

#	Farnell / Element14								Digi-Key			Mouser		
	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
2	5	1u	0805, X7R	C11, C29, C43, C45, C72										
3	1	1n/1kV	1210, X7R	C12	2812601	885342209006	0,580	5	732-12116-1-ND	0,380	1	710-885342209006	0,357	1
4	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
5	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
6	15	100n	0603, X7R	C17, C20, C22, C30, C34, C35, C37, C39, C40, C44, C48, C62, C64, C66, C67	2522597	C0603C104K4RAC 7081	0,011	10	490-4774-1-ND	0,029	100	80-C0603C104M4R	0,007	100
7	2	4u7	1206, Tant.	C23, C71	2462768	T491A475M010AT	0,273	5	399-3698-1-ND	0,260	10	80-T491A475M010A T	0,185	10
8	1	470u	THT, Ø10.5mm, RM 5	C24	1800650	EEUFR1E471B	0,461	10	493-11717-1-ND	0,380	1	647-UPW1C471MPD 1TD	0,374	1
9	2	33n	0805, X7R	C26, C70	1414688	C0805C333K5RAC TU	0,051	10	1276-1796-1-ND	0,068	10	77-VJ0805Y333JXA PBC	0,020	50
10	3	100p	0805, C0G	C27, C68, C69	2896466	VJ0805A101JXAC W1BC	0,041	10	399-1121-1-ND	0,061	10	80-C0805C101J5G	0,022	10
11	1	2n2	0805, X7R	C28	2896572	VJ0805Y222KXAC W1BC	0,028	10	720-1604-1-ND	0,063	10	77-VJ0805Y222KXB AC	0,032	50
12	4	3n3	0805, X7R	C3, C9, C18, C21										
13	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
14	3	10n	0603, X7R	C33, C38, C42	2522596	C0603C103K5RAC 7081	0,042	10	399-1092-1-ND	0,040	10	80-C0603C103M5R 3121	0,031	10
15	3	100n/500V	1812, X7R	C36, C46, C47	2676599	C1812C104KBRAC TU	0,600	1	445-2300-1-ND	0,453	10	810-C4532X7R2J104 M	0,408	10
16	3	CY1Y-470P	THT, Ceramic Y1, RM 10	C5, C6, C19	2860164	VY1471K31Y5UQ6 TV0	0,220	1	BC2372-ND	0,206	10	72-VY1471M31Y5U Q63V0	0,186	10
17	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
18	1	220p	0805, C0G	C49	2773233	C0805C221K5GAC TU	0,037	10	399-8038-1-ND	0,079	10	80-C0805C221J5G	0,031	10
19	1	470p	0805, C0G	C50	2497036	0805N471J101CT	0,045		732-7837-1-ND	0,057	10	77-VJ0805A471KXA AC	0,047	10
20	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

RS Components							TME					Price calculation for 1 set			
#	Qty	Part name	Code	Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ	THT	SMD	Best Supplier	Lowest unit price €	Order Qty	Line Cost €
1	2	MKP-X2-220NR15/310	875-2257	R4631322050M2 K	0,372	25	MKP-X2-220NR15/310	0,116	10	2		TME	0,116 €	2	0,231
2	5	1u									5	Farnell	0,000 €	5	0,000
3	1	1n/1kV	500-2499	C1210C102JDG ACTU	0,880	5	1210B102K102CT	0,343	10		1	TME	0,343 €	1	0,343
4	1	UCY2G6R8MPD	739-4551	UCA2G6R8MPD	1,008	1	UCY2G6R8MPD	0,240	5	1		TME	0,240 €	1	0,240
5	2	4u7	691-1221	C1206C475K3R ACTU	0,232	25	GCM31CR71E475KA5 5L	0,381	10		2	Mouser	0,129 €	2	0,258
6	15	100n	393-6952	VJ0603Y104KXJ AT	0,069	25	CL10B104KA8NNNC	0,098	100		15	Mouser	0,007 €	15	0,105
7	2	4u7	538-2341	T491A475K016A T	0,185	10	T491A475M010AT	0,137	5		2	TME	0,137 €	2	0,274
8	1	470u	708-3721	EEUFR1E471	0,400	10	EEUFR1E471	0,195	5	1		TME	0,195 €	1	0,195
9	2	33n	652-0982	VJ0805Y333KX AAT	0,066	25	CL21B333KBANNNC	0,035	100		2	Mouser	0,020 €	2	0,040
10	3	100p	461-3997	CC0805JRN09 BN101	0,017	25	VJ0805A101JXACW1 BC	0,024	100		3	RS	0,017 €	3	0,051
11	1	2n2	264-4359	C0805C222K5R ACTU	0,031	25	VJ0805Y222KXACW1 BC	0,020	100		1	TME	0,020 €	1	0,020
12	4	3n3									4	Farnell	0,000 €	4	0,000
13	2	UCY2G121MHD	851-4116	UCP2G121MHD	3,840	1	UCY2G121MHD	1,388	1	2		TME	1,388 €	2	2,776
14	3	10n	264-4595	C0603C103K5R ACTU	0,035	25	C0603X103K5RACTU	0,080	100		3	Mouser	0,031 €	3	0,093
15	3	100n/500V	371-6887	C4532JB2J104K	0,460	10	1812B104K501CT	0,663	10		3	Mouser	0,408 €	3	1,224
16	3	CY1Y-470P	736-8858	VY1471K31Y5U Q6TV0	0,100	10	CY1Y-470P	0,099	10	3		TME	0,099 €	3	0,298
17	1	2n2/1kV	773-8121	1210Y1K00222K XT	0,564	5	1206B222K102CT	0,114	50		1	TME	0,114 €	1	0,114
18	1	220p	723-6247	GRM2165C1H2 21JA01D	0,067	100	CL21C221JBANNNC	0,028	100		1	TME	0,028 €	1	0,028
19	1	470p	264-4315	C0805C471J5G ACTU	0,063	25	VJ0805A471JXACW1 BC	0,033	100		1	TME	0,033 €	1	0,033
20	3	UPW1J152MHD	715-2981	UPW1J152MHD	2,215	2	UPW1J152MHD	1,652	1	3		Farnell	1,300 €	3	3,900

#	Farnell / Element14								Digi-Key			Mouser		
	Qty	Part name	Package	Reference designator	Code	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ
21	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
22	2	HHXC630ARA330MHA0 G	Ø8 x 10 mm	C56, C57	-				565-4788-1-ND	0,890	1	HHXC630ARA33 0MHA0G	0,770	1
23	2	4n7/200V	1206, X7R	C61, C65	1855870	MC1206B472K201 CT	0,149	5	478-10870-1-ND	0,283	10	581- 12062C472JAT2 A	0,247	10
24	1	10u	1210, X7R	C63	2494299	GRM32DR71C106 KA01L	0,508	1	1276-1150-1-ND	0,246	10	963- EMK325B7106M NHTR	0,213	10
25	3	EEEFK1V470P	Ø6.3 x 5.8 mm	C7, C10, C14	9695850	EEEFK1V470P	0,344	1	PCE3842CT-ND	0,312	10	667-EEE- FK1V470P	0,238	10
26	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
27	4	SS110B	SMB	D1, D2, D5, D8	1861422	SS110B	0,097	5	SS110-TPCT-ND	0,350	1	833-SS110FL-TP	0,323	1
28	3	BAS316	SOD-323	D10, D11, D12	8734275	BAS316,115	0,193	5	1727-7370-1-ND	0,120	1	771-BAS316-T/R	0,179	1
29	3	C3D02065E	TO-252 (DPAK)	D13, D18, D19	-				C3D02065E-ND	0,860	1	941-C3D02065E	0,859	1
30	1	C3D03060A	THT, TO-220	D15	-				C3D03060A-ND	1,250	1	941-C3D03060A	1,240	1
31	9	1N5819HW-7-F	SOD-323	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
32	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
33	1	MC79L05	SOIC8	IC1	1211125	MC79L05ACDG	0,294	5	MC79L05ACDG OS-ND	0,340	1	595- MC79L05ACDG4	0,306	1
34	1	LP2951	SOIC8	IC2	2845124	LP2951CD-3.3R2G	0,402	1	LP2951CDR2GO SCT-ND	0,440	1	595-LP2951- 50DR	0,417	1
35	1	VIPer35L	SOIC16	IC3	2612169	VIPER35LD	1,130	1	497-16075-5-ND	1,040	1	511-VIPER35LD	1,040	1
36	1	SI8233BB-D-IS1	SOIC16	IC4	2423138	SI8233BB-D-IS1	2,460	1	336-3066-ND	2,050	1	634-SI8233BB-D- IS1	2,410	
37	1	LM5041B	TSSOP16	IC5	-				LM5041BMTC/N OPB-ND	3,110	1	926- LM5041BMTC/N OPB	3,090	1
38	1	IR11688STRPBF	SOIC8	IC6	2780950	IR11688STRPBF	1,520	1	IR11688STRPBF CT-ND	1,680	1	942- IR11688STRPBF	1,550	1
39	1	TL072	SOIC8	IC7	2342304	TL072CPSR	0,496	1	TL072SG- 13DICT-ND	0,350	1	621-TL072SG-13	0,340	1
40	1	TL103W	SOIC8	IC8	1755223	TL103WID	0,665	1	296-18862-1-ND	0,610	1	595-TL103WID	0,706	1
41	2	0R	0805	JP3, R67	9233750	RC0805JR-070RL	0,012	10	RC2012J000CS	0,090	1	RC0805JR- 070RL	0,011	10
42	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
43	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
44	2	60B684C	Murata power inductor 6000B	L5, L6	2290311	60B684C	5,140	1	811-2466-ND	2,540	1	580-60B684C	2,520	1

#	RS Components						TME					Price calculation for 1 set			
	Qty	Part name	Code	Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ	THT	SMD	Best Supplier	Lowest unit price €	Order Qty	Line Cost €
21	2	1u/100V	916-2977	C3216X7R2A10 5K160AM	0,290	20	CL31B105KCHSNNE	0,211	10		2	TME	0,211 €	2	0,422
22	2	HHXC630ARA330MHA0 G	-				-				2	Mouser	0,770 €	2	1,540
23	2	4n7/200V	669-8644	223893115632	0,048	25	1206B472K501CT	0,105	100		2	RS	0,048 €	2	0,096
24	1	10u	103-4184	EMK325B7106K N-T	0,188	20	CL32B106KBJNNNE	0,201	10		1	RS	0,188 €	1	0,188
25	3	EEEFK1V470P	537-0657	EEEFK1V470P	0,394	5	EEEFK1V470P	0,130	5		3	TME	0,130 €	3	0,390
26	2	470n	174-4499	C0805X474K5R ECAUTO	0,091	100	CL21B474KBFNNNE	0,027	100		2	TME	0,027 €	2	0,053
27	4	SS110B	743-5992	SS110 R3	0,154	25	SS110-JGD	0,053	5		4	TME	0,053 €	4	0,213
28	3	BAS316	397-2914	BAS316,115	0,122	50	BAS316,115	0,026	25		3	TME	0,026 €	3	0,079
29	3	C3D02065E	915-8846	C3D02065E	0,869	10	C3D02065	0,620	3		3	TME	0,620 €	3	1,860
30	1	C3D03060A	702-7447	C3D03060A	1,260	1	C3D03060A	0,850	2	1		TME	0,850 €	1	0,850
31	9	1N5819HW-7-F	708-2197	1N5819HW-7-F	0,252	25	1N5819HW-7-F	0,086	10		9	TME	0,086 €	9	0,771
32	1	US1K-DIO	751-5130	US1K-13-F	0,106	25	US1K-DIO	0,067	10		1	TME	0,067 €	1	0,067
33	1	MC79L05	688-9310	MC79L05ABDG	0,395	2	MC79L05ACDG	0,232	3		1	TME	0,232 €	1	0,232
34	1	LP2951	773-7699	LP2951CD- 3.3R2G	0,358	10	LP2951CDR2G	0,211	3		1	TME	0,211 €	1	0,211
35	1	VIPer35L	124-1146	VIPER35LDTR	1,544	5	-				1	Digikey	1,040 €	1	1,040
36	1	SI8233BB-D-IS1	-				-				1	Digikey	2,050 €	1	2,050
37	1	LM5041B	-				-				1	Mouser	3,090 €	1	3,090
38	1	IR11688STRPBF	-				IR11688STRPBF	1,580	1		1	Farnell	1,520 €	1	1,520
39	1	TL072	661-0066	TL072CDR	0,427	10	TL072CD-ST	0,218	3		1	TME	0,218 €	1	0,218
40	1	TL103W	809-5334	TL103WID	0,692	5	-				1	Digikey	0,610 €	1	0,610
41	2	0R	679-0800	CRCW08050000 Z0EA	0,037	50	SMD0805-0R	0,017	100		2	Mouser	0,011 €	2	0,022
42	1	RN214-2.5-02-3M3	133-6257	RN214-2.5-02- 3M3	1,742	1	-			1		Mouser	1,460 €	1	1,460
43	3	DLG-0403-180	798-0938	SDR0403- 180ML	0,336		DLG-0403-180	0,129	10		3	TME	0,129 €	3	0,386
44	2	60B684C	749-6427	60B684C	2,650	1	-				2	Mouser	2,520 €	2	5,040

#	Farnell / Element14								Digi-Key			Mouser		
	Qty	Part name	Package	Reference designator	Code	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ
45	1	IHLP2020CZER3R3M11	Vishay power inductor	L7	1741325	IHLP2020CZER3R3M11	1,940	5	541-1237-1-ND	2,040	1	70-IHLP2020CZER3R3M1	2,140	1
46	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
47	2	TLP291-GB.SE-T	SOIC4	OK1, OK2	2524307	TLP291(GB,SE	0,196	1	-			-		
48	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
49	4	C3M0280090D	THT, TO-247	Q2, Q3, Q4, Q5	2630827	C3M0280090D	3,710	1	C3M0280090D-ND	3,110	1	941-C3M0280090D	2,950	1
50	2	Option #1: IPB144N12N3G	TO-263 (D2PAK)	Q7, Q8	2480804	IPB144N12N3GATMA1	1,310	5	IPB144N12N3GATMA1CT-ND	1,710	1	726-IPB144N12N3G	1,370	1
	0	Option #2: FDD86250-F085	TO-252 (DPAK)	Q7, Q8	2895710	FDD86250-F085	0,661	5	FDD86250-F085OSCT-ND	1,620	1	863-FDD86250-F085	1,280	1
	0	Option #3: IRFS4321PBF	TO-263 (D2PAK)	Q7, Q8	1436980	IRFS4321PBF	2,740	1	IRFS4321PBF-ND	3,070	1	942-IRFS4321PBF	2,520	1
	0	Option #4: SUD80460E-GE	TO-252 (DPAK)	Q7, Q8	2708325	SUD80460E-GE3	1,090	5	SUD80460E-GE3-ND	0,970	1	78-SUD80460E-GE3	0,840	1
51	5	220K	1206	R1, R2, R7, R8, R38	2861964	CRGCQ1206J220K	0,012	10	311-220KFRCT-ND	0,069	10	791-WR12X2203FTL	0,015	10
52	2	16K	0805	R12, R76	1652925	CRCW080516K0FKEA	0,036	10	311-16.0KCRCT-ND	0,090	1	603-RC0805FR-0716KL	0,014	10
53	1	5K1	0805	R13	1469937	CRCW08055K10FKEA	0,038	10	311-5.10KCRCT-ND	0,039	10	603-RC0805FR-135K1L	0,020	10
54	2	470R	0805	R14, R70	1099798	WCR0805-470RFI	0,019	10	311-470CRCT-ND	0,039	10	71-CRCW0805470RFKEB	0,041	10
55	5	10K	0805	R16, R23, R64, R66, R75	9237755	RC0805FR-0710KL	0,022	10	311-10.0KCRCT-ND	0,039	10	603-RC0805FR-0710KL	0,014	10
56	4	47K	0805	R17, R21, R37, R60	2447664	MCWR08X4702FTL	0,009	10	RHM47KKCT-ND	0,036	10	603-RC0805FR-0747KL	0,014	10
57	4	750R	0805	R18, R67, R69, R73	1469956	CRCW0805750RFKEA	0,038	10	311-750CRCT-ND	0,036	10	603-RC0805FR-13750RL	0,020	10
58	2	12K	0805	R19, R71	1100220	WCR1206-12KFI	0,020	10	311-12.0KFRCT-ND	0,069	10	652-CR0805FX-1202ELF	0,032	10
59	4	120R	0805	R2, R6, R10, R11	2447561	MCWR08X1200FTL	0,009	10	RMCF0805FT12ORCT-ND	0,020	10	71-CRCW0805120RFKEAC	0,037	10
60	3	1K	0805	R22, R44, R51	1099800	WCR0805-1K0FI	0,019	10	RC0805FR-071KL	0,039	10	603-RC0805FR-071KL	0,015	10
61	1	6R2	0805	R24	2447714	MCWR08W6R20FTL	0,012	10	311-6.20CRCT-ND	0,070	10	603-RC0805FR-076R2L	0,020	10
62	7	10R	0805	R26, R27, R34, R35, R36, R43, R59	9236643	RC1206FR-0710RL	0,050	10	311-10.0CRCT-ND	0,071	10	603-RC1206FR-0710RL	0,034	10
63	3	100R	0805	R28, R30, R54	2447552	MCWR08X1000FTL	0,094	10	311-100CRCT-ND	0,039	10	RC0805FR-07100RL	0,014	10
64	8	22R/2-3W	2512	R29, R31, R40, R41, R56, R57, R62, R63	2116456	RLP73K3AR22JTE	0,380	5	A126461CT-ND	0,409	10	279-352122RFT	0,122	10

#	RS Components						TME					Price calculation for 1 set			
	Qty	Part name	Code	Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ	THT	SMD	Best Supplier	Lowest unit price €	Order Qty	Line Cost €
45	1	IHL2020CZER3R3M11	-				-				1	Farnell	1,940 €	1	1,940
46	1	LTST-C170YKT	692-0925	LTST-C170YKT	0,206	50	LTST-C170YKT	0,054	10		1	TME	0,054 €	1	0,054
47	2	TLP291-GB.SE-T	144-5264	TLP291(GB-TP,SE(T	0,116	50	TLP291-GB.SE-T	0,126	5		2	RS	0,116 €	2	0,232
48	1	BCP56-16.115	773-7633	BCP56-16T3G	0,138	10	BCP56-16.115	0,146	5		1	Farnell	0,138 €	1	0,138
49	4	C3M0280090D	915-8842	C3M0280090D	3,100	2	-			4		Mouser	2,950 €	4	11,800
50	2	Option #1: IPB144N12N3G	897-7201	IPB144N12N3G ATMA1	1,166	10	IPB144N12N3GATMA1	1,090	1		2	TME	1,090 €	2	2,180
	0	Option #2: FDD86250-F085	-				-								
	0	Option #3: IRFS4321PBF	495-877	IRFS4321PBF	2,450	1	IRFS4321PBF	1,210	2						
	0	Option #4: SUD80460E-GE	-				-								
51	5	220K	223-2574	CRG1206F220K	0,004	50	CRCW1206220KFKA BC	0,031	100		5	RS	0,004 €	5	0,020
52	2	16K	679-0920	CRCW080516K0FKEA	0,041	50	SMD0805-16K-1%	0,022	100		2	Mouser	0,014 €	2	0,028
53	1	5K1	679-1569	CRCW08055K10FKEA	0,041	50	RC0805FR-075K1	0,022	100		1	Mouser	0,020 €	1	0,020
54	2	470R	223-0376	CRG0805F470R	0,021	50	RC0805FR-07470R	0,022	100		2	Farnell	0,019 €	2	0,038
55	5	10K	125-1189	CRG0805F10K	0,002	100	RC0805FR-0710K	0,022	100		5	RS	0,002 €	5	0,010
56	4	47K	679-1434	CRCW080547K0FKEA	0,036	50	RC0805FR-0747K	0,022	100		4	Farnell	0,009 €	4	0,038
57	4	750R	679-1660	CRCW0805750RFKEA	0,041	50	CRCW0805750RFKA BC	0,025	100		4	Mouser	0,020 €	4	0,080
58	2	12K	223-2401	CRG1206F12K	0,008	50	RC1206JR-0712K	0,018	100		2	RS	0,008 €	2	0,016
59	4	120R	223-0304	CRG0805F120R	0,035	50	SMD0805-120R-1%	0,022	100		4	Farnell	0,009 €	4	0,038
60	3	1K	223-0427	CRG0805F1K0	0,017	50	RC0805FR-071K	0,022	100		3	Mouser	0,015 €	3	0,045
61	1	6R2	-				RC0805JR-076R2	0,034	100		1	Farnell	0,012 €	1	0,012
62	7	10R	740-9085	CR1206-FX-10R0ELF	0,036	50	CRCW120610R0FKTA BC	0,031	100		7	TME	0,031 €	7	0,217
63	3	100R	679-0807	CRCW0805100RFKEA	0,043	50	SMD0805-100R-1%	0,022	100		3	Mouser	0,014 €	3	0,042
64	8	22R/2-3W	224-0187	352022RJT	0,128	10	WF25P-22R-5%	0,072	50		8	TME	0,072 €	8	0,572

#	Farnell / Element14								Digi-Key			Mouser		
	Qty	Part name	Package	Reference designator	Code	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ
65	2	1R	0805	R32, R39	2447598	MCWR08W1R00F-TL	0,012	10	311-1.00CRCT-ND	0,071	10	603-RC0805FR-131RL	0,020	10
66	3	30K	0805	R33, R48, R74	2303701	ERJ6ENF3002V	0,058	10	P30.0KCCT-ND	0,085	10	603-RC0805FR-0730KL	0,014	10
67	3	22R	0805	R4, R46, R47	1099795	WCR0805-220RFI	0,019	10	RMCF0805FT22R0CT-ND	0,020	10	RC0805FR-07220RL	0,015	
68	1	6K8	0805	R45	2447711	MCWR08X6801FT-L	0,094	10	311-6.80KCRCT-ND	0,039	10	652-CR0805FX-6801ELF	0,013	10
69	1	82K	0805	R49	2447729	MCWR08X8202FT-L	0,094	10	541-82.0KCCT-ND	0,047	10	603-RC0805FR-0782KL	0,014	10
70	2	1K8	0805	R5, R20	2447595	MCWR08X1801FT-L	0,009	10	A129752CT-ND	0,028	10	652-CR0805JW-182ELF	0,008	10
71	2	3R3	0805	R58, R61	2447656	MCWR08W3R30F-TL	0,012	10	RMCF0805FT3R30CT-ND	0,020	10	603-RC0805FR-073R3L	0,020	10
72	1	316K	0805	R65	2695035	MCWR08X3163FT-L	0,009	10	311-316KCRCT-ND	0,036	10	667-ERJ-6ENF3163V	0,037	10
73	1	3K3	0805	R72	2447651	MCWR08X3301FT-L	0,009	10	311-3.30KCRCT-ND	0,039	10	652-CR0805-FX3301GLF	0,013	10
74	1	220R	0805	R77	1099795	WCR0805-220RFI	0,019	10	RMCF0805FT220RCT-ND	0,020	10	603-RC0805FR-13220RL	0,020	10
75	2	100K	0805	R9, R42	2447551	MCWR08X1003FT-L	0,009	10	311-100KCRCT-ND	0,039	10	603-RC0805FR-10100KL	0,017	10
76	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
77	1	39-30-1039	THT, Minifit Jr. 3-pin	X2	2425045	39-30-1039	0,453	10	WM18442-ND	0,570	1	538-39-30-1039	0,430	1
78	1	90136-1208	THT, socket 8-pin	X3	9733833	90136-120	1,180	1	WM8229-ND	1,370	1	538-90136-1208	1,370	1
79	1	39-28-1023	THT, Minifit Jr. 2-pin	X4	9732080	39-28-1023	0,367	1	WM3800-ND	0,530	1	538-39-28-1023	0,530	1
80	1	BZT52C20-DC	Zener SOD-123	ZD1	2824935	SZMMSZ5250BT1G	0,047	5	1727-8128-1-ND	0,180	1	621-BZT52C20-13-F	0,170	1
81	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
82	2	MMSZ5V1T1G	Zener SOD-323	ZD3, ZD4	2690036	BZX384C5V1-E3-08	0,041	5	MM3Z5V1ST1GOSCT-ND	0,140	1	621-DDZ5V1BSF-7	0,170	1
83	1	PDZ6.2B	Zener SOD-323	ZD5	1757863	PDZ6.2B,115	0,124	5	MM3Z6V2T1GOSCT-ND	0,140	1	621-D3Z6V2BF-7	0,170	1

Not installed														
1	N.C.	0603, X7R	C4											
3	N.C.	0805	C51, C73, C74											
1	100n/100V	0805	C59											
1	N.C.	1206	C60											
1	100n	0603, X7R	C75	2522597	C0603C104K4RAC 7081	0,011	10	490-4774-1-ND	0,029	100	80- C0603C104M4R	0,007	100	
2	N.C.	SOD-323	D14, D17											
1	LM211PWR	TSSOP8	IC10											

RS Components							TME					Price calculation for 1 set			
#	Qty	Part name	Code	Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ	THT	SMD	Best Supplier	Lowest unit price €	Order Qty	Line Cost €
65	2	1R	740-9151	CR0805-J/- 1R0ELF	0,027	50	SMD0805-1R-1%	0,032	100		2	Farnell	0,012 €	2	0,023
66	3	30K	-				SMD0805-30K-1%	0,022	100		3	Mouser	0,014 €	3	0,042
67	3	22R	223-0332	CRG0805F220R	0,024	50	RC0805FR-07220R	0,007	100		3	TME	0,007 €	3	0,021
68	1	6K8	223-0540	CRG0805F6K8	0,006	50	SMD0805-6K8-1%	0,022	100		1	RS	0,006 €	1	0,006
69	1	82K	223-0685	CRG0805F82K	0,025	50	SMD0805-82K-1%	0,008	100		1	TME	0,008 €	1	0,008
70	2	1K8	223-0461	CRG0805F1K8	0,022	50	SMD0805-1K8-1%	0,022	100		2	Mouser	0,008 €	2	0,016
71	2	3R3	794-4140	CRL0805-FW- 3R30ELF	0,045	10	CRCW08053R30FKTA BC	0,029	100		2	Farnell	0,009 €	2	0,019
72	1	316K	-				CRCW0805316KFKTA BC	0,025	100		1	Farnell	0,009 €	1	0,009
73	1	3K3	223-0499	CRG0805F3K3	0,027	50	SMD0805-3K3-1%	0,022	100		1	Farnell	0,009 €	1	0,009
74	1	220R	223-0332	CRG0805F220R	0,018	50	SMD0805-220R-1%	0,022	100		1	RS	0,018 €	1	0,018
75	2	100K	223-0691	CRG0805F100K	0,007	50	SMD0805-100K-1%	0,022	100		2	RS	0,007 €	2	0,014
76	1	53100C	715-7037	53100C	1,480	1	-				1	RS	1,480 €	1	1,480
77	1	39-30-1039	670-5751	39-30-103	0,584	5	MX-5566-03A3	0,324	5	1		TME	0,324 €	1	0,324
78	1	90136-1208	360-6651	90136-120	0,754	5	MX-90136-1208	0,560	3	1		TME	0,560 €	1	0,560
79	1	39-28-1023	484-1883	39-28-102	0,354	5	MX-5566-02A	0,104	5	1		TME	0,104 €	1	0,104
80	1	BZT52C20-DC	822-2214	BZT52C20S-7-F	0,093	100	BZT52C20-DC	0,052	10		1	Farnell	0,047 €	1	0,047
81	1	BZX384-C13	822-2198	BZT52C13S-7-F	0,093	100	BZX384-C13.115	0,025	25		1	TME	0,025 €	1	0,025
82	2	MMSZ5V1T1G	792-0973	BZX384- B6V2,115	0,016	20	MMSZ5V1T1G	0,023	25		2	RS	0,016 €	2	0,032
83	1	PDZ6.2B	-				PDZ6.2	0,022	25		1	TME	0,022 €	1	0,022
										3	21	174			
													52,93 €		

Not installed															
1	N.C.										1	Farnell	0,000 €		0,000
3	N.C.										3	Farnell	0,000 €		0,000
1	100n/100V										1	Farnell	0,000 €		0,000
1	N.C.										1	Farnell	0,000 €		0,000
1	100n	393-6952	VJ0603Y104KXJ AT		0,069	25	CL10B104KA8NNNC	0,098	100		1	Mouser	0,007 €		
2	N.C.										2	Farnell	0,000 €		0,000
1	LM211PWR						LM211PWR	0,231	3		1	TME	0,231 €		0,000



#	Farnell / Element14								Digi-Key			Mouser		
	Qty	Part name	Package	Reference designator	Code	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ
1	10K/3570K	0805		NTC1								594-NTCS0805E3103JHT	0,162	1
1	MMBT5401	SOT-23		Q6	1459108	MMBT5401LT1G	0,177	5	MMBT5401LT1G	0,190	1	MMBT5401LT1G	0,170	1
6	N.C.	0805		R15, R25, R53, R78, R79, R83										
2	6K8	0805		R50, R52	2447711	MCWR08X6801FTL	0,094	10	311-6.80KCRCT-ND	0,039	10	652-CR0805FX-6801ELF	0,013	10
1	N.C.	1210		R55										
1	1K	0805		R80	1099800	WCR0805-1K0FI	0,019	10	RC0805FR-071KL	0,039	10	603-RC0805FR-071KL	0,015	10
1	100K	0805		R81	2447551	MCWR08X1003FTL	0,009	10	311-100KCRCT-ND	0,039	10	603-RC0805FR-10100KL	0,017	10
2	10K	0805		R82, R84	9237755	RC0805FR-0710KL	0,022	10	311-10.0KCRCT-ND	0,039	10	603-RC0805FR-0710KL	0,014	10
7	Test points			TP1, TP2, TP3, TP4, TP5, TP6, TP7										
1	SMAJ58A-TR			ZD6										
1	TL431			IC9										
1	T910W-50K			P1										
1	B2B-ZR	THT, 1.5 mm JST, 2-pin		X1										

#### Custom made components

1	Custom QR Flyback	3+1 secondary, EF-20 bobbin	TR1	<a href="http://www.dokumentacja.feryster.pl/rysuj.php?lang=en&amp;indeks=34866d690a7c2963cfec1b9c23eb8bca">http://www.dokumentacja.feryster.pl/rysuj.php?lang=en&amp;indeks=34866d690a7c2963cfec1b9c23eb8bca</a>										
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.

All resistors are 1% 0805 if not otherwise specified.

#	RS Components						TME			THT	SMD	Price calculation for 1 set			
	Qty	Part name	Code	Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ			Best Supplier	Lowest unit price €	Order Qty	Line Cost €
1	10K/3570K						NTCS0805E3103JM	0,480	5		1	Mouser	0,162 €		0,000
1	MMBT5401		545-0393	MMBT5401LT1 G	0,153	10	MMBT5401	0,024	25		1	TME	0,024 €		0,000
6	N.C.										6	Farnell	0,000 €		0,000
2	6K8		223-0540	CRG0805F6K8	0,006	50	SMD0805-6K8-1%	0,022	100		2	RS	0,006 €		0,000
1	N.C.										1	Farnell	0,000 €		0,000
1	1K		223-0427	CRG0805F1K0	0,017	50	RC0805FR-071K	0,022	100		1	Mouser	0,015 €		0,000
1	100K		223-0691	CRG0805F100K	0,007	50	SMD0805-100K-1%	0,022	100		1	RS	0,007 €		0,000
2	10K		125-1189	CRG0805F10K	0,002	100	RC0805FR-0710K	0,022	100		2	RS	0,002 €		0,000
7	Test points						TEST-5	0,082	10		7	TME	0,082 €		0,000
1	SMAJ58A-TR						SMAJ58A-T	0,129	5		1	TME	0,129 €		0,000
1	TL431						TL431CDBZR	0,117	5		1	TME	0,117 €		0,000
1	T910W-50K						TRIM_EU-S64W	0,252	5		1	TME	0,252 €		0,000
1	B2B-ZR						B2B-ZR	0,214	5		1	TME	0,214 €		0,000
<b>Custom made componer</b>															
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
														<b>12,40 €</b>	
														<b>Total</b>	<b>65,33 €</b>