

Refs	Value	Quantity	SKU	Sinuss	Digikey	Price Sinuss	Price Digikey
C1, C2, C3, C4, C5, C8, C9, C16, C17, C42	100nF, 25V	10	MC0603B104K250CT	1759037	not listed alternatives	1.5€	
C6, C7, C10, C11, C12, C13, C14	2.2uF	7	GRM188R61E225KA12D	1845734	490-10731-2-ND	1.1€	0.91€
C15	22uF	1	GRM21BR61E226ME44L	1907510	490-10749-2-ND	0.36€	0.34€
C18, C19, C20, C21	0.15uF	4	C2225X154KDRACTU	2676668	399-C2225X154KDRAC7800TR-ND	15.52€	11.44€
C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41	0.1uF	20	C2225C104KFRACTU	2676659	399-C2225C104KFRAC7800TR-ND 399-18116-2-ND	104.39€	43.46€
D1, D2, D3, D4, D6, D9	1A 800V	6	US1K-E3/61T	2335178	US1K-E3/61TGITR-ND	3.54€	2.04€
D5	40V 1A	1	MBRM140T3	1459068	MBRM140T3OSTR-ND (unavailable) 150-UPS5819E3/TR7TR-ND (alternative)	0.89€	0.41€

D7	red, 20mA, 2V, 0603	1	KPT-1608EC	2099221	not listed alternatives	0.29€	
D8	green, 20mA, 2.1V, 0603	1	KPT-1608CGCK	2099220	not listed alternatives (get same supplier as red above)	0.32€	
J1	USB micro	1	629105150521	2470822	732-5960-2-ND	3.36€	2.01€
J2, J3, J6	Coax	3	SMA-J-P-H-ST-EM3	2856819 (sold out)	SAM9950-ND	40.65€	16.77€
L1	Ferrite bead	1	BLM18PG600SN1D	1515746	490-1036-2-ND	0.14€	0.09€
L2	Inductor 10uH	1	LQH43CN100K03L	1515459	490-2519-2-ND	0.78€	0.35€
Q1	Power N Mosfet	1	STT6N3LLH6	3130139	497-13591-2-ND	1.41€	0.67€
Q2	IGBT	1	IKW40N120H3FKSA1	1832351	IKW40N120H3FKSA1-ND	8.46€	7.85€
R1, R3, R4, R7	10k	4	CRGH0603J10K	2331740	A126394TR-ND	0.02€	0.09€
R2, R11	10m, 50v, 100mW, +-1%, 0603	2	MCWR06W1005FTL	2447232	not listed alternatives	0.06€	
R5	22k1, 75v, 100mW, 0603	1	MCWR06X2212FTL	2694776	not listed alternatives	0.03€	
R6	2k, 50v, 100mW, 0603	1	MCWR06X2001FTL	2447319	not listed alternatives	0.01€	
R8, R10	64r9	2	CRCW060364R9FKEA	2141257	541-64.9HTR-ND	0.20€	0.18€
R9	4r99	1	CRCW06034R99FKEA	2616753	541-4.99HHTR-ND	0.09€	0.09€

U1	STM32	1	STM32F205RET6	2060897	497-11155-ND	19.14€	10.79€
U2	FTDI	1	FT232RL	unlisted (also on Farnell)	768-1007-2-ND		4.38€
U3	1A, 40v	1	MBRM140T3G	1459068 (sold out)	MBRM140T3GOSTR-ND (sold out) NRVBM140T1GOSTR-ND (alternative)	0.89€	0.46€
U4, U5	3.3v regulator	2	LD1117S33TR	1202826 (sold out)	497-1242-2-ND	2.06€	1.14€
U6	Mosfet driver	1	MCP1407-E/SN	1332080	MCP1407-E/SN-ND	2.41€	1.25€
U7	Transformer	1	SCS-200L	2526945 (sold out)	not listed	5.09€	
U8	or gate	1	74LVC1G32GW,125	1631689	1727-3102-2-ND	0.76€	0.33€