

EEZ CF-DIC BOM (r5B7, 2019-03-03)
Project source code at <https://github.com/eez-open/CF-DIC>

#	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	1	GBU4K	THT, bridge rectifier 800V, 4A	B1	2889169	GBU4K-E3/45	1,150	5	GBU4K-BPMS-ND	0,750	1	833-GBU4K-BP	0,748	1
2	5	3n3	0805	C1, C9, C15, C17, C22	2896578	VJ0805Y332KXAC W1BC	0,025	10	1276-1260-1-ND	0,039	10	80-C0805C332K5R	0,024	10
3	1	1n/1kV	1210 or 1206	C14	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	C16	1831309	400BXC6R8MEFC 10X16	0,868	1	493-13319-1-ND	0,730	1	647-UCY2G6R8MPD	0,629	1
5	3	4u7	1206	C19, C25, C66	1907356	C3216X7R1E475K 160AC	0,240	5	1276-2970-1-ND	0,199	10	963-EMK316B7475M L-T	0,129	10
6	2	MKP-X2-220NR15/310	THT, PP X2, 18 x 12 x 6 mm, RM 15	C2, C3	2446244	R463I322050L2K	0,337	1	399-12681-ND	0,600	1	80-R463I322050L2K	0,600	1
7	16	100n	0603	C21, C30, C32, C33, C37, C39, C40, C43, C45, C48, C52, C54, C65, C72, C74, C76	2522597	C0603C104K4RAC 7081	0,011	10	490-4774-1-ND	0,029	100	80-C0603C104M4R	0,007	100
8	1	470u/16V	THT; Ø8; RM3.5	C23	2346502	16PK470MEFC8X1 1.5	0,206	5	493-1286-ND	0,215	10	647-UVZ1C471MPD1 TD	0,194	10
9	1	33n	0805	C26	1414688	C0805C333K5RAC TU	0,051	10	1276-1796-1-ND	0,068	10	77-VJ0805Y333JXA PBC	0,020	50
10	4	47p/200V	0805, C0G	C27, C59, C71, C75	2812527	885342007006	0,081	10	885342007006	0,058	10	710-885342007006	0,055	10
11	3	2n2	0805	C28, C49, C73	2896572	VJ0805Y222KXAC W1BC	0,028	10	720-1604-1-ND	0,063	10	77-VJ0805Y222KXB AC	0,032	50
12	4	10n	0603	C31, C38, C47, C51	2522596	C0603C103K5RAC 7081	0,042	10	399-1092-1-ND	0,040	10	80-C0603C103M5R 3121	0,031	10
13	2	UPH2G151MHD6	THT, Ø18mm, RM 7.5	C34, C35	-				493-16993-ND	3,550	1	647-UPH2G151MHD	3,550	1
14	2	100n/500V	1812	C36, C42	2676599	C1812C104KBRAC TU	0,600	1	445-2300-1-ND	0,453	10	810-C4532X7R2J104 M	0,408	10
15	3	2n2/1kV	1210 or 1206	C41, C63, C70	1855965	MC1210B222K102 CT	0,496	5	490-12018-1-ND	0,502	10	710-885342208019	0,121	10
16	5	EEEFK1V470P	Ø6.3 x 5.8 mm	C5, C11, C12, C18, C24	9695850	EEEFK1V470P	0,344	1	PCE3842CT-ND	0,312	10	667-EEE-FK1V470P	0,238	10
17	2	100p	0805, C0G	C50, C77	2896466	VJ0805A101JXAC W1BC	0,041	10	399-1121-1-ND	0,061	10	80-C0805C101J5G	0,022	10
18	1	UVZ1J222MHD	THT, Ø18 x 35.5mm, RM 7.5	C57	1822575	UVZ1J222MHD	3,430	1	493-1360-ND	2,370	1	647-UVZ1J222MHD	2,490	1
19	2	1u/100V	1206	C58, C61	2491179	C1206C105K1RAC TU	0,374	5	1276-3094-1-ND	0,240	10	963-HMK316B7105M LHT	0,306	10
20	9	1u	0805	C6, C10, C13, C29, C44, C46, C53, C56, C80	2896566	VJ0805Y105KXXT W1BC	0,084	5	587-1283-1-ND	0,090	10	603-CC805MKX7R7B B105	0,062	10

#	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	1	GBU4K	700-5437	GBU4K-E3/45	1,448	5	GBU4K	0,355	3	1		TME	0,355 €	1	0,355
2	5	3n3	237-7009	GRM216R71H3 32KA01D	0,060	50	VJ0805Y333KXACW1 BC	0,023	100		5	TME	0,023 €	5	0,116
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	3	4u7	691-1221	C1206C475K3R ACTU	0,232	25	GCM31CR71E475KA5 5L	0,381	10		3	Mouser	0,129 €	3	0,387
6	2	MKP-X2-220NR15/310	875-2257	R463I322050M2 K	0,372	25	MKP-X2-220NR15/310	0,116	10	2		TME	0,116 €	2	0,231
7	16	100n	393-6952	VJ0603Y104KXJ AT	0,069	25	CL10B104KA8NNNC	0,098	100		16	Mouser	0,007 €	16	0,112
8	1	470u/16V	845-4666	UVZ1C471MPD	0,215	25	UVZ1C471MPD	0,140	5	1		TME	0,140 €	1	0,140
9	1	33n	652-0982	VJ0805Y333KX AAT	0,066	25	CL21B333KBANNNC	0,035	100		1	Mouser	0,020 €	1	0,020
10	4	47p/200V	535-2873	VJ0805A470JX CAC	0,039	50	0805N470J201CT	0,031	100		4	TME	0,031 €	4	0,123
11	3	2n2	264-4359	C0805C222K5R ACTU	0,031	25	VJ0805Y222KXACW1 BC	0,020	100		3	TME	0,020 €	3	0,059
12	4	10n	264-4595	C0603C103K5R ACTU	0,035	25	C0603X103K5RACTU	0,080	100		4	Mouser	0,031 €	4	0,124
13	2	UPH2G151MHD6	-				UPH2G151MHD6	1,950	1	2		TME	1,950 €	2	3,900
14	2	100n/500V	371-6887	C4532JB2J104K	0,460	10	1812B104K501CT	0,663	10		2	Mouser	0,408 €	2	0,816
15	3	2n2/1kV	723-6492	GRM31BR73A2 22KW01L	0,246	25	1206B222K102CT	0,030	50		3	TME	0,030 €	3	0,089
16	5	EEEFK1V470P	537-0657	EEEFK1V470P	0,394	5	EEEFK1V470P	0,130	5		5	TME	0,130 €	5	0,650
17	2	100p	461-3997	CC0805JRNPO9 BN101	0,017	25	VJ0805A101JXACW1 BC	0,024	100		2	RS	0,017 €	2	0,034
18	1	UVZ1J222MHD	862-1759	UVZ1J222MHD	2,440	1	UVZ1J222MHD	1,209	2	1		TME	1,209 €	1	1,209
19	2	1u/100V	916-2977	C3216X7R2A10 5K160AM	0,290	20	CL31B105KCHSNNE	0,211	10		2	TME	0,211 €	2	0,422
20	9	1u	451-5770	C0805C105K4R ACTU	0,028	25	CL21B105KOFNNNE	0,010	100		9	TME	0,010 €	9	0,094

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	Qty	Part name	Package	Reference designator	Code	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ
21	1	HHXC630ARA330MHA0G	Ø8 x 10 mm	C60	-				565-4788-1-ND	0,890	1	HHXC630ARA330MHA0G	0,770	1
22	1	100n/100V	1206	C62	2896560	VJ0805Y104KXBTW1BC	0,070	10	1276-6840-1-ND	0,068	10	810-C2012X7R2A104K	0,065	10
23	3	CY1Y-4N7	THT, Ceramic Y1, RM 10	C7, C8, C20	2440246	C951U472MVVDBA7317	0,772	1	399-9504-1-ND	0,293	10	80-C941U472MYVD BAP	0,215	10
24	1	1n	0805, C0G	C78	2896470	VJ0805A102JXACW1BC	0,044	10	732-7858-1-ND	0,055	10	710-885012007040	0,052	10
25	6	SS110B	SMB	D1, D2, D3, D5, D6, D7	1861422	SS110B	0,097	5	SS110-TPCT-ND	0,350	1	833-SS110FL-TP	0,323	1
26	3	C3D02065E	TO-252 (DPAK)	D10, D16, D19	-				C3D02065E-ND	0,860	1	941-C3D02065E	0,859	1
27	1	C3D03060A	THT, TO-220	D12	-				C3D03060A-ND	1,250	1	941-C3D03060A	1,240	1
28	1	1N5819HW-7-F	SOD-323	D13	2306459	1N5819HW-7-F	0,183	10	1N5819HW-FDICT-ND	0,310	10	621-1N5819HW-F	0,281	10
29	2	US1K-DIO	DO-214AA	D4, D15	2306342	US1K-13-F	0,146	1	US1K-FDICT-ND	0,340	1	621-US1K-F	0,366	1
30	9	BAS316	SOD-323	D8, D9, D17, D18, D21, D23, D24, D25, D26	8734275	BAS316,115	0,193	5	1727-7370-1-ND	0,120	1	771-BAS316-T/R	0,179	1
31	1	VIPer35L	SOIC-16	IC1	2612169	VIPER35LD	1,130	1	497-16075-5-ND	1,040	1	511-VIPER35LD	1,040	1
32	1	SI8233BB-D-IS1	SOIC-16	IC2	2423138	SI8233BB-D-IS1	2,460	1	336-3066-ND	2,050	1	634-SI8233BB-D-IS1	2,410	
33	1	LM5041B	TSSOP-16	IC3	-				LM5041BMTC/N OPB-ND	3,110	1	926-LM5041BMTC/N OPB	3,090	1
34	2	LM258D	SOIC-8	IC4, IC6	2323288	LM258D	0,274	5	296-14591-1-ND	0,271	10	595-LM258DR	0,248	10
35	1	IR11688STRPBF	SOIC-8	IC5	2780950	IR11688STRPBF	1,520	1	IR11688STRPBF CT-ND	1,680	1	942-IR11688STRPBF	1,550	1
36	1	TL103W	SOIC-8	IC7	1755223	TL103WID	0,665	1	296-18862-1-ND	0,610	1	595-TL103WID	0,706	1
37	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
38	4	DLG-0403-180	0403 inductor	L2, L4, L5, L6	SDR0403-180ML	SDR0403-180M	0,404	5	SDR0403-180MLCT-ND	0,424	10	652-SDR0403-180ML	0,272	10
39	2	60B684C	Murata power inductor 6000B	L7, L8	2290311	60B684C	5,140	1	811-2466-ND	2,540	1	580-60B684C	2,520	1
40	1	3u3/5A	Vishay power inductor	L9	1741325	IHLP2020CZER3R3M11	1,940	5	541-1237-1-ND	2,040	1	70-IHLP2020CZER3R3M1	2,140	1
41	1	L-934EB/1Y1ID-R	0805	LED1	-				-			-		
42	3	TLP291-GB.SE-T	SOIC-4	OK1, OK2, OK3	2524307	TLP291(GB,SE	0,196	1	-			-		
43	1	MMBT5551	SOT-23	Q1	1459109	MMBT5551LT1G	0,154	5	MMBT5551LT1G OSCT-ND	0,180	1	863-MMBT5551LT1G	0,170	1
44	2	C3M0280090D	THT, TO-247	Q2, Q3	2630827	C3M0280090D	3,710	1	C3M0280090D-ND	3,110	1	941-C3M0280090D	2,950	1
45	1	NYC0102BLT1G	SOT-23	Q4	2533159	NYC0102BLT1G	0,360	5	NYC0102BLT1G OSCT-ND	0,430	1	863-NYC0102BLT1G	0,472	1
46	2	IRFP4332PBF	THT, TO-247	Q5, Q6	1436966	IRFP4332PBF	3,820	1	IRFP4332PBF-ND	4,280	1	942-IRFP4332PBF	3,670	1
47	2	Option #1: FDD86250-F085	TO-252 (DPAK)	Q7, Q8	2895710	FDD86250-F085	1,510	5	FDD86250-F085OSCT-ND	1,590	1	863-FDD86250-F085	1,280	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	1	HHXC630ARA330MHA0 - G					-				1	Mouser	0,770 €	1	0,770
22	1	100n/100V		C2012X7R2A10 4M125AA	0,047	100	CL21B104KCFSENE	0,071	10		1	RS	0,047 €	1	0,047
23	3	CY1Y-4N7	-				CY1Y-4N7	0,153	10	3		TME	0,153 €	3	0,458
24	1	1n	723-6408	GRM2195C1H1 02JA01D	0,031	100	CL21C102JBCNNNC	0,026	100		1	TME	0,026 €	1	0,026
25	6	SS110B	743-5992	SS110 R3	0,154	25	SS110-JGD	0,053	5	6		TME	0,053 €	6	0,319
26	3	C3D02065E	915-8846	C3D02065E	0,869	10	C3D02065	0,620	3	3		TME	0,620 €	3	1,860
27	1	C3D03060A	702-7447	C3D03060A	1,260	1	C3D03060A	0,850	2	1		TME	0,850 €	1	0,850
28	1	1N5819HW-7-F	708-2197	1N5819HW-7-F	0,252	25	1N5819HW-7-F	0,086	10		1	TME	0,086 €	1	0,086
29	2	US1K-DIO	751-5130	US1K-13-F	0,106	25	US1K-DIO	0,067	10	2		TME	0,067 €	2	0,135
30	9	BAS316	397-2914	BAS316,115	0,122	50	BAS316,115	0,026	25	9		TME	0,026 €	9	0,238
31	1	VIPer35L	124-1146	VIPER35LDTR	1,544	5	-				1	Digikey	1,040 €	1	1,040
32	1	SI8233BB-D-IS1	-				-				1	Digikey	2,050 €	1	2,050
33	1	LM5041B	-				-				1	Mouser	3,090 €	1	3,090
34	2	LM258D	660-9555	LM258DGKR	0,244	10	LM258D-ST	0,114	5	2		TME	0,114 €	2	0,227
35	1	IR11688STRPBF	-				IR11688STRPBF	1,580	1		1	Farnell	1,520 €	1	1,520
36	1	TL103W	809-5334	TL103WID	0,692	5	-				1	Digikey	0,610 €	1	0,610
37	1	RN214-2.5-02-3M3	133-6257	RN214-2.5-02-3M3	1,742	1	-			1		Mouser	1,460 €	1	1,460
38	4	DLG-0403-180	798-0938	SDR0403-180ML	0,336		DLG-0403-180	0,129	10	4		TME	0,129 €	4	0,514
39	2	60B684C	749-6427	60B684C	2,650	1	-			2		Mouser	2,520 €	2	5,040
40	1	3u3/5A	-				HPI0630-3R3	0,335	1		1	TME	0,335 €	1	0,335
41	1	L-934EB/1Y1ID-R	-				L-934EB/1Y1ID-R	0,290	1		1	TME	0,290 €	1	0,290
42	3	TLP291-GB.SE-T	144-5264	TLP291(GB-TP,SE(T	0,116	50	TLP291-GB.SE-T	0,126	5	3		RS	0,116 €	3	0,348
43	1	MMBT5551	545-0400	MMBT5551LT1 G	0,146	10	MMBT5551	0,024	25		1	TME	0,024 €	1	0,024
44	2	C3M0280090D	915-8842	C3M0280090D	3,100	2	-			2		Mouser	2,950 €	2	5,900
45	1	NYC0102BLT1G	808-3993	NYC0102BLT1G	0,268	50	NYC0102BLT1G-LF	0,166	3		1	TME	0,166 €	1	0,166
46	2	IRFP4332PBF	-				IRFP4332PBF	1,790	1	2		TME	1,790 €	2	3,580
47	2	Option #1: FDD86250-F085	-				-				2	Mouser	1,280 €	2	2,560

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	Qty	Part name	Package	Reference designator	Code	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ
	0	Option #2: SUD80460E-GE	TO-252 (DPAK)	Q7, Q8	2708325	SUD80460E-GE3	1,010	5	SUD80460E-GE3-ND	0,970	1	78-SUD80460E-GE3	0,840	1
48	2	BC856C	SOT-23	Q9, Q10	2453815	BC856CMTF	0,135	5	BC856CMTFCT-ND	0,151	10	512-BC856CMTF	0,118	10
49	6	120R	0805	R1, R5, R10, R12, R15, R66	2447561	MCWR08X1200FTL	0,009	10	RMCF0805FT120RCT-ND	0,020	10	71-CRCW0805120RFKEAC	0,037	10
50	3	30K	0805	R16, R33, R62	2303701	ERJ6ENF3002V	0,058	10	P30.0KCCT-ND	0,085	10	603-RC0805FR-0730KL	0,014	10
51	15	1K	0805	R17, R21, R41, R44, R54, R56, R57, R61, R64, R65, R69, R75, R82, R85, R89	1099800	WCR0805-1K0FI	0,019	10	RC0805FR-071KL	0,039	10	603-RC0805FR-071KL	0,015	10
52	2	220K	1206	R2, R3	2861964	CRGCQ1206J220K	0,012	10	311-220KFRCT-ND	0,069	10	791-WR12X2203FTL	0,015	10
53	2	47K	0805	R20, R38	2447664	MCWR08X4702FTL	0,009	10	RHM47KKCT-ND	0,036	10	603-RC0805FR-0747KL	0,014	10
54	11	10R	0805	R23, R25, R35, R36, R43, R45, R49, R53, R71, R72, R74	9236643	RC1206FR-0710RL	0,050	10	311-10.0CRCT-ND	0,071	10	603-RC1206FR-0710RL	0,034	10
55	6	10K	0805	R24, R63, R77, R81, R95, R96	9237755	RC0805FR-0710KL	0,022	10	311-10.0KCRCT-ND	0,039	10	603-RC0805FR-0710KL	0,014	10
56	2	100R	0805	R28, R29	2447552	MCWR08X1000FTL	0,094	10	311-100CRCT-ND	0,039	10	RC0805FR-07100RL	0,014	10
57	5	22R/2-3W	2512	R30, R32, R40, R67, R76	2116456	RLP73K3AR22JTE	0,380	5	A126461CT-ND	0,409	10	279-352122RFT	0,122	10
58	5	86K6	0805	R31, R47, R48, R60, R73	2303750RL	ERJ6ENF8662V	0,058	10	311-86.6KCRCT-ND	0,036	10	603-RT0805FRE0786K6L	0,056	10
59	2	1R	0805	R34, R39	2447598	MCWR08W1R00FTL	0,012	10	311-1.00CRCT-ND	0,071	10	603-RC0805FR-131RL	0,020	10
60	4	1K8	0805	R4, R18, R84, R87	2447595	MCWR08X1801FTL	0,009	10	A129752CT-ND	0,028	10	652-CR0805JW-182ELF	0,008	10
61	1	8K2	0805	R46	2447732	MCWR08X8201FTL	0,010	10	311-8.20KCRCT-ND	0,037	10	652-CR0805FX-8201ELF	0,013	10
62	1	15K	0805	R50	1099808	WCR0805-15KFI	0,019	10	A126341CT-ND	0,041	10	71-CRCW080515K0FKEBC	0,013	10
63	1	68K	0805	R52	2861918	CRGCQ0805J68K	0,010	10	A126382CT-ND	0,045	10	652-CR0805FX-6802ELF	0,013	10
64	1	6R2	0805	R55	2447714	MCWR08W6R20FTL	0,012	10	311-6.20CRCT-ND	0,070	10	603-RC0805FR-076R2L	0,020	10
65	2	5K6	0805	R59, R90	2447693	MCWR08X5601FTL	0,010	10	RC0805FR-075K6L	0,040		RC0805FR-075K6L	0,027	
66	6	4K7	0805	R6, R7, R19, R51, R58, R83	2861530	CRGCQ0805F4K7	0,012	10	311-4.70KCRCT-ND	0,040	10	603-RC0805FR-074K7L	0,027	10
67	2	470R	0805	R78, R79	1099798	WCR0805-470RFI	0,019	10	311-470CRCT-ND	0,039	10	71-CRCW0805470RFKEB	0,041	10
68	7	100K	1206, min. 200 V	R8, R9, R11, R13, R14, R22, R27	2861962	CRGCQ1206J100K	0,014	10	311-100KFRCT-ND	0,064	10	279-CRGH1206F100K	0,029	10

#	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 €
	0	Option #2: SUD80460E-GE	-				-					Mouser	0,840 €	0	0,000
48	2	BC856C	807-5061	BC856CMTF	0,090	200	BC856C-DIO	0,027	20		2	TME	0,027 €	2	0,054
49	6	120R	223-0304	CRG0805F120R	0,035	50	SMD0805-120R-1%	0,022	100		6	Farnell	0,009 €	6	0,056
50	3	30K	-				SMD0805-30K-1%	0,022	100		3	Mouser	0,014 €	3	0,042
51	15	1K	223-0427	CRG0805F1K0	0,017	50	RC0805FR-071K	0,022	100		15	Mouser	0,015 €	15	0,225
52	2	220K	223-2574	CRG1206F220K	0,004	50	CRCW1206220KFKA BC	0,031	100		2	RS	0,004 €	2	0,008
53	2	47K	679-1434	CRCW080547K 0FKEA	0,036	50	RC0805FR-0747K	0,022	100		2	Farnell	0,009 €	2	0,019
54	11	10R	740-9085	CR1206-FX- 10R0ELF	0,036	50	CRCW120610R0FKA BC	0,031	100		11	TME	0,031 €	11	0,341
55	6	10K	125-1189	CRG0805F10K	0,002	100	RC0805FR-0710K	0,022	100		6	RS	0,002 €	6	0,012
56	2	100R	679-0807	CRCW0805100 RFKEA	0,043	50	SMD0805-100R-1%	0,022	100		2	Mouser	0,014 €	2	0,028
57	5	22R/2-3W	224-0187	352022RJT	0,128	10	WF25P-22R-5%	0,072	50		5	TME	0,072 €	5	0,358
58	5	86K6	-				CRCW080586K6FKA BC	0,025	100		5	TME	0,025 €	5	0,125
59	2	1R	740-9151	CR0805-J/- 1R0ELF	0,027	50	SMD0805-1R-1%	0,032	100		2	Farnell	0,012 €	2	0,023
60	4	1K8	223-0461	CRG0805F1K8	0,022	50	SMD0805-1K8-1%	0,022	100		4	Mouser	0,008 €	4	0,032
61	1	8K2	223-0556	CRG0805F8K2	0,021	50	SMD0805-8K2-1%	0,014	100		1	Farnell	0,010 €	1	0,010
62	1	15K	223-0584	CRG0805F15K	0,023	50	SMD0805-15K	0,013	100		1	Mouser	0,013 €	1	0,013
63	1	68K	223-0663	CRG0805F68K	0,027	50	SMD0805-68K-1%	0,014	100		1	Farnell	0,010 €	1	0,010
64	1	6R2	-				RC0805JR-076R2	0,034	100		1	Farnell	0,012 €	1	0,012
65	2	5K6	679-1572	CRCW08055K6 0FKEA	0,029	50	SMD0805-5K6-1%	0,023	100		2	Farnell	0,010 €	2	0,019
66	6	4K7	223-0528	CRG0805F4K7	0,023	50	SMD0805-4K7-1%	0,023	100		6	Farnell	0,012 €	6	0,070
67	2	470R	223-0376	CRG0805F470R	0,021	50	RC0805FR-07470R	0,022	100		2	Farnell	0,019 €	2	0,038
68	7	100K	223-2524	CRG1206F100K	0,043	50	CRCW1206100KFKA BC	0,031	100		7	Farnell	0,014 €	7	0,097

#	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
69	1	150K	0805	R80	2447573	MCWR08X1503FT L	0,010	10		311-150KCRCT- ND	0,037	10	667-ERJ- 6ENF1503V	0,040	10
70	1	27K	0805	R86	2447620	MCWR08X2702FT L	0,092	10		311-27.0KCRCT- ND	0,037	10	603-RC0805FR- 0727KL	0,027	10
71	1	3K3	0805	R88	2447651	MCWR08X3301FT L	0,009	10		311-3.30KCRCT- ND	0,039	10	652-CR0805- FX3301GLF	0,013	10
72	1	7K5	0805	R91	2447722	MCWR08X7501FT L	0,010	10		311-7.50KCRCT- ND	0,040	10	667-ERJ- 6ENF7501V	0,040	10
73	1	220R	0805	R92	1099795	WCR0805-220RFI	0,019	10		RMCF0805FT22 0RCT-ND	0,020	10	603-RC0805FR- 13220RL	0,020	10
74	1	180K	0805	R97	2447582	MCWR08X1803FT L	0,010	10		311-180KCRCT- ND	0,037	10	652-CR0805FX- 1803ELF	0,013	10
75	2	39K	0805	R98, R100	1100325	WCR0805-39KFI	0,019	10		311-39.0KCRCT- ND	0,036	10	652-CR0805FX- 3902ELF	0,013	10
76	1	18K	0805	R99	2447584	MCWR08X1802FT L	0,010	10		RMCF0805FT18 K0CT-ND	0,024	10	652-CR0805FX- 1802ELF	0,013	10
77	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
78	1	39-30-3035	THT, Minifit Jr. 3-pin, right angle	X1	9963545	39303035	0,572	10		WM18446-ND	0,670	1	538-39-30-3035	0,672	1
79	1	22-05-7095	THT, SPOX, socket 9-pin, right angle	X2	-					WM18907-ND	1,090	1	538-22-05-7095	0,781	10
80	1	B2B-ZR	THT, 2-pin, 1.5mm	X3	9491775	B2B-ZR(LF)(SN)	0,071	100		455-1657-ND	0,150	1	-		
81	1	39-30-1020	THT, Minifit Jr. 2-pin, right angle	X4	9732080	39-28-1023	0,367	1		WM3800-ND	0,530	1	538-39-28-1023	0,530	1
82	1	BZT52C13	Zener SOD-123	ZD1	2306055	BZT52C13-7-F	0,106	10		BZT52C13- TPMSCT-ND	0,178	10	621-BZT52C13- 7-F	0,118	10
83	1	BZT52C20-DC	Zener SOD-123	ZD2	2824935	SZMMSZ5250BT1 G	0,047	5		1727-8128-1-ND	0,180	1	621-BZT52C20- 13-F	0,170	1
84	2	MMSZ5V1T1G	Zener SOD-123	ZD3	1431291	MMSZ5V1T1G	0,158	5		MM3Z5V1ST1G OSCT-ND	0,140	1	621- DDZ5V1BSF-7	0,170	1
85	1	BZT52C6V2	Zener SOD-123	ZD4	1902438	BZT52C6V2	0,106	25		1727-7698-1-ND	0,166	10	771-BZT52- C6V2X	0,151	10

Custom made components and accessories															
1	NTCALUG03A103HC	NTC 10K 3%, mini Lug with connector	NTC1		2885270	NTCALUG03A103 HC	1,960	1		BC2382-ND	2,340	1	594- NTCALUG03A10 3HC	1,550	1
1	TO-220 insulation cover or tube	Insulation cover for D12	-	-						-			-		
4	TO-247 insulation cover or tube	Insulation cover for Q2, Q3, Q5, Q6	-												
5	Heatsink clamp	Clamp with M3 for D12, Q2, Q3, Q5, Q6	-												
3	Countersunk head screw M3x12mm	Clamp fixing for D12, Q2, Q3													
8	Cheese head screw M3x5	Clamp fixing for Q5, Q6, spacer sleeve fixing (2 of 4), top cover fixing	-												

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 €
69	1	150K	223-0714	CRG0805F150K	0,023	50	SMD0805-150K-1%	0,023	100		1	Farnell	0,010 €	10	0,097
70	1	27K	223-0613	CRG0805F27K	0,026	50	SMD0805-27K-1%	0,014	100		1	TME	0,014 €	10	0,145
71	1	3K3	223-0499	CRG0805F3K3	0,027	50	SMD0805-3K3-1%	0,022	100		1	Farnell	0,009 €	1	0,009
72	1	7K5	679-1686	CRCW08057K5 0FKEA	0,038	50	SMD0805-7K5-1%	0,023	100		1	Farnell	0,010 €	10	0,097
73	1	220R	223-0332	CRG0805F220R	0,018	50	SMD0805-220R-1%	0,022	100		1	RS	0,018 €	1	0,018
74	1	180K	223-0720	CRG0805F180K	0,045	50	SMD0805-180K-1%	0,014	100		1	Farnell	0,010 €	1	0,010
75	2	39K	679-1336	CRCW080539K 0FKEA	0,038	50	SMD0805-39K-1%	0,023	100		2	Mouser	0,013 €	2	0,026
76	1	18K	223-0590	CRG0805F18K	0,023	50	SMD0805-18K-1%	0,014	100		1	Farnell	0,010 €	1	0,010
77	1	53100C	715-7037	53100C	1,480	1	-				1	RS	1,480 €	1	1,480
78	1	39-30-3035	670-5849	39-30-3035	0,536	5	MX-5569-03A4	0,555	1	1		RS	0,536 €	1	0,536
79	1	22-05-7095	687-8118	22-05-7095	0,227	10	-			1		RS	0,227 €	1	0,227
80	1	B2B-ZR	762-0800	B2B-ZR(LF)	0,520	5	B2B-ZR	0,214	5	1		Farnell	0,071 €	1	0,071
81	1	39-30-1020	484-1883	39-30-102	0,354	5	MX-5566-02A	0,104	5	1		TME	0,104 €	1	0,104
82	1	BZT52C13	822-2194	BZT52C13-7-F	0,067	200	BZT52C13-7-F	0,022	25		1	TME	0,022 €	1	0,022
83	1	BZT52C20-DC	822-2214	BZT52C20S-7-F	0,093	100	BZT52C20-DC	0,052	10		1	Farnell	0,047 €	1	0,047
84	2	MMSZ5V1T1G	544-9753	MMSZ5V1T1G	0,109	50	MMSZ5V1T1G	0,023	25		2	TME	0,023 €	2	0,046
85	1	BZT52C6V2	751-3806	BZT52C6V2-7-F	0,044	100	BZT52C6V2-7-F	0,022	25		1	TME	0,022 €	1	0,022
										21	207	47,56 €			

Custom made componen															
1	NTCALUG03A103HC	179-3922	NTCALUG03A1 03HC	1,670	10	-						Mouser	1,550 €	1	1,550
1	TO-220 insulation cover or tube	-				TO-220	0,374	1				TME	0,374 €	1	0,374
4	TO-247 insulation cover or tube					WSC-247	0,290	5				TME	0,290 €	4	1,160
5	Heatsink clamp					TRK-2	0,114	10				TME	0,114 €	5	0,569
3	Countersunk head screw M3x12mm					M3X12/D965B	0,014	100							
8	Cheese head screw M3x5					M3X5/D7985-A2	0,009	100				TME	0,009 €	8	0,073

#	Qty	Part name	Package	Reference designator	Code	Farnell / Element14			Digi-Key			Mouser		
						Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ
2		Countersunk head screw M3x5mm	L-profile thermal bridge fixing -											
1		Custom QR Flyback	85-265V AC, AUX+4 outputs, EF-20 bobbin, Feryster TI-EF20-6-7-2x12-8W	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, Feryster TI-RTN-27-28-2X14	TR3										
1		PCB 2-layer 155 x 90 mm	ALLPCB.com	-										
1		Metal enclosure	Custom made enclosure with two heatsink plates	-										

Not installed / optional														
2	100n	0603		C4, C55	2522597	C0603C104K4RAC7081	0,011	10	490-4774-1-ND	0,029	100	80-C0603C104M4R	0,007	100
2	N.C.	THT, Ceramic Y1, RM 10		C4A, C5A										
1	N.C.	1206		C64										
3	4n7/200V	1206		C67, C68, C69	1855870	MC1206B472K201CT	0,149	5	478-10870-1-ND	0,283	10	581-12062C472JAT2A	0,247	10
1	4u7	1206, tant.		C79	2321209	T491A475K006AT	0,421	5	399-9717-1-ND	0,259	10	80-T491A475K006AT	0,184	10
1	N.C.	0805		C81										
4	N.C.	SOD-323		D11, D14, D20, D22										
1	RLB0812-471KL	SMD; 470 uH		L3	-				RLB0812-471KL-ND	0,136	1	652-RLB0812-471KL	0,238	1
1	T910W-50K	THT, multiturn potentiometer		P1										
5	N.C.	0805		R16, R27, R38, R94, R95										
1	N.C.	1210		R69										
2	N.C.	2512		R43, R71										
1	Test pin	THT, test pin		TP1										
1	SMAJ58A-TR	DO-214AC		ZD5										

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	Code	Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ			Best Supplier	Lowest unit price €	Order Qty	Line Cost €
2	Countersunk head screw M3x5mm						M3X5/D965	0,010	100		TME	0,010 €	2	0,019	
1	Custom QR Flyback										Feryster	2,700 €	1	2,700	
1	Custom CF-DIC transformer										Feryster	5,600 €	1	5,600	
1	PCB 2-layer 155 x 90 mm										ALLPCB	4,800 €	1	4,800	
1	Metal enclosure										Varisom		1	0,000	
16,84 €															

Not installed / optional															
	2	100n	393-6952	VJ0603Y104KXJ AT	0,069	25	CL10B104KA8NNNC	0,098	100		2	Mouser	0,007 €	2	0,014
	2	N.C.									2	Farnell	0,000 €		0,000
	1	N.C.									1	Farnell	0,000 €	1	0,000
	3	4n7/200V	669-8644	223893115632	0,048	25	1206B472K501CT	0,105	100		3	RS	0,048 €	3	0,144
	1	4u7	538-2335	T491A475K006 AT	0,337	10	T491A475K006AT	0,094	10		1	TME	0,094 €	1	0,094
	1	N.C.									1	Farnell	0,000 €	1	0,000
	4	N.C.									4	Farnell	0,000 €		0,000
	1	RLB0812-471KL	-				COIL0608-0.47	0,174	10	1		Digikey	0,136 €	1	0,136
	1	T910W-50K					T910W-50K	0,252	5	1		TME	0,252 €		0,000
	5	N.C.									5	Farnell	0,000 €	5	0,000
	1	N.C.									1				
	2	N.C.									2	Farnell	0,000 €	2	0,000
	1	Test pin					TEST-5	0,082	10	7		TME	0,082 €		0,000
	1	SMAJ58A-TR									1	Farnell	0,000 €		0,000

Total 64,41 €