

#	Farnell / Element14								Digi-Key			Mouser			Code
	Qty	Part name	Package	Reference designator	Code	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	
1	2	MKP-X2-220NR15/310	THT, PP X2, 18 x 12 x 6 mm, RM 15	C1, C2	2446244	R463I322050L2K	0,337	1	399-12681-ND	0,600	1	80-R463I322050L2K	0,600	1	875-2257
	5	1u	0805, X7R	C11, C29, C43, C45, C70											
	1	1n/1kV	1210, X7R	C12	2812601	885342209006	0,580	5	732-12116-1-ND	0,380	1	710-885342209006	0,357	1	500-2499
	1	UCY2G6R8MPD	THT, Ø10.5mm, RM 5	C13	1831309	400BXC6R8MEFC 10X16	0,868	1	493-13319-1-ND	0,730	1	647-UCY2G6R8MPD	0,629	1	739-4551
	2	4u7	1206, X7R	C15, C25	1907356	C3216X7R1E475K 160AC	0,240	5	1276-2970-1-ND	0,199	10	963-EMK316B7475M L-T	0,129	10	691-1221
	15	100n	0603, X7R	C17, C20, C22, C30, C34, C35, C37, C39, C40, C44, C48, C60, C62, C64, C65	2522597	C0603C104K4RAC 7081	0,011	10	490-4774-1-ND	0,029	100	80-C0603C104M4R	0,007	100	393-6952
	2	4u7	1206, Tant.	C23, C69	2462768	T491A475M010AT	0,273	5	399-3698-1-ND	0,260	10	80-T491A475M010A T	0,185	10	538-2341
	1	470u	THT, Ø10.5mm, RM 5	C24											
	2	33n	0805, X7R	C26, C68	1414688	C0805C333K5RAC TU	0,051	10	1276-1796-1-ND	0,068	10	77-VJ0805Y333JXA PBC	0,020	50	652-0982
	3	100p	0805, C0G	C27, C66, C67	2896466	VJ0805A101JXAC W1BC	0,041	10	399-1121-1-ND	0,061	10	80-C0805C101J5G	0,022	10	461-3997
	1	2n2	0805, X7R	C28	2896572	VJ0805Y222KXAC W1BC	0,028	10	720-1604-1-ND	0,063	10	77-VJ0805Y222KXB AC	0,032	50	264-4359
	4	3n3	0805, X7R	C3, C9, C18, C21											
	2	UCY2G121MHD	THT, Ø18mm, RM 7.5	C31, C32	1547017	400KXW120MEFC 18X30	2,890	1	493-5466-ND	3,120	1	647-UCY2G121MHD	3,180	1	851-4116
	2	10n	0603	C33, C38											
	3	100n/500V	1812, X7R	C36, C46, C47											
	3	CY1Y-470P	THT, Ceramic Y1, RM 10	C4, C5, C19	2860164	VY1471K31Y5UQ6 TV0	0,220	1	BC2372-ND	0,206	10	72-VY1471M31Y5U Q63V0	0,186	10	736-8858
	1	2n2/1kV	1210, X7R	C41	1855965	MC1210B222K102 CT	0,364	5	399-7228-1-ND	0,910	1	843-1210J1K00222KJ T	0,315	1	773-8121
	1	10n	0805, X7R	C42	3019937	CC0805KRX7R9B B103	0,023	10	1276-1015-1-ND	0,036	10	77-VJ0805Y103KXA AC	0,059	50	264-4371
	1	220p	0805, C0G	C49	2773233	C0805C221K5GAC TU	0,037	10	399-8038-1-ND	0,079	10	80-C0805C221J5G	0,031	10	723-6247
	1	470p	0805, C0G	C50	2497036	0805N471J101CT	0,045		732-7837-1-ND	0,057	10	77-VJ0805A471KXA AC	0,047	10	264-4315
	3	UPW1J152MHD	THT, Ø18mm, RM 7.5	C52, C53, C54	2479585	UPW1J152MHD1T N	1,300	1	493-1959-ND	1,710	1	647-UPW1J152MHD	1,700	1	715-2981
	2	1u/100V	1206, X7R	C55, C58	2491179	C1206C105K1RAC TU	0,374	5	1276-3094-1-ND	0,240	10	963-HMK316B7105M LHT	0,306	10	916-2977
	2	HHXC630ARA330MHA0 G	Ø8 x 10 mm	C56, C57	-				565-4788-1-ND	0,890	1	HHXC630ARA33 0MHA0G	0,770	1	-
	2	4n7/200V	1206, X7R	C59, C63	1855870	MC1206B472K201 CT	0,149	5	478-10870-1-ND	0,283	10	581-12062C472JAT2 A	0,247	10	669-8644

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1	2	MKP-X2-220NR15/310	R463I322050M2 K	0,372	25	MKP-X2-220NR15/310	0,116	10	2		TME	0,116 €	2	0,231
	5	1u							5		Farnell	0,000 €	5	0,000
	1	1n/1kV	C1210C102JDG ACTU	0,880	5	1210B102K102CT	0,343	10		1	TME	0,343 €	1	0,343
	1	UCY2G6R8MPD	UCA2G6R8MPD	1,008	1	UCY2G6R8MPD	0,240	5	1		TME	0,240 €	1	0,240
	2	4u7	C1206C475K3R ACTU	0,232	25	GCM31CR71E475KA5 5L	0,381	10		2	Mouser	0,129 €	2	0,258
	15	100n	VJ0603Y104KXJ AT	0,069	25	CL10B104KA8NNNC	0,098	100		15	Mouser	0,007 €	15	0,105
	2	4u7	T491A475K016A T	0,185	10	T491A475M010AT	0,137	5		2	TME	0,137 €	2	0,274
	1	470u							1		Farnell	0,000 €	1	0,000
	2	33n	VJ0805Y333KX AAT	0,066	25	CL21B333KBANNNC	0,035	100		2	Mouser	0,020 €	2	0,040
	3	100p	CC0805JRNPO9 BN101	0,017	25	VJ0805A101JXACW1 BC	0,024	100		3	RS	0,017 €	3	0,051
	1	2n2	C0805C222K5R ACTU	0,031	25	VJ0805Y222KXACW1 BC	0,020	100		1	TME	0,020 €	1	0,020
	4	3n3								4	Farnell	0,000 €	4	0,000
	2	UCY2G121MHD	UCP2G121MHD	3,840	1	UCY2G121MHD	1,388	1	2		TME	1,388 €	2	2,776
	2	10n								2	Farnell	0,000 €	2	0,000
	3	100n/500V								3	Farnell	0,000 €	3	0,000
	3	CY1Y-470P	VY1471K31Y5U Q6TV0	0,100	10	CY1Y-470P	0,099	10	3		TME	0,099 €	3	0,298
	1	2n2/1kV	1210Y1K00222K XT	0,564	5	1206B222K102CT	0,114	50		1	TME	0,114 €	1	0,114
	1	10n	C0805C103K5R ACTU	0,029	25	CL21B103KBANNNC	0,025	100		1	Farnell	0,023 €	1	0,023
	1	220p	GRM2165C1H2 21JA01D	0,067	100	CL21C221JBANNNC	0,028	100		1	TME	0,028 €	1	0,028
	1	470p	C0805C471J5G ACTU	0,063	25	VJ0805A471JXACW1 BC	0,033	100		1	TME	0,033 €	1	0,033
	3	UPW1J152MHD	UPW1J152MHD	2,215	2	UPW1J152MHD	1,652	1	3		Farnell	1,300 €	3	3,900
	2	1u/100V	C3216X7R2A10 5K160AM	0,290	20	CL31B105KCHSNNE	0,211	10		2	TME	0,211 €	2	0,422
	2	HHXC630ARA330MHA0 G				-				2	Mouser	0,770 €	2	1,540
	2	4n7/200V	223893115632	0,048	25	1206B472K501CT	0,105	100		2	RS	0,048 €	2	0,096

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1	10u		1210, X7R	C61	2494299	GRM32DR71C106 KA01L	0,508	1	1276-1150-1-ND	0,246	10	963- EMK325B7106M NHTR	0,213	10	103-4184
3	EEEEFK1V470P		Ø6.3 x 5.8 mm	C7, C10, C14	9695850	EEEEFK1V470P	0,344	1	PCE3842CT-ND	0,312	10	667-EEE- FK1V470P	0,238	10	537-0657
2	470n		0805, X7R	C8, C16	2896591	VJ0805Y474KXQT W1BC	0,094	5	1276-2966-1-ND	0,151	10	603- CC0805JK7R9B B474	0,049	10	174-4499
4	SS110B		SMB	D1, D2, D5, D8	1861422	SS110B	0,097	5	SS110-TPCT-ND	0,350	1	833-SS110FL-TP	0,323	1	743-5992
3	BAS316		SOD-323R	D10, D11, D12	8734275	BAS316,115	0,193	5	1727-7370-1-ND	0,120	1	771-BAS316-T/R	0,179	1	397-2914
3	C3D02065E		TO-252 (DPAK)	D13, D18, D19	-				C3D02065E-ND	0,860	1	941-C3D02065E	0,859	1	915-8846
1	C3D03060A		THT, TO-220	D15	-				C3D03060A-ND	1,250	1	941-C3D03060A	1,240	1	702-7447
9	1N5819HW-7-F		SOD323-W	D3, D6, D7, D9, D16, D20, D21, D22, D23	2306459	1N5819HW-7-F	0,183	10	1N5819HW- FDICT-ND	0,310	10	621-1N5819HW- F	0,281	10	708-2197
1	US1K-DIO		DO-214AA	D4	2306342	US1K-13-F	0,146	1	US1K-FDICT-ND	0,340	1	621-US1K-F	0,366	1	751-5130
1	MC79L05		SOIC8	IC1	1211125	MC79L05ACDG	0,294	5	MC79L05ACDG OS-ND	0,340	1	595- MC79L05ACDG4	0,306	1	688-9310
1	LP2951		SOIC8	IC2	2845124	LP2951CD-3.3R2G	0,402	1	LP2951CDR2GO SCT-ND	0,440	1	595-LP2951- 50DR	0,417	1	773-7699
1	VIPer35L		VIPER35	IC3	2612169	VIPER35LD	1,130	1	497-16075-5-ND	1,040	1	511-VIPER35LD	1,040	1	124-1146
1	SI8233BB-D-IS1		SI8233	IC4	2423138	SI8233BB-D-IS1	2,460	1	336-3066-ND	2,050	1	634-SI8233BB-D- IS1	2,410		-
1	LM5041B		LM5041	IC5	-				LM5041BMTC/N OPB-ND	3,110	1	926- LM5041BMTC/N OPB	3,090	1	-
1	IR11688STRPBF		SOIC8	IC6	2780950	IR11688STRPBF	1,520	1	IR11688STRPBF CT-ND	1,680	1	942- IR11688STRPBF	1,550	1	-
1	TL072		SOIC8	IC7	2342304	TL072CPSR	0,496	1	TL072SG- 13DICT-ND	0,350	1	621-TL072SG-13	0,340	1	661-0066
1	TL103W		SOIC8	IC8	1755223	TL103WID	0,665	1	296-18862-1-ND	0,610	1	595-TL103WID	0,706	1	809-5334
2	0R		0805	JP3, R67	9233750	RC0805JR-070RL	0,012	10	RC2012J000CS	0,090	1	RC0805JR- 070RL	0,011	10	679-0800
1	RN214-2.5-02-3M3		THT, Common Mode Choke	L1	-				817-2186-ND	1,550	1	631-RN214-2.5- 02-3M3	1,460	1	133-6257
3	DLG-0403-180		0403 inductor	L2, L3, L4	SDR0403- 180ML	SDR0403-180M	0,404	5	SDR0403- 180MLCT-ND	0,424	10	652-SDR0403- 180ML	0,272	10	798-0938
2	60B684C		Murata power inductor 6000B	L5, L6	2290311	60B684C	5,140	1	811-2466-ND	2,540	1	580-60B684C	2,520	1	749-6427
1	IHLP2020CZER3R3M11		Vishay power inductor	L7	1741325	IHLP2020CZER3R 3M11	1,940	5	541-1237-1-ND	2,040	1	70- IHLP2020CZER3 R3M1	2,140	1	-
1	LTST-C170YKT		0805	LED1	2062217	SML-LX0805YC- TR	0,208	5	160-1175-1-ND	0,320	1	859-LTST- C170YKT	0,281	1	692-0925
2	TLP291-GB.SE-T		SOIC4	OK1, OK2	2524307	TLP291(GB,SE	0,196	1	-			-			144-5264
1	BCP56-16.115		SOT-223	Q1	1081258	BCP56-16,115	0,138	5	BCP56-16T1G	0,430	1	771-BCP56-16- T/R	0,349	1	773-7633
4	C3M0280090D		THT, TO-247	Q2, Q3, Q4, Q5	2630827	C3M0280090D	3,710	1	C3M0280090D- ND	3,110	1	941- C3M0280090D	2,950	1	915-8842
2	IRFS4321PBF		TO-263 (D2PAK)	Q7, Q8	1436980	IRFS4321PBF	2,740	1	IRFS4321PBF- ND	3,070	1	942- IRFS4321PBF	2,520	1	495-877

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1	10u		EMK325B7106K N-T	0,188	20	CL32B106KBJNNNE	0,201	10		1	RS	0,188 €	1	0,188
3		EEEFK1V470P	EEEFK1V470P	0,394	5	EEEFK1V470P	0,130	5		3	TME	0,130 €	3	0,390
2	470n		C0805X474K5R ECAUTO	0,091	100	CL21B474KBFNNNE	0,027	100		2	TME	0,027 €	2	0,053
4	SS110B		SS110 R3	0,154	25	SS110-JGD	0,053	5		4	TME	0,053 €	4	0,213
3	BAS316		BAS316,115	0,122	50	BAS316,115	0,026	25		3	TME	0,026 €	3	0,079
3	C3D02065E		C3D02065E	0,869	10	C3D02065	0,620	3		3	TME	0,620 €	3	1,860
1	C3D03060A		C3D03060A	1,260	1	C3D03060A	0,850	2	1		TME	0,850 €	1	0,850
9	1N5819HW-7-F		1N5819HW-7-F	0,252	25	1N5819HW-7-F	0,086	10		9	TME	0,086 €	9	0,771
1	US1K-DIO		US1K-13-F	0,106	25	US1K-DIO	0,067	10		1	TME	0,067 €	1	0,067
1	MC79L05		MC79L05ABDG	0,395	2	MC79L05ACDG	0,232	3		1	TME	0,232 €	1	0,232
1	LP2951		LP2951CD-3.3R2G	0,358	10	LP2951CDR2G	0,211	3		1	TME	0,211 €	1	0,211
1	VIPer35L		VIPER35LDTR	1,544	5	-				1	Digikey	1,040 €	1	1,040
1	SI8233BB-D-IS1					-				1	Digikey	2,050 €	1	2,050
1	LM5041B					-				1	Mouser	3,090 €	1	3,090
1	IR11688STRPBF					IR11688STRPBF	1,580	1		1	Farnell	1,520 €	1	1,520
1	TL072		TL072CDR	0,427	10	TL072CD-ST	0,218	3		1	TME	0,218 €	1	0,218
1	TL103W		TL103WID	0,692	5	-				1	Digikey	0,610 €	1	0,610
2	0R		CRCW08050000 Z0EA	0,037	50	SMD0805-0R	0,017	100		2	Mouser	0,011 €	2	0,022
1	RN214-2.5-02-3M3		RN214-2.5-02-3M3	1,742	1	-			1		Mouser	1,460 €	1	1,460
3	DLG-0403-180		SDR0403-180ML	0,336		DLG-0403-180	0,129	10		3	TME	0,129 €	3	0,386
2	60B684C		60B684C	2,650	1	-				2	Mouser	2,520 €	2	5,040
1	IHLP2020CZER3R3M11					-				1	Farnell	1,940 €	1	1,940
1	LTST-C170YKT		LTST-C170YKT	0,206	50	LTST-C170YKT	0,054	10		1	TME	0,054 €	1	0,054
2	TLP291-GB.SE-T		TLP291(GB-TP,SE(T	0,116	50	TLP291-GB.SE-T	0,126	5		2	RS	0,116 €	2	0,232
1	BCP56-16.115		BCP56-16T3G	0,138	10	BCP56-16.115	0,146	5		1	Farnell	0,138 €	1	0,138
4	C3M0280090D		C3M0280090D	3,100	2	-			4		Mouser	2,950 €	4	11,800
2	IRFS4321PBF		IRFS4321PBF	2,450	1	IRFS4321PBF	1,210	2		2	TME	1,210 €	2	2,420

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5	220K		R1206	R1, R2, R7, R8, R38	2861964	CRGCQ1206J220K	0,012	10	311-220KFRCT-ND	0,069	10	791-WR12X2203FTL	0,015	10	223-2574
2	16K		0805	R12, R75	1652925	CRCW080516K0FKEA	0,036	10	311-16.0KCRCT-ND	0,090	1	603-RC0805FR-0716KL	0,014	10	679-0920
1	5K1		0805	R13	1469937	CRCW08055K10FKEA	0,038	10	311-5.10KCRCT-ND	0,039	10	603-RC0805FR-135K1L	0,020	10	679-1569
2	470R		0805	R14, R69	1099798	WCR0805-470RFI	0,019	10	311-470CRCT-ND	0,039	10	71-CRCW0805470RFKEB	0,041	10	223-0376
5	10K		0805	R16, R23, R63, R65, R74	9237755	RC0805FR-0710KL	0,022	10	311-10.0KCRCT-ND	0,039	10	603-RC0805FR-0710KL	0,014	10	125-1189
4	47K		0805	R17, R21, R37, R59	2447664	MCWR08X4702FTL	0,009	10	RHM47KKCT-ND	0,036	10	603-RC0805FR-0747KL	0,014	10	679-1434
4	750R		0805	R18, R66, R68, R72	1469956	CRCW0805750RFKEA	0,038	10	311-750CRCT-ND	0,036	10	603-RC0805FR-13750RL	0,020	10	679-1660
2	12K		0805	R19, R70	1100220	WCR1206-12KFI	0,020	10	311-12.0KFRCT-ND	0,069	10	652-CR0805FX-1202ELF	0,032	10	223-2401
3	1K		0805	R22, R44, R51	1099800	WCR0805-1K0FI	0,019	10	RC0805FR-071KL	0,039	10	603-RC0805FR-071KL	0,015	10	223-0427
1	6R2		0805	R24	2447714	MCWR08W6R20FTL	0,012	10	311-6.20CRCT-ND	0,070	10	603-RC0805FR-076R2L	0,020	10	-
7	10R		0805	R26, R27, R34, R35, R36, R43, R58	9236643	RC1206FR-0710RL	0,050	10	311-10.0CRCT-ND	0,071	10	603-RC1206FR-0710RL	0,034	10	740-9085
3	100R		0805	R28, R30, R54	2447552	MCWR08X1000FTL	0,094	10	311-100CRCT-ND	0,039	10	RC0805FR-07100RL	0,014	10	679-0807
8	22R/2-3W		2512	R29, R31, R40, R41, R55, R56, R61, R62	2116456	RLP73K3AR22JTE	0,380	5	A126461CT-ND	0,409	10	279-352122RFT	0,122	10	224-0187
4	120R		0805	R3, R6, R10, R11	2447561	MCWR08X1200FTL	0,009	10	RMCF0805FT120RCT-ND	0,020	10	71-CRCW0805120RFKEAC	0,037	10	223-0304
2	1R		0805	R32, R39	2447598	MCWR08W1R00FTL	0,012	10	311-1.00CRCT-ND	0,071	10	603-RC0805FR-131RL	0,020	10	740-9151
3	30K		0805	R33, R48, R73	2303701	ERJ6ENF3002V	0,058	10	P30.0KCCT-ND	0,085	10	603-RC0805FR-0730KL	0,014	10	-
3	22R		0805	R4, R46, R47	1099795	WCR0805-220RFI	0,019	10	RMCF0805FT220RCT-ND	0,020	10	RC0805FR-07220RL	0,015		223-0332
1	6K8		0805	R45	2447711	MCWR08X6801FTL	0,094	10	311-6.80KCRCT-ND	0,039	10	652-CR0805FX-6801ELF	0,013	10	223-0540
1	82K		0805	R49	2447729	MCWR08X8202FTL	0,094	10	541-82.0KCCT-ND	0,047	10	603-RC0805FR-0782KL	0,014	10	223-0685
2	1K8		0805	R5, R20	2447595	MCWR08X1801FTL	0,009	10	A129752CT-ND	0,028	10	652-CR0805JW-182ELF	0,008	10	223-0461
2	3R3		0805	R57, R60	2447656	MCWR08W3R30FTL	0,012	10	RMCF0805FT3R30CT-ND	0,020	10	603-RC0805FR-073R3L	0,020	10	794-4140
1	316K		0805	R64	2695035	MCWR08X3163FTL	0,009	10	311-316KCRCT-ND	0,036	10	667-ERJ-6ENF3163V	0,037	10	-
1	3K3		0805	R71	2447651	MCWR08X3301FTL	0,009	10	311-3.30KCRCT-ND	0,039	10	652-CR0805-FX3301GLF	0,013	10	223-0499
1	220R		0805	R76	1099795	WCR0805-220RFI	0,019	10	RMCF0805FT220RCT-ND	0,020	10	603-RC0805FR-13220RL	0,020	10	223-0332
2	100K		0805	R9, R42	2447551	MCWR08X1003FTL	0,009	10	311-100KCRCT-ND	0,039	10	603-RC0805FR-10100KL	0,017	10	223-0691
1	53100C	Murata 5300 current transformer 1:100		TR2	2840104	53100C	2,380	1	811-1193-1-ND	1,500	1	580-53100C	1,500	1	715-7037
1	39-30-1039	THT, Minifit Jr. 3-pin		X1	2425045	39-30-1039	0,453	10	WM18442-ND	0,570	1	538-39-30-1039	0,430	1	670-5751

#	RS Components					TME					Price calculation for 1 set			
	Qty	Part name	Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ	THT	SMD	Best Supplier	Lowest unit price €	Order Qty	Line Cost €
5	220K		CRG1206F220K	0,004	50	CRCW1206220KFKTA BC	0,031	100		5	RS	0,004 €	5	0,020
2	16K		CRCW080516K 0FKEA	0,041	50	SMD0805-16K-1%	0,022	100		2	Mouser	0,014 €	2	0,028
1	5K1		CRCW08055K1 0FKEA	0,041	50	RC0805FR-075K1	0,022	100		1	Mouser	0,020 €	1	0,020
2	470R		CRG0805F470R	0,021	50	RC0805FR-07470R	0,022	100		2	Farnell	0,019 €	2	0,038
5	10K		CRG0805F10K	0,002	100	RC0805FR-0710K	0,022	100		5	RS	0,002 €	5	0,010
4	47K		CRCW080547K 0FKEA	0,036	50	RC0805FR-0747K	0,022	100		4	Farnell	0,009 €	4	0,038
4	750R		CRCW0805750 RFKEA	0,041	50	CRCW0805750RFKTA BC	0,025	100		4	Mouser	0,020 €	4	0,080
2	12K		CRG1206F12K	0,008	50	RC1206JR-0712K	0,018	100		2	RS	0,008 €	2	0,016
3	1K		CRG0805F1K0	0,017	50	RC0805FR-071K	0,022	100		3	Mouser	0,015 €	3	0,045
1	6R2					RC0805JR-076R2	0,034	100		1	Farnell	0,012 €	1	0,012
7	10R		CR1206-FX-10R0ELF	0,036	50	CRCW120610R0FKTA BC	0,031	100		7	TME	0,031 €	7	0,217
3	100R		CRCW0805100 RFKEA	0,043	50	SMD0805-100R-1%	0,022	100		3	Mouser	0,014 €	3	0,042
8	22R/2-3W		352022RJT	0,128	10	WF25P-22R-5%	0,072	50		8	TME	0,072 €	8	0,572
4	120R		CRG0805F120R	0,035	50	SMD0805-120R-1%	0,022	100		4	Farnell	0,009 €	4	0,038
2	1R		CR0805-J/-1R0ELF	0,027	50	SMD0805-1R-1%	0,032	100		2	Farnell	0,012 €	2	0,023
3	30K					SMD0805-30K-1%	0,022	100		3	Mouser	0,014 €	3	0,042
3	22R		CRG0805F220R	0,024	50	RC0805FR-07220R	0,007	100		3	TME	0,007 €	3	0,021
1	6K8		CRG0805F6K8	0,006	50	SMD0805-6K8-1%	0,022	100		1	RS	0,006 €	1	0,006
1	82K		CRG0805F82K	0,025	50	SMD0805-82K-1%	0,008	100		1	TME	0,008 €	1	0,008
2	1K8		CRG0805F1K8	0,022	50	SMD0805-1K8-1%	0,022	100		2	Mouser	0,008 €	2	0,016
2	3R3		CRL0805-FW-3R30ELF	0,045	10	CRCW08053R30FKTA BC	0,029	100		2	Farnell	0,009 €	2	0,019
1	316K					CRCW0805316KFKTA BC	0,025	100		1	Farnell	0,009 €	1	0,009
1	3K3		CRG0805F3K3	0,027	50	SMD0805-3K3-1%	0,022	100		1	Farnell	0,009 €	1	0,009
1	220R		CRG0805F220R	0,018	50	SMD0805-220R-1%	0,022	100		1	RS	0,018 €	1	0,018
2	100K		CRG0805F100K	0,007	50	SMD0805-100K-1%	0,022	100		2	RS	0,007 €	2	0,014
1	53100C		53100C	1,480	1	-				1	RS	1,480 €	1	1,480
1	39-30-1039		39-30-103	0,584	5	MX-5566-03A3	0,324	5		1	TME	0,324 €	1	0,324

#	Farnell / Element14								Digi-Key			Mouser			Code
	Qty	Part name	Package	Reference designator	Code	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	
1	90136-1208		THT, socket 8-pin	X2	9733833	90136-120	1,180	1	WM8229-ND	1,370	1	538-90136-1208	1,370	1	360-6651
1	39-28-1023		THT, Minifit Jr. 2-pin	X3	9732080	39-28-1023	0,367	1	WM3800-ND	0,530	1	538-39-28-1023	0,530	1	484-1883
1	BZT52C20-DC		Zener SOD-123	ZD1	2824935	SZMMSZ5250BT1 G	0,047	5	1727-8128-1-ND	0,180	1	621-BZT52C20- 13-F	0,170	1	822-2214
1	BZX384-C13		Zener SOD-323	ZD2	1757851	PDZ13B,115	0,148	5	1727-1716-1-ND	0,130	1	621-DDZ13BSF- 7	0,162	1	822-2198
2	MMSZ5V1T1G		Zener SOD-323	ZD3, ZD4	2690036	BZX384C5V1-E3- 08	0,041	5	MM3Z5V1ST1G OSCT-ND	0,140	1	621- DDZ5V1BSF-7	0,170	1	792-0973
1	PDZ6.2B		Zener SOD-323	ZD5	1757863	PDZ6.2B,115	0,124	5	MM3Z6V2T1GO SCT-ND	0,140	1	621-D3Z6V2BF-7	0,170	1	-

Not installed															
1	N.C.	C-EUC0603	C6												
3	N.C.	C-EUC0805	C51, C71, C72												
2	N.C.	DIODE-SOD323-W	D14, D17												
1	MMBT5401	SOT-23	Q6	1459108	MMBT5401LT1G	0,177	5	MMBT5401LT1G	0,190	1	MMBT5401LT1G	0,170	1	545-0393	
6	N.C.	R-EU_R0805	R15, R25, R53, R77, R78, R79												
2	6K8	R-EU_R0805	R50, R52	2447711	MCWR08X6801FT L	0,094	10	311-6.80KCRCT- ND	0,039	10	652-CR0805FX- 6801ELF	0,013	10	223-0540	
7		PCB_TEST_TABSHIELD	TP1, TP2, TP3, TP4, TP5, TP6, TP7												
1	SMAJ58A-TR	PSMAXX	ZD6												
1	TL431	TL431	IC9												
1	T910W-50K	TRIM_EU-S64W	P1												

Custom made components															
1	Custom QR Flyback	3+1 secondary, EF-20 bobbin	TR1	http://www.dokumentacja.feryster.pl/rysuj.php?lang=en&indeks=34866d690a7c2963cfec1b9c23eb8bca											
1	Custom CF-DIC transformer	Dual secondary transformer with VAC T60006-L2025-W380 core	TR3												
1	PCB 2-layer 155 x 85 mm	ALLPCB.com	-												

All prices are net prices (without VAT)

Please note that BOM does not contain ordering number for parts on reels or that which includes re-reeling fee (e.g. Farnell). Take also into account that total cost is higher because min. quantity (MOQ) for many parts is larger then what is needed for single unit.

#	RS Components					TME					Price calculation for 1 set			
	Qty	Part name	Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ			Best Supplier	Lowest unit price €	Order Qty	Line Cost €
1	90136-1208		90136-120	0,754	5	MX-90136-1208	0,560	3	1		TME	0,560 €	1	0,560
1	39-28-1023		39-28-102	0,354	5	MX-5566-02A	0,104	5	1		TME	0,104 €	1	0,104
1	BZT52C20-DC		BZT52C20S-7-F	0,093	100	BZT52C20-DC	0,052	10		1	Farnell	0,047 €	1	0,047
1	BZX384-C13		BZT52C13S-7-F	0,093	100	BZX384-C13.115	0,025	25		1	TME	0,025 €	1	0,025
2	MMSZ5V1T1G		BZX384-B6V2,115	0,016	20	MMSZ5V1T1G	0,023	25		2	RS	0,016 €	2	0,032
1	PDZ6.2B					PDZ6.2	0,022	25		1	TME	0,022 €	1	0,022
									3	21	174			
														51,68 €

Not installed														
1	N.C.								1		Farnell	0,000 €		0,000
3	N.C.								3		Farnell	0,000 €		0,000
2	N.C.								2		Farnell	0		0,000
1	MMBT5401		MMBT5401LT1G	0,153	10	MMBT5401	0,024	25	1		TME	0,02358		0,000
6	N.C.								6		Farnell	0		0,000
2	6K8		CRG0805F6K8	0,006	50	SMD0805-6K8-1%	0,022	100	2		RS	0,006		0,000
7									7		Farnell	0		0,000
1	SMAJ58A-TR					SMAJ58A-T	0,129	5	1		TME	0,1288		0,000
1	TL431					TL431CDBZR	0,117	5	1		TME	0,1174		0,000
1	T910W-50K					TRIM_EU-S64W	0,252	5	1		TME	0,2519		0,000

Custom made componer														
1	Custom QR Flyback										Feryster	2,200 €	1	2,200
1	Custom CF-DIC transformer										Feryster	5,600 €	1	5,600
1	PCB 2-layer 155 x 85 mm										ALLPCB	4,600 €	1	4,600
														12,40 €

Total 64,08 €