

	Designators	Value	Package	MPN
4	C1, C2, C3, C4	LLS2E221MELZ 220µF/250V	Elko 22/10mm	LLS2E221MELZ
2	C5, C21	10nF	C-0603	C0603C103K1RACTU
2	C6, C30	2.2µF 25V	C-0805	1500805B225K250N3
5	C7, C8, C9, C17, C18	220nF	C-0603	
2	C10, C11	MKS4F044706B00KSSD 4.7µF/250V	Capacitor 11x21x31.5 PCM 27.5 Red	MKS4F044706B00KSSD
1	C12	2.2nF	C-0603	
2	C13, C22	1µF	C-0603	
5	C14, C19, C23, C28, C33	100nF	C-0603	
1	C15	2.2µF 100V	C-1210	CL32B225KCJSNNE
1	C16	56pF	C-0603	
1	C20	10µF	C-0805	CL21B106KPQNNNE
2	C24, C25	47nF 250V	C-1812	C1812C473KBRAC7800
1	C26	22µF 25V	C-1210	CL32B226KAJNFNE
1	C27	3.3nF	C-0603	C0603C332K1RACTU
1	D1	MBR40250G	TO220-2	MBR40250G
1	D2	5KP150A-E3/54 150V	P600	5KP150A-E3/54
1	D3	5KP60A-E3/54 35V	P600	5KP60A-E3/54
1	D4	BAS21	SOT23-3	BAS21
1	D5	BAT64-04	SOT23-3	BAT64-04
2	F1, F2	4AT	Fuse Holder 5mm	31.8201
1	J1	Generator	PTR STLZ950/3G-5.08-H-GREEN	STLZ950/3
1	J2	Battery	PTR STLZ950/2G-5.08-H-GREEN	STLZ950/2
1	J3	SWD	Pin Header 2.54mm 2x10 90° ø1.0mm	
1	J5	N8	Pin Header 2.54mm 1x01 ø1.0mm	
1	J6	PWM	Pin Header 2.54mm 1x01 ø1.0mm	
1	J7	VDC	Pin Header 2.54mm 1x01 ø1.0mm	
1	J8	VGEN	Pin Header 2.54mm 1x01 ø1.0mm	
1	J9	VBAT	Pin Header 2.54mm 1x01 ø1.0mm	
1	J10	12V	Pin Header 2.54mm 1x01 ø1.0mm	
1	J11	3V3	Pin Header 2.54mm 1x01 ø1.0mm	
1	J12	GND	Pin Header 2.54mm 1x01 ø1.0mm	
1	J13	GATE	Pin Header 2.54mm 1x01 ø1.0mm	
1	L1	1mH Würth 7447075	Würth 7447075	7447075
1	L2		RESC1608 (0603)	
1	L3	68µH	Eaton DR127	DR127-680-R
1	LED1	LED 3mm Green	LED 3mm	
1	LED2	LED 3mm Yellow	LED 3mm	
1	LED3	LED 3mm Blue	LED 3mm	
2	Q1, Q2	IXFP26N30X3	TO220AB	IXFP26N30X3
2	Q3, Q4	SSM3J338R.LF	SOT23-3	SSM3J338R.LF
1	R1	4.7kΩ	RESC1608 (0603)	
1	R2	56Ω	RESC1608 (0603)	
3	R3, R4, R6	100kΩ 0.1%	RESC3216 (1206)	TNPW1206100KBEEA
1	R5	10kΩ 0.1%	RESC1608 (0603)	RNCF0603BTE10K0
1	R7	2.2kΩ 0.1%	RESC1608 (0603)	ERA-3AEB222V
1	R8	0.1Ω 5W	Isabellenhütte SMT 2817	SMT-R100-1.0
1	R9	10kΩ	RESC1608 (0603)	RNCF0603BTE10K0
3	R10, R11, R15	680Ω	RESC1608 (0603)	
2	R12, R17	453kΩ	RESC1608 (0603)	MCR03ERTF4533
1	R13	49.9kΩ	RESC1608 (0603)	
3	R14, R16, R21	100kΩ	RESC1608 (0603)	
1	R18	20kΩ	PT10LV	PT10LV10-223A2020-PM-S
1	R19	27Ω	RESC1608 (0603)	
1	R20	100kΩ	PT10LV	
1	R22	100kΩ	RESC3216 (1206)	TNPW1206100KBEEA
2	S1, S2	3-1825910-1	TE FSMCDA	3-1825910-1
1	U1	AP7370-33W5-7	SOT95P280X145-5	AP7370-33W5-7
1	U2	LTC4359IS#PBF8	SOIC127P600X175-8	LTC4359IS#PBF8
1	U4	IRS25752LTRPBF	SOT95P280X145-6	IRS25752LTRPBF
1	U5	LM5164DDAT	SOIC127P600X175-8 2.4x3.1 PAD	LM5164DDAT
1	U6	STM32L071KZT6	LQFP80P900X900X140-32	STM32L071KZT6