

#	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

#	RS Components					TME					Price calculation for 1 set			
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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	CC0805JRNP09 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	CL31B105KCHSNE	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	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	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	Option #1: 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	Option #1: IRFS4321PBF		IRFS4321PBF	2,450	1	IRFS4321PBF	1,210	2		2	TME	1,210 €	2	2,420

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0	Option #2:	IPB144N12N3 TO-263 (D2PAK) G		Q7, Q8	2480804	IPB144N12N3GAT MA1	1,310	5	IPB144N12N3GA TMA1CT-ND	1,710	1	726-IPB144N12N3G	1,370	1	897-7201
0	Option #3:	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	-
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	CRCW080516K0F KEA	0,036	10	311-16.0KCRCT-ND	0,090	1	603-RC0805FR-0716KL	0,014	10	679-0920
1	5K1		0805	R13	1469937	CRCW08055K10F KEA	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-CRCW0805470R FKEB	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	MCWR08X4702FT L	0,009	10	RHM47KKCT-ND	0,036	10	603-RC0805FR-0747KL	0,014	10	679-1434
4	750R		0805	R18, R66, R68, R72	1469956	CRCW0805750RF KEA	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	MCWR08W6R20F TL	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	MCWR08X1000FT L	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	MCWR08X1200FT L	0,009	10	RMCF0805FT12 0RCT-ND	0,020	10	71-CRCW0805120R FKEAC	0,037	10	223-0304
2	1R		0805	R32, R39	2447598	MCWR08W1R00F TL	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	RMCF0805FT22 0RCT-ND	0,020	10	RC0805FR-07220RL	0,015		223-0332
1	6K8		0805	R45	2447711	MCWR08X6801FT L	0,094	10	311-6.80KCRCT-ND	0,039	10	652-CR0805FX-6801ELF	0,013	10	223-0540
1	82K		0805	R49	2447729	MCWR08X8202FT L	0,094	10	541-82.0KCCT-ND	0,047	10	603-RC0805FR-0782KL	0,014	10	223-0685
2	1K8		0805	R5, R20	2447595	MCWR08X1801FT L	0,009	10	A129752CT-ND	0,028	10	652-CR0805JW-182ELF	0,008	10	223-0461
2	3R3		0805	R57, R60	2447656	MCWR08W3R30F TL	0,012	10	RMCF0805FT3R 30CT-ND	0,020	10	603-RC0805FR-073R3L	0,020	10	794-4140
1	316K		0805	R64	2695035	MCWR08X3163FT L	0,009	10	311-316KCRCT-ND	0,036	10	667-ERJ-6ENF3163V	0,037	10	-
1	3K3		0805	R71	2447651	MCWR08X3301FT L	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	RMCF0805FT22 0RCT-ND	0,020	10	603-RC0805FR-13220RL	0,020	10	223-0332

#	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 €
0	Option #2: IPB144N12N3G	IPB144N12N3G ATMA1		1,166	10	IPB144N12N3GATMA1	1,090	1						0,000
0	Option #3: SUD80460E-GE					-								
5	220K		CRG1206F220K	0,004	50	CRCW1206220KFKTA BC	0,031	100		5	RS	0,004 €	5	0,020
2	16K		CRCW080516K0FKEA	0,041	50	SMD0805-16K-1%	0,022	100		2	Mouser	0,014 €	2	0,028
1	5K1		CRCW08055K10FKEA	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		CRCW080547K0FKEA	0,036	50	RC0805FR-0747K	0,022	100		4	Farnell	0,009 €	4	0,038
4	750R		CRCW0805750RFKEA	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		CRCW0805100RFKEA	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

#	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	
2	100K		0805	R9, R42	2447551	MCWR08X1003FT L	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	X2	2425045	39-30-1039	0,453	10	WM18442-ND	0,570	1	538-39-30-1039	0,430	1	670-5751
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	360-6651
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	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												
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					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 €
	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
	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	0,000 €		0,000
1	MMBT5401		MMBT5401LT1G	0,153	10	MMBT5401	0,024	25	1		TME	0,024 €		0,000
6	N.C.								6		Farnell	0,000 €		0,000
2	6K8		CRG0805F6K8	0,006	50	SMD0805-6K8-1%	0,022	100	2		RS	0,006 €		0,000
7									7		Farnell	0,000 €		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

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 €