

Note	ID	Designator	Package	Qty	Description	Tech	Manufacturer	Part Number	Octopart	key Num	Main Supplier	€ Subtotal	Comment	TF
✓	1	R41	0805	1	RES_0 SMT	T	Stackpole Elec	RMCF0805ZT0R00	19214632	RMCF0805ZT0R00/1756901		0.09 €	Optional-DNP, avoid	0
✓	2	R2,R3,R4	0805	3	RES_220 SMT	T	Yageo Corpora	RC0805FR-07220RL	40953254	311-220C0805FR-07220RL/727741		0.33 €		1
✓	3	R1	0805	1	RES_330 SMT	T	Samsung Elec	RC2012F331CS	22086614	1276-524/RC2012F331CS/3965553		0.11 €		2
✓	4	R13,R40	0805	2	RES_1K SMT	T	Yageo Corpora	RC0805FR-071KL	40025555	311-1.00 RC0805FR-071KL/727444		0.18 €		3
✓	5	R7,R8	0805	2	RES_2K4 SMT	T	Yageo Corpora	RC0805JR-072K4L	1368345	311-2.4K C0805JR-072K4L/728274		0.18 €		4
✓	6	R9,R11,R12	0805	6	RES_10K SMT	T	Yageo Corpora	SR0805JR-0710KL	21711245	SR0805JR-0710KL/2827782		0.66 €		5
✓	7	R5,R6	0805	2	RES_47K SMT	T	Yageo Corpora	RC0805FR-0747KL	41205014	311-47.0 C0805FR-0747KL/727973		0.18 €		6
✓	8	R10	0805	1	RES_1M SMT	T	Stackpole Elec	RMCF0805FG1M00	19213683	RMCF0805FG1M00/1712780		0.09 €		7
✓	9	FB1	0805	1	BEAD_120 SMT	T	Murata Manufa	BLM21BB121SN1D	368344	490-1042LM21BB121SN1D/584252		0.14 €	Consider alternativ	8
✓	10	FB2	0805	1	BEAD_470 SMT	T	Bourns, Inc.	MH2029-471Y	1728639	MH2029-471Y-ND/2563327		0.14 €		9
	11	C100	0603	1	CAP_0,3pF SMT	T	KEMET Corpora	CBR06C308B5GAC	23801599	399-1753399-17534-1-ND/8572534		0.12 €		10
	12	C99	0805	1	CAP_1pF SMT	T	Yageo Corpora	CC0805CRNPO9BN1	9292448	311-10890/311-1089-6-ND/579019		0.80 €		11
✓	13	C30	0805	1	CAP_2,7pF SMT	T	Yageo Corpora	CC0805CRNPO9BN2	12817664	311-4143CRNPO9BN2R7/8025232		0.09 €		12
✓	14	C25,C27,C30	0805	3	CAP_3,3pF SMT	T	Yageo Corpora	CC0805CRNPO9BN3	9291759	311-4144CRNPO9BN3R3/5883897		0.30 €		13
✓	15	C28,C39,C10	0805	3	CAP_3,9pF SMT	T	Yageo Corpora	CC0805BRNPO9BN3	11543613	311-4131BRNPO9BN3R9/5883878		0.28 €		14
✓	16	C4	0805	1	CAP_4,7pF SMT	T	Yageo Corpora	CC0805CRNPO0BN4	30931024	311-4136CRNPO0BN4R7/5883889		0.12 €		15
✓	17	C26,C37	0805	2	CAP_5,6pF SMT	T	Yageo Corpora	CC0805DRNPO9BN5	12808595	311-4154DRNPO9BN5R6/5883914		0.20 €		16
✓	18	C38	0805	1	CAP_8,2pF SMT	T	Yageo Corpora	CC0805CRNPO9BN8	24535364	311-4152CRNPO9BN8R2/5883906		0.10 €		17
✓	19	C00,C00	0805	2	CAP_12pF SMT	T	Yageo Corpora	CC0805JRNPO9BN12	9291828	311-110005JRNPO9BN120/302834		0.18 €	Placeholder for load	18
✓	20	C94,C95	0805	2	CAP_15pF SMT	T	Yageo Corpora	CC0805JRNPO9BN15	9288181	311-110105JRNPO9BN150/302835		0.18 €		19
✓	21	C18,C19,C20	0805	3	CAP_18pF SMT	T	Yageo Corpora	CC0805JRNPO9BN18	9289212	311-110205JRNPO9BN180/302836		0.27 €		20
✓	22	C35	0805	1	CAP_22pF SMT	T	Yageo Corpora	CC0805JRNPO9BN22	42334528	311-110305JRNPO9BN220/302837		0.09 €		21
✓	23	C14	0805	1	CAP_33pF SMT	T	Yageo Corpora	CC0805JRNPO9BN33	42334546	311-110505JRNPO9BN330/302839		0.09 €		22
✓	24	C29	0805	1	CAP_47pF SMT	T	Yageo Corpora	CC0805JRNPO9BN47	42334530	311-110705JRNPO9BN470/302841		0.10 €		23
✓	25	C22,C97,C90	0805	3	CAP_1nF SMT	T	Yageo Corpora	CC0805KRX7R9BB1C	39467744	311-112705KRX7R9BB102/302861		0.27 €		24
✓	26	C8,C31,C40	0805	3	CAP_4,7nF SMT	T	Yageo Corpora	AS0805KRX7R9BB47	91316502	1276-1255KRX7R9BB473/8605468		0.27 €		25
✓	27	C1,C2,C3,C0	0805	14	CAP_0,1uF SMT	T	KEMET Corpora	C0805C104M5UAC72	3920307	399-7368104M5UAC7210/3317010		1.25 €		26
✓	28	C21	0805	1	CAP_1uF SMT	T	Samsung Elec	CL21B105KOFNNNG	19995689	1276-647.B105KOFNNNG/3894469		0.09 €		27
✓	29	C6	0805	1	CAP_4,7uF SMT	T	Samsung Elec	CL21A475KAQNNNE	19832220	1276-124.A475KAQNNNE/3886902		0.09 €		28
✓	30	C9	0805	1	CAP_10uF SMT	T	Samsung Elec	CL21A106KPFNNNG	21703273	1276-645.A106KPFNNNG/3894419		0.10 €		29
✓	31	C5,C7	0805	2	CAP_22uF SMT	T	Samsung Elec	CL21A226MQQNNNE	12113052	1276-110A226MQQNNNE/3886758		0.26 €		30
✓	32	L4	0805	1	IND_2,2nH SMT	T	Würth Elektro	744760022A	22862894	732-744760022A/10668649		0.35 €		31
✓	33	L2,L3,L6,L8	0805	5	IND_10nH SMT	T	Würth Elektro	744760110A	65277797	732-744760110A/10668636		1.20 €		32
✓	34	L10	0603	1	IND_11nH SMT	T	Murata Manufa	LQW18AN11NJ00D	1024102	490-6860W18AN11NJ00D/2594977		0.13 €		33
	35	L22	0805	1	IND_12nH SMT	T	Murata Manufa	LQW2BAS12NJ00L	19973687	490-5649./490-5649-1-ND/2625470		0.20 €		34
	36	L23	0805	1	IND_18nH SMT	T	Delta Electroni	0805CT-180EGTS	100091324	2035-113035-1132-1-ND/10124551		0.20 €		35
✓	37	L5,L7	0805	2	IND_33nH SMT	T	Würth Elektro	74476013C	11914176	732-1783onik/74476013C/1994195		0.64 €		36

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✓	38	L1	1212	1	UCT_10uH SMT	DN		Murata Manufa	LQH3NPN100MJRL	46921399	490-9581-I3NPN100MJRL/4864843		0.35 €		
✓	39	D1	0805	1	LED_RED SMT	T		Lite-On, Inc.	LTST-C171CKT	549883	160-1421c/LTST-C171CKT/386789		0.30 €		37
✓	40	D2	0805	1	YELLOW SMT	T		Lite-On, Inc.	LTST-C171YKT	549891	160-1431c/LTST-C171YKT/386807		0.28 €		38
✓	41	D3	0805	1	D_GREEN SMT	T		Lite-On, Inc.	LTST-C171GKT	549885	160-1423c/LTST-C171GKT/386793		0.20 €		39
✓	42	U2	WSON-1	1	OLT_REG SMT	T		Texas Instrum	TPS73533DRVT	12194256	296-3948TPS73533DRVR/2232906		1.21 €	R/T model numbers j	40
✓	43	U3	TFBGA-	1	CU_Radio SMT	T		Microchip Tech	ATSAMR34J18BT-I/7	96766640	ATSAMR34J18BT-I-7JX/9739164		4.89 €		47
✓	44	U4	QFN-12	1	SW_Radio SMT	T		Skyworks Solu	SKY13373-460LF	21641196	863-1768&KY13373-460LF/5015832		1.00 €		41
✓	45	U5	SOT-36	1	VS_DIODE SMT	T		ON Semicondu	NUP2202W1T2G	1390500	NUP2202W1T2G/1485002		0.49 €		42
✓	46	U6	DFN-8	1	EEPROM SMT	T		ON Semicondu	CAT24C32HU4I-GT3	19977039	CAT24C32C32HU4I-GT3/2626505		0.32 €		43
-	47	U7	SOIC-8	1	EEPROM SMT	DN		ON Semicondu	CAT24C32WI-G	10567687	CAT24C32CAT24C32WI-G/2061011		0.36 €		
-	48	U8	DFN-8	1	SE_SMT SMT	T		Atmel Corpora	ATECC608B-TNGLOF	112141540	150-ATE I/ATECC608B-TNGLORA/		0.92 €		44
-	49	U9	SOIC-8	1	SE_SMT SMT	DN		Atmel Corpora	ATECC608B-TNGLOF	112141537	150-ATE I/ATECC608B-TNGLORA/		0.92 €		
	50	Y1	2.5x2m	1	al_NX2520 SMT	T		NDK, Inc.	NX2520SA-32.00000	315634	644-1065Z/644-1065-2-ND/1128847		0.90 €	Consider alternativ	45
✓	51	Y2	1.6x1.0	1	tal_ABS05 SMT	T		Abracon LLC.	ABS05-32.768KHZ-9-	24147054	535-1189-32-768KHZ-9-T/3508064		1.00 €		46
-	52	XC1	2.5x2	1	tor_32MHz SMT	DN		Taitien Electr	TYETBCSANF-32.00C	75080697	1664-130SANF-32-000000/6127657		2.26 €	XC1 is an alternative to Y	
✓	53	SW1,SW2	4.2x3.2	2	SW_SPST SMT	T		C&K Compone	PTS810SJK250SMTR	29380278	CKN1050-250-SMTR-LFS/4176611		0.54 €		
	54	AE2	U.FL_3	1	tenna_UFL SMT	T		Hirose Electric	U.FL-R-SMT-1(10)	42409530	H11891CI-FL-R-SMT-1-10/2391570		1.04 €		
✓	55	AE4	SMA	1	enna_SMA THT	T		Samtec, Inc.	SMA-J-P-H-ST-EM1	10530474	SAM8857A-J-P-H-ST-EM1/2602450		3.54 €		
	56	AE5	Chip	1	enna_Chip SMT	T		Johanson Tech	0868AT43A0020E	12613845	1885493amik-868mhz/dp/1885493/		0.50 €	Consider the alternate pa	
✓	57	BT1	1x2032	1	attery_Cell SMT	T		Keystone Elect	3002	71474	36-3002-e-electronics/3002/227444		0.44 €		
	58	TP1,TP2,TP3	18x5	4	t_Compact THT	T		Keystone Elect	5005	19410	36-5005-e-electronics/5005/255329		0.34 €		
✓	59	J2	USBC_I	1	USBC_2.0 SMT	T		Korean Hropar	TYPE-C-31-M-16	-Hroparts-Elec	TYPE-C-31-M-16_C283541.html		0.50 €		
✓	60	J3	2x20_P	1	IHAT-40W THT	T		Sullins Connec	SFH11-PBPC-D20-ST	12650846	S9200-NIBPC-D20-ST-BK/1990093		1.65 €	Replace with a Preci-Dip	
✓	61	J5	1x06_P	1	onn_01x06 THT	T		Samtec, Inc.	TSW-106-08-F-S-RA	9515723	SAM1034-106-08-F-S-RA/6679081		0.52 €	Replace with a Preci-Dip	
-	62	J7	1x02_P	1	N_Jumper THT	T		Samtec, Inc.	TSW-102-08-F-S-RA	11581223	SAM1032-102-08-F-S-RA/6691591		0.20 €	Replace with a Preci-Dip	
-	63	J6	2x4_P2	1	pin_02x04 SMT	DN		Mill-Max Manu	814-22-008-30-00310	19237426	ED8168-0-008-30-003101/1146242		12.00 €	Replace with a Preci-Dip	
	64	J20	2x05_P	1	onn_02x05 THT	T		Samtec, Inc.	FTSH-105-01-L-D-K	9236839	SAM8798-K/SAM8798-ND/2649979		2.20 €	Alternate Amphenol 2002	
64 Unique parts		110 Total quantity		48.94 € Total net cost											