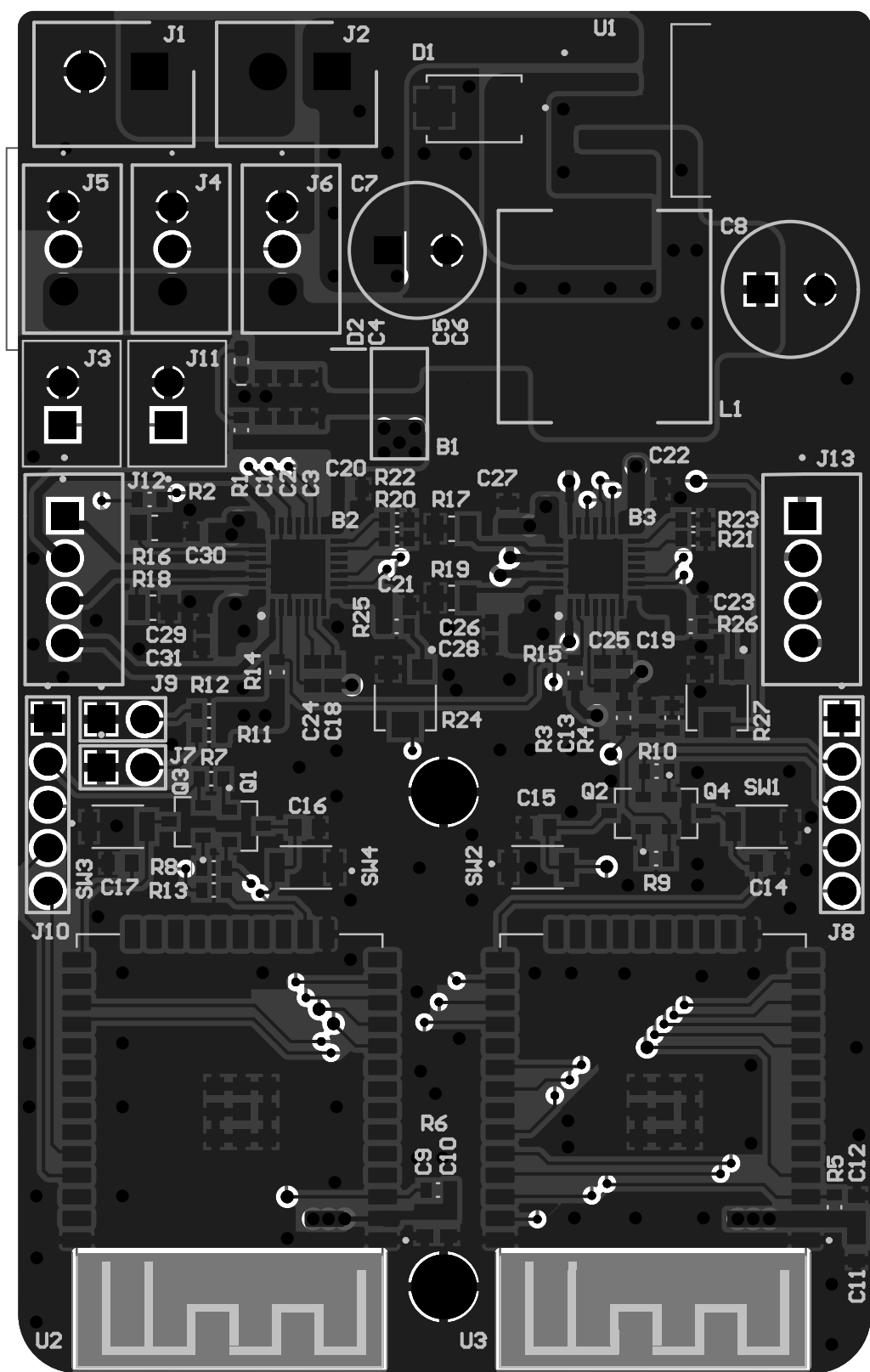
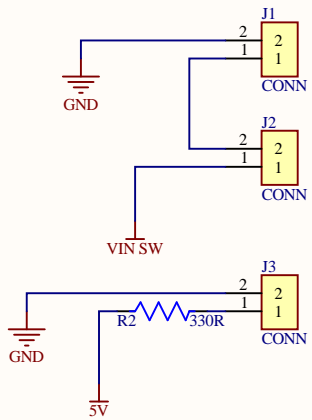
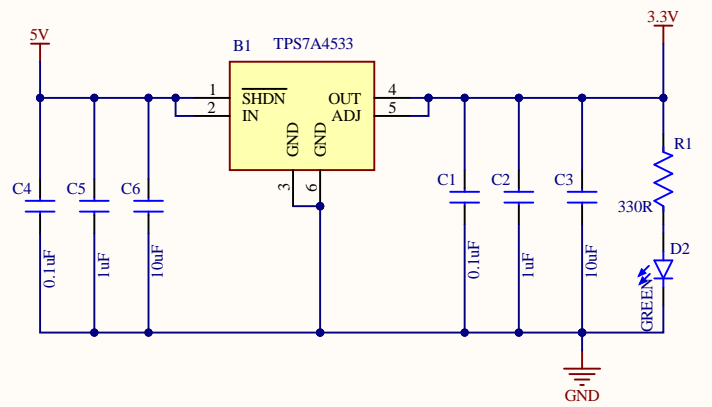
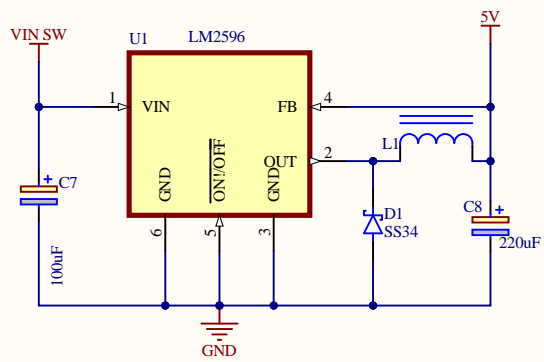


Line #	Name	Description	Designator	Quantity	Manufacturer P#	Manufacturer	JLPCB P#	LCSC P#
	TPS7A4533	IC REG LINEAR 3.3V 1.5A SOT223-6	B1	1	TPS7A4533DCQR	Texas Instruments	C2877942	C2877942
	TMC2208	IC MTR DRV BIPOLAR 5.5-36V 28QFN	B2, B3	2	TMC2208-LA-T	Analog Devices	C115944	C115944
	0.1uF	CAP CER 0.1UF 25V X5R 0603	C1, C4, C10, C12, C13, C15, C16, C18, C19, C20, C22, C26, C27, C29, C30	15	CL10B104KB8NNNC	Samsung Electro-Mechanics	C1591	C1591
	1uF	CAP CER 1UF 25V X5R 0603	C2, C5	2	GCM188R71E105K A64D	Murata Electronics	C85862	C85862
	10uF	CAP CER 10UF 25V X5R 0603	C3, C6, C9, C11, C28, C31	6	CL10A106MA8NRNC	Samsung Electro-Mechanics	C96446	C96446
	100uF	CAP ELEC 100UF 63V D8xL15	C7	1	RXW101M1JBK-0815	Lelon	C134638	C134638
	220uF	CAP ELEC 220UF 50V D8xL12	C8	1	01EC3470	KNSCHA	C2836445	C2836445
	DNP	CAP CER 0.1UF 25V X5R 0603	C14, C17	2	CL10B104KB8NNNC	Samsung Electro-Mechanics	C1591	C1591
	4.7uF	CAP CER 4.7UF 25V X5R 0603	C21, C23	2	CL10A475KA8NQN C	Samsung Electro-Mechanics	C69335	C69335
	22nF	CAP CER 22NF 25V X5R 0603	C24, C25	2	CL10B223KB8NNNC	Samsung Electro-Mechanics	C21122	C21122
	SS34	3A, 40V, Schottky Rectifier	D1	1	SS34	BORN	C266556	C266556
	GREEN	Green 130° 75mW 2V 0603 LED	D2	1	LTST-C191KGKT	Lite-On	C125098	C125098
	CONN	2 Straight Needle 1 3.81mm 1x2P Green Receptacle	J1, J2	2	WJ15EDGVC-3.81-2P	Ningbo Kangnex Elec	C8396	C8396
	CONN	1x2P 2P XH Tin 2 -25°C~+85°C 3A 1 2.5mm Brass Direct Insert PlugIn,P=2.5mm Wire To Board Connector ROHS	J3, J11	2	B2B-XH-A(LF)(SN)	JST	C158012	C158012
	CONN	1x3P 3P XH Tin 3 -25°C~+85°C 3A 1 2.5mm Brass Direct Insert PlugIn,P=2.5mm Wire To Board Connector ROHS	J4, J5, J6	3	B3B-XH-A(LF)(SN)	JST	C144394	C144394
	CONN	Gold 250V 3A Direct Insert Policy 2.54mm 2P 6mm -40°C~+105°C 3mm 2.54mm Brass Black Single Row 2.54mm 1x2P PlugIn,P=2.54mm Pin Headers ROHS 2 pin connector	J7, J9	2	PZ254V-11-02P	XFCN	C492401	C492401
	CONN	Gold 250V 3A Direct Insert Policy 2.54mm 5P 260°C 6mm -40°C~+105°C 3mm 2.54mm Brass Black Single Row 2.54mm 1x5P PlugIn,P=2.54mm Pin Headers ROHS	J8, J10	2	HB-PH3-25415PB2G0P	Hanbo Electronic, JST	C6332198	C6332198
	CONN	1x4P 4P XH Tin 4 -25°C~+85°C 3A 1 2.5mm Brass Direct Insert PlugIn,P=2.5mm Wire To Board Connector ROHS	J12, J13	2	B4B-XH-A(LF)(SN)	JST	C144395	C144395
	47uH	Power Inductors Shielded 47uH 4.6A SMD	L1	1	SMDRI127-470MT	SXN	C9906	C9906
	NPN	25V 300mW 100@100mA,1V 1.5A NPN SOT-23 Bipolar (BJT) ROHS	Q1, Q2, Q3, Q4	4	SS8050	GOODWORK	C909744	C909744
	330R	RES 330 OHM 1% 1/10W 0603	R1, R2, R13	3	RC0603FR-07330RL	YAGEO	C105881	C105881
	10K	RES 10K OHM 1% 1/10W 0603	R3, R5, R6, R7, R8, R9, R10, R11, R12	9	RC0603FR-0710KL	YAGEO	C98220	C98220
	2K	RES 2K OHM 1% 1/10W 0603	R4	1	RC0603FR-072KL	YAGEO	C105576	C105576
	20K	RES 20K OHM 1% 1/10W 0603	R14, R20, R21, R22, R23, R25, R26	7	RC0603FR-0720KL	YAGEO	C105575	[NoParam], C105575
	DNP	RES 20K OHM 1% 1/10W 0603	R15	1	RC0603FR-0720KL	YAGEO	C105575	
	110mR	RES SMD 110mΩ 1% 1/8W 0805	R16, R17, R18, R19	4	RT0805FRD0711RL	YAGEO	C5126077	C136908
	20K	RES POT 20K OHM 1% 3.8x3.6mm	R24	1	TC33X-2-203E	BOURNS	C720648	C720648
	20K	RES POT 20K OHM 1% 3.8x3.6mm	R27	1	TC33X-2-203E	BOURNS	C720648	C720648
	B3U-1000P	SWITCH TACTILE SPST-NO 0.05A 12V	SW1, SW2, SW3, SW4	4	B3U-1000P	Omron	C231329	C231329
	LM2596	Buck Switching Regulator IC Positive Fixed 5V 1 Output 3A TO-263-6, D2PAK (5 Leads + Tab), TO-263BA	U1	1	LM2596SX-5.0/NOPB	Texas Instruments	C10002	C10002
	ESP32	RF TXRX MOD BLUETOOTH WIFI SMD	U2, U3	2	ESP32-WROOM-32-N4\	Espressif Systems	C82899	C82899





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