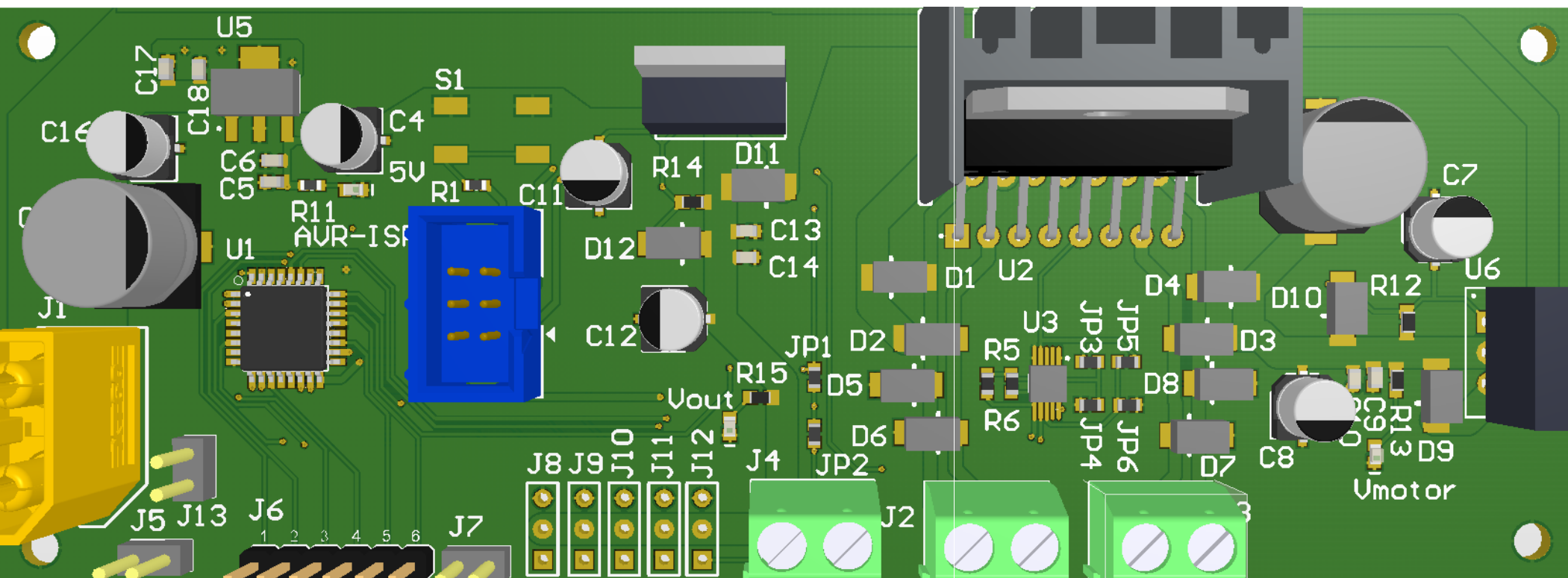
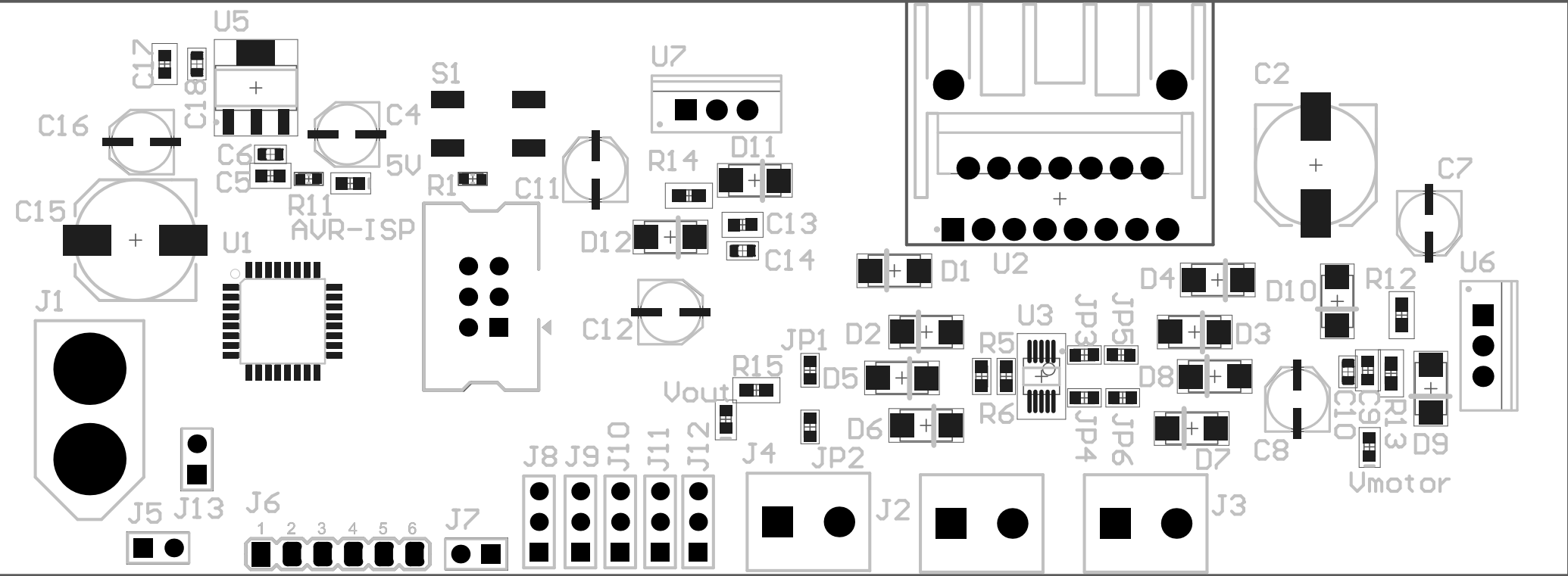


Description	Quantity	Cost	Designator	Comment	Manufacturer	Part Number	Vendor	Part Number	OctopartID	Octopart URL	LibRef	Footprint
Voltage Regulator GHL	2		U6, U7	LM338T		LM338T			2026e8571bb8ffe1	<a href="https://octopart.com/m338-texas+instruments-24846072">https://octopart.com/m338-texas+instruments-24846072</a>	CMP-0062-02475-4	T038
Series 3-Terminal Positive Regulators, 4-pin SOT-223	1		U5	LM340MP-5.0		LM340MP-5.0			9f1157611aab40d6	<a href="https://octopart.com/m340mp-5.0-texas+instruments-24813788">https://octopart.com/m340mp-5.0-texas+instruments-24813788</a>	CMP-0062-01765-3	MP04A_L
Digital Potentiometer 10KOhm 256POS Volatile Automotive 10-Pin MSOP Tube	1		U3	Analog Devices AD5248BRMZ10		AD5248BRMZ10			dd00140c294302c7	<a href="https://octopart.com/m340mp-5.0-texas+instruments-24813788">https://octopart.com/m340mp-5.0-texas+instruments-24813788</a>	CMP-dd00140c294302c7-4	PCB-ym13wcdvz1m4w2wpj-e0i-1
L298 Series 46 V 2 A Dual Full Bridge Driver Vertical - Multiwatt-15	1		U2	L298N		L298N					CMP-1162431-16	PCB-jbonm3203v3fydy9p7-e-1
Aur 32kb f., 1kb Eeprom, 2kb Ram, -20mhz, Tqfp, Ind Temp, Green 5 v tdr	1		U1	Atmel ATMEGA328PB-AUR		ATMEGA328PB-AUR			2e4ee4a00354f189	<a href="http://octopart.com/atmega328pb-aur-atmel-65276028">http://octopart.com/atmega328pb-aur-atmel-65276028</a>	CMP-2e4ee4a00354f189-3	PCB-5e0k0uw64gvuqrkqkti-1
Switch Tactile N.O. SPST Round Button J-Bend 0.05A 24VDC 50000Cycles 1.57N SMD Embossed Tape	1		S1	Onwon 835N-3112P		835N-3112P			4188888f95559e4f	<a href="http://octopart.com/835n-3112p-onwon-913851">http://octopart.com/835n-3112p-onwon-913851</a>	835N-3112P	PCBComponent_1
Chip Resistor, 560 Ohm, +/- 1%, 0.1 W, -55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel	4		R12, R13, R14, R15	560 O		ERJ-3EKF5600V			79f6bd71758ea631	<a href="http://octopart.com/erj-3ekf5600v-panasonic-9251102">http://octopart.com/erj-3ekf5600v-panasonic-9251102</a>	CMP-1846136-3	RESC1608X55X30ML1-5T15
Res Thick Film 0.5 Ohm 1% 25W 7100ppm/C Molded D-Pak Gull Wing SMD Automotive Tube	2		R7, R8	0.5 O							CMP-9be2537f7992d44-25-1	PCB-lhwxagd5sb63eq7zhf-e-1
RES SMD 10K OHM 1% 1/10W 0603	2	0.10	R5, R6	10k	Panasonic Electronic Components	ERJ-3EKF1002V	Digikey	P10.0XHCT-ND	ad3c6784ecda7204	<a href="http://octopart.com/erj-3ekf1002v-panasonic-55403647">http://octopart.com/erj-3ekf1002v-panasonic-55403647</a>	CMP-1846091-14	PCB-gurq6734tludcfayfx-
Chip Resistor, 330 Ohm, +/- 1%, 0.1 W, -55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel	3		R2, R3, R4	330 O		ERJ-3EKF3300V			d5711c6d9560ab6	<a href="http://octopart.com/erj-3ekf3300v-panasonic-9251137">http://octopart.com/erj-3ekf3300v-panasonic-9251137</a>	CMP-1846135-8	RESC1608X55X30ML15-T15
Res Thick Film 0603 220 Ohm 1% 1/10W 1±100ppm/C Molded SMD SMD Punched Carrier T/R	2		R1, R11	220 O		ERJ-3EKF2200V			08d3c1193b1cd714	<a href="http://octopart.com/erj-3ekf2200v-panasonic-12588713">http://octopart.com/erj-3ekf2200v-panasonic-12588713</a>	CMP-1846151-4	PCB-0aqkyzrjuwad3gkmg-g-1
RES SMD 0 OHM JUMPER 1/10W 0603	6	0.10	JP1, JP2, JP3, JP4, JP5, JP6	0 O	Panasonic Electronic Components	ERJ-3GEY0R00V	Digikey	P0.0GCT-ND	fc8b36cf5db234c	<a href="http://octopart.com/erj-3gey0r00v-panasonic-55389238">http://octopart.com/erj-3gey0r00v-panasonic-55389238</a>	CMP-1845929-12	PCB-uvyqzknk8jfqmpcu-9-1
Pin header; pin strips AMPMODU MOD II; male; PIN 3; straight	5		J8, J9, J10, J11, J12	TE Connectivity 825433-3		825433-3			52d299a8d8748d15	<a href="http://octopart.com/825433-3-te-connectivity-40939456">http://octopart.com/825433-3-te-connectivity-40939456</a>	CMP-52d299a8d8748d15-1	PCB-43x6b8d8f5mbq35c-dsh-1
Conn Unshrouded Header HDR 6 POS 2.54mm Solder ST Thru-Hole - No Outline	1		J6	TE Connectivity 825433-6		825433-6			88ed4362af17572a	<a href="http://octopart.com/825433-6-te-connectivity-42271388">http://octopart.com/825433-6-te-connectivity-42271388</a>	CMP-88ed4362af17572a-9	PCB-zxrknp0frdgvb29ud8-aa-1
Conn Unshrouded Header HDR 2 POS 2.54mm Solder ST Thru-Hole Automotive Carton	2		J5, J7	SYM-bda176c93fa6266-1					bda176c93fa6266	<a href="http://octopart.com/bda176c93fa6266-sym-6-1">http://octopart.com/bda176c93fa6266-sym-6-1</a>	CMP-bda176c93fa6266-1	PCB-qymv1r2u52ke8pnd-z-1
Terminal 2 pins	3		J2, J3, J4	Terminal 2 pins		282836-2			369bfdd835db959c	<a href="http://octopart.com/282836-2-murata-18903328">http://octopart.com/282836-2-murata-18903328</a>	CMP-369bfdd835db959c-5c-4	PCB-0dx55ne9ydsu18b-zv-1
Power connector; 65A; PIN 2; Module: yellow	1		J1	XT60 YELLOW		XT60 YELLOW			db0d1124dea204ca	<a href="http://octopart.com/xt60-yellow-pololu-52633801">http://octopart.com/xt60-yellow-pololu-52633801</a>	CMP-db0d1124dea204ca-5	PCB-8901fec14b0kboow1-35-1
Surface Mount Ultrafast Power Rectifier, 2-Pin SMA, Pb-Free, Tape and Reel	12		D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12	CMP-4964450-3		MURA11073G			4838813776a97ff	<a href="https://octopart.com/mura11073g-on+semiconductor-332340">https://octopart.com/mura11073g-on+semiconductor-332340</a>	CMP-4964450-3	ONSC-SMA-2-403D-02_V
MURATA GRM188R61H105KALD CAP. MLCC, XSR, 1uF, 50V, 0603	4		C5, C9, C13, C17	1 uF		GRM188R61H105KALD			b6bd7e9aee2c86977	<a href="https://octopart.com/grm188r61h105kaald-murata-18903328">https://octopart.com/grm188r61h105kaald-murata-18903328</a>	CMP-b6bd7e9aee2c86977-5c-4	CAPC1608X90X35ML1-0T15
Cap Aluminum Lytic 10uF 50V 20% (5 x 5.8mm) SMD 85ma 2000h 105°C Automotive T/R	6		C4, C7, C8, C11, C12, C16	10 uF		EEE-FC1H100UR			fcee37beb73b2329	<a href="http://octopart.com/eee-fc1h100ur-panasonic-25481011">http://octopart.com/eee-fc1h100ur-panasonic-25481011</a>	CMP-fcee37beb73b2329-5	PCB-7wyo10wm17u1128y-ktw-1
Capacitor: Alum Electrolytic; Cap 100 uF, Tol 20%; Vol-Rtg 50 VDC; SMT; 10x10.2; CT	2		C2, C15	100 uF		EEE-FC1H101P			9f425412d5044085	<a href="http://octopart.com/eee-fc1h101p-panasonic-39481120">http://octopart.com/eee-fc1h101p-panasonic-39481120</a>	CMP-9f425412d5044085-85-1	PCB-xr0d3qwnucp6o0tpz-jp-1
0.1uF Surface Mount, MLCC 0603 (1608 Metric) Package Ceramic Capacitors	5		C1, C6, C10, C14, C18	100 nF		96035C104K42A			492d800fc68396ea	<a href="https://octopart.com/96035c104k42a-ava-2665160">https://octopart.com/96035c104k42a-ava-2665160</a>	CMP-126799-5	PCB-jll1vl15liwipnyajm-1
CONN HEADER 6POS DUAL VERT PCB	1		AVR-ISP	FCI 75869-1311F	FCI	75869-1311F			9939526fc2646fe	<a href="https://octopart.com/75869-1311f-fci-39616169">https://octopart.com/75869-1311f-fci-39616169</a>	CMP-649956-8	PCB-h6fbhbmmdzfrjzow-1
LED, SMD, 0603; 4	3		SV, Vmotor, Vou	LED		LTST-C190KRKT			1e52d7505f31c195	<a href="https://octopart.com/ltst-c190krkt">https://octopart.com/ltst-c190krkt</a>	CMP-1544855-6	PCB-gr2y36d8m0qma-









R8



R7

R3



R4



R2



R1