

EEZ CF-DIC BOM (r5B6, 2019-01-06)
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	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	15	100n	0603	C21, C30, C32, C33, C37, C39, C40, C45, C48, C52, C54, C65, C71, C73, C75	2522597	C0603C104K4RAC 7081	0.011	10	490-4774-1-ND	0.029	100	80-C0603C104M4R	0.007	100
8	1	1500u	THT, Ø10.5 or 12mm, RM 5	C23	1712578	16ZLH1500MEFC1 0X20	0.538	5	UHD1C152MHD	0.660	1	647-UHD1C152MHD	0.638	1
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	3	100p	0805, C0G	C27, C50, C76	2896466	VJ0805A101JXAC W1BC	0.041	10	399-1121-1-ND	0.061	10	80-C0805C101J5G	0.022	10
11	2	2n2	0805	C28, C49	2896572	VJ0805Y222KXAC W1BC	0.028	10	720-1604-1-ND	0.063	10	77-VJ0805Y222KXB AC	0.032	50
12	5	10n	0603	C31, C38, C43, 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	4n7/200V	1206	C41, C63, C70	1855870	MC1206B472K201 CT	0.149	5	478-10870-1-ND	0.283	10	581-12062C472JAT2 A	0.247	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	1	UPW1J152MHD	THT, Ø18mm, RM 7.5	C57	2479585	UPW1J152MHD1T N	1.300	1	493-1959-ND	1.710	1	647-UPW1J152MHD	1.700	1
18	2	1u/100V	1206	C59, C61	2491179	C1206C105K1RAC TU	0.374	5	1276-3094-1-ND	0.240	10	963-HMK316B7105M LHT	0.306	10
19	9	1u	0805	C6, C10, C13, C29, C44, C46, C53, C56, C79	2896566	VJ0805Y105KXXT W1BC	0.084	5	587-1283-1-ND	0.090	10	603-CC805MKX7R7B B105	0.062	10
20	1	HHXC630ARA330MHA0G	Ø8 x 10 mm	C60	-				565-4788-1-ND	0.890	1	HHXC630ARA33 0MHA0G	0.770	1

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#	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	15	100n	393-6952	VJ0603Y104KXJ AT	0.069	25	CL10B104KA8NNNC	0.098	100		15	Mouser	0.007 €	15	0.105
8	1	1500u	708-3563	EEUFR1A152	0.338	10	UPS1C152MHD	0.417	5	1		RS	0.338 €	1	0.338
9	1	33n	652-0982	VJ0805Y333KX AAT	0.066	25	CL21B333KBANNNC	0.035	100		1	Mouser	0.020 €	1	0.020
10	3	100p	461-3997	CC0805JRNPO9 BN101	0.017	25	VJ0805A101JXACW1 BC	0.024	100		3	RS	0.017 €	3	0.051
11	2	2n2	264-4359	C0805C222K5R ACTU	0.031	25	VJ0805Y222KXACW1 BC	0.020	100		2	TME	0.020 €	2	0.039
12	5	10n	264-4595	C0603C103K5R ACTU	0.035	25	C0603X103K5RACTU	0.080	100		5	Mouser	0.031 €	5	0.155
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	4n7/200V	669-8644	223893115632	0.048	25	1206B472K501CT	0.105	100		3	RS	0.048 €	3	0.144
16	5	EEEFK1V470P	537-0657	EEEFK1V470P	0.394	5	EEEFK1V470P	0.130	5		5	TME	0.130 €	5	0.650
17	1	UPW1J152MHD	715-2981	UPW1J152MHD	2.215	2	UPW1J152MHD	1.652	1	1	1	Farnell	1.300 €	1	1.300
18	2	1u/100V	916-2977	C3216X7R2A10 5K160AM	0.290	20	CL31B105KCHSNNE	0.211	10		2	TME	0.211 €	2	0.422
19	9	1u	451-5770	C0805C105K4R ACTU	0.028	25	CL21B105KOFNNNE	0.010	100		9	TME	0.010 €	9	0.094
20	1	HHXC630ARA330MHA0 G	-				-				1	Mouser	0.770 €	1	0.770

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21	1	100n/100V	1206	C62	2896560	VJ0805Y104KXBT W1BC	0.070	10	1276-6840-1-ND	0.068	10	810- C2012X7R2A104 K	0.065	10
22	3	CY1Y-4N7	THT, Ceramic Y1, RM 10	C7, C8, C20	2440246	C951U472MVVDB A7317	0.772	1	399-9504-1-ND	0.293	10	80- C941U472MYVD BAP	0.215	10
23	1	1n	0805, C0G	C72	2896470	VJ0805A102JXAC W1BC	0.044	10	732-7858-1-ND	0.055	10	710- 885012007040	0.052	10
24	1	47p	0805, C0G	C74	2896512	VJ0805A470GXJP W1BC	0.043	10	732-7818-1-ND	0.043	10	77- VJ0805A470JXX CBC	0.080	50
25	1	470p	0805, C0G	C77	2497036	0805N471J101CT	0.045		732-7837-1-ND	0.057	10	77- VJ0805A471KXA AC	0.047	10
26	5	SS110B	SMB	D1, D2, D3, D4, D5	1861422	SS110B	0.097	5	SS110-TPCT-ND	0.350	1	833-SS110FL-TP	0.323	1
27	3	C3D02065E	TO-252 (DPAK)	D10, D16, D19	-				C3D02065E-ND	0.860	1	941-C3D02065E	0.859	1
28	1	C3D03060A	THT, TO-220	D12	-				C3D03060A-ND	1.250	1	941-C3D03060A	1.240	1
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	6	1N5819HW-7-F	SOD-323	D7, D11, D13, D14, D26, D27	2306459	1N5819HW-7-F	0.183	10	1N5819HW- FDICT-ND	0.310	10	621-1N5819HW- F	0.281	10
31	9	BAS316	SOD-323	D8, D9, D17, D18, D21, D23, D24, D25, D28	8734275	BAS316,115	0.193	5	1727-7370-1-ND	0.120	1	771-BAS316-T/R	0.179	1
32	1	VIper35L	SOIC-16	IC1	2612169	VIPER35LD	1.130	1	497-16075-5-ND	1.040	1	511-VIPER35LD	1.040	1
33	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	
34	1	LM5041B	TSSOP-16	IC3	-				LM5041BMTC/N OPB-ND	3.110	1	926- LM5041BMTC/N OPB	3.090	1
35	2	LM258D	SOIC-8	IC4, IC6	2323288	LM258D	0.274	5	296-14591-1-ND	0.271	10	595-LM258DR	0.248	10
36	1	IR11688STRPBF	SOIC-8	IC5	2780950	IR11688STRPBF	1.520	1	IR11688STRPBF CT-ND	1.680	1	942- IR11688STRPBF	1.550	1
37	1	TL103W	SOIC-8	IC7	1755223	TL103WID	0.665	1	296-18862-1-ND	0.610	1	595-TL103WID	0.706	1
38	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
39	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
40	2	60B684C	Murata power inductor 6000B	L7, L8	2290311	60B684C	5.140	1	811-2466-ND	2.540	1	580-60B684C	2.520	1
41	1	IHLP2020CZER3R3M11	Vishay power inductor	L9	1741325	IHLP2020CZER3R 3M11	1.940	5	541-1237-1-ND	2.040	1	70- IHLP2020CZER3 R3M1	2.140	1
42	1	L-934EB/1Y1ID-R	0805	LED1	-				-			-		
43	3	TLP291-GB.SE-T	SOIC-4	OK1, OK2, OK3	2524307	TLP291(GB,SE	0.196	1	-			-		
44	1	MMBT5551	SOT-23	Q1	1459109	MMBT5551LT1G	0.154	5	MMBT5551LT1G OSCT-ND	0.180	1	863- MMBT5551LT1G	0.170	1
45	2	C3M0280090D	THT, TO-247	Q2, Q3	2630827	C3M0280090D	3.710	1	C3M0280090D- ND	3.110	1	941- C3M0280090D	2.950	1

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21	1	100n/100V		C2012X7R2A10 4M125AA	0.047	100	CL21B104KCFSENE	0.071	10		1	RS	0.047 €	1	0.047
22	3	CY1Y-4N7	-				CY1Y-4N7	0.153	10	3		TME	0.153 €	3	0.458
23	1	1n	723-6408	GRM2195C1H1 02JA01D	0.031	100	CL21C102JBCNNNC	0.026	100		1	TME	0.026 €	1	0.026
24	1	47p	144-7413	CGA1A2C0G1E 470J030BA	0.024	250	C0805C470J5GACTU	0.019	100		1	TME	0.019 €	1	0.019
25	1	470p	264-4315	C0805C471J5G ACTU	0.063	25	VJ0805A471JXACW1 BC	0.033	100		1	TME	0.033 €	1	0.033
26	5	SS110B	743-5992	SS110 R3	0.154	25	SS110-JGD	0.053	5		5	TME	0.053 €	5	0.266
27	3	C3D02065E	915-8846	C3D02065E	0.869	10	C3D02065	0.620	3		3	TME	0.620 €	3	1.860
28	1	C3D03060A	702-7447	C3D03060A	1.260	1	C3D03060A	0.850	2	1		TME	0.850 €	1	0.850
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	6	1N5819HW-7-F	708-2197	1N5819HW-7-F	0.252	25	1N5819HW-7-F	0.086	10		6	TME	0.086 €	6	0.514
31	9	BAS316	397-2914	BAS316,115	0.122	50	BAS316,115	0.026	25		9	TME	0.026 €	9	0.238
32	1	VIPer35L	124-1146	VIPER35LDTR	1.544	5	-				1	Digikey	1.040 €	1	1.040
33	1	SI8233BB-D-IS1	-				-				1	Digikey	2.050 €	1	2.050
34	1	LM5041B	-				-				1	Mouser	3.090 €	1	3.090
35	2	LM258D	660-9555	LM258DGKR	0.244	10	LM258D-ST	0.114	5		2	TME	0.114 €	2	0.227
36	1	IR11688STRPBF	-				IR11688STRPBF	1.580	1		1	Farnell	1.520 €	1	1.520
37	1	TL103W	809-5334	TL103WID	0.692	5	-				1	Digikey	0.610 €	1	0.610
38	1	RN214-2.5-02-3M3	133-6257	RN214-2.5-02- 3M3	1.742	1	-			1	1	Mouser	1.460 €	1	1.460
39	4	DLG-0403-180	798-0938	SDR0403- 180ML	0.336		DLG-0403-180	0.129	10		4	TME	0.129 €	4	0.514
40	2	60B684C	749-6427	60B684C	2.650	1	-				2	Mouser	2.520 €	2	5.040
41	1	IHLP2020CZER3R3M11	-				-				1	Farnell	1.940 €	1	1.940
42	1	L-934EB/1Y1ID-R	-				L-934EB/1Y1ID-R	0.290	1		1	TME	0.290 €	1	0.290
43	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
44	1	MMBT5551	545-0400	MMBT5551LT1 G	0.146	10	MMBT5551	0.024	25		1	TME	0.024 €	1	0.024
45	2	C3M0280090D	915-8842	C3M0280090D	3.100	2	-			2		Mouser	2.950 €	2	5.900

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46	2	IPW60R120P7	THT, TO-247	Q5, Q6	2986489	IPW60R120P7XKS A1	3.290	1	IPW60R120P7X KSA1-ND	3.900	1	726- IPW60R120P7X KSA1	2.870	1
47	1	NYC0102BLT1G	SOT-23	Q4	2533159	NYC0102BLT1G	0.360	5	NYC0102BLT1G OSCT-ND	0.430	1	863- NYC0102BLT1G	0.472	1
48	2	Option #2: 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
	0	Option #1: 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
	0	Option #3: SUM90330E-GE3	TO-263 (D2PAK)	Q7, Q8	2785450	SUM90330E-GE3	1.690	1	SUM90330E- GE3CT-ND	1.520	1	78-SUM90330E- GE3	1.520	1
	0	Option #4: SUM90220E-GE3	TO-263 (D2PAK)	Q7, Q8	2729845	SUM90220E-GE3	2.400	1	SUM90220E- GE3CT-ND	2.690	1	78-SUM90220E- GE3	2.380	1
49	2	BC856C	SOT-23	Q9, Q10	2453815	BC856CMTF	0.135	5	BC856CMTFCT- ND	0.151	10	512-BC856CMTF	0.118	10
50	6	120R	0805	R1, R5, R10, R11, R14, R66	2447561	MCWR08X1200FT L	0.009	10	RMCF0805FT12 0RCT-ND	0.020	10	71- CRCW0805120R FKEAC	0.037	10
51	4	47K	0805	R16, R20, R38, R73	2447664	MCWR08X4702FT L	0.009	10	RHM47KKCT-ND	0.036	10	603-RC0805FR- 0747KL	0.014	10
52	13	1K	0805	R17, R21, R41, R44, R54, R56, R57, R61, R64, R65, R82, R85, R89	1099800	WCR0805-1K0FI	0.019	10	RC0805FR- 071KL	0.039	10	603-RC0805FR- 071KL	0.015	10
53	1	12K	0805	R18	1100220	WCR1206-12KFI	0.020	10	311-12.0KFRCT- ND	0.069	10	652-CR0805FX- 1202ELF	0.032	10
54	3	220K	1206	R2, R3, R9	2861964	CRGCQ1206J220 K	0.012	10	311-220KFRCT- ND	0.069	10	791- WR12X2203FTL	0.015	10
55	9	10R	0805	R23, R26, R36, R37, R43, R45, R49, R53, R72	9236643	RC1206FR- 0710RL	0.050	10	311-10.0CRCT- ND	0.071	10	603-RC1206FR- 0710RL	0.034	10
56	6	10K	0805	R24, R63, R77, R81, R93, R94	9237755	RC0805FR- 0710KL	0.022	10	311-10.0KCRCT- ND	0.039	10	603-RC0805FR- 0710KL	0.014	10
57	2	33R	0805	R25, R35	2861898	CRGCQ0805J33R	0.009	10	311-33.0CRCT- ND	0.040	10	279- CRGP0805F33R	0.041	10
58	2	100R	0805	R28, R29	2447552	MCWR08X1000FT L	0.094	10	311-100CRCT- ND	0.039	10	RC0805FR- 07100RL	0.014	10
59	8	22R/2-3W	2512	R30, R32, R40, R42, R68, R69, R75, R76	2116456	RLP73K3AR22JTE	0.380	5	A126461CT-ND	0.409	10	279-352122RFT	0.122	10
60	4	30K	0805	R33, R60, R62, R83	2303701	ERJ6ENF3002V	0.058	10	P30.0KCCT-ND	0.085	10	603-RC0805FR- 0730KL	0.014	10
61	2	1R	0805	R34, R39	2447598	MCWR08W1R00F TL	0.012	10	311-1.00CRCT- ND	0.071	10	603-RC0805FR- 131RL	0.020	10
62	4	1K8	0805	R4, R19, R84, R87	2447595	MCWR08X1801FT L	0.009	10	A129752CT-ND	0.028	10	652-CR0805JW- 182ELF	0.008	10
63	2	7K5	0805	R46, R91	2447722	MCWR08X7501FT L	0.010	10	311-7.50KCRCT- ND	0.040	10	667-ERJ- 6ENF7501V	0.040	10
64	4	86K6	0805	R47, R48, R52, R86	2303750RL	ERJ6ENF8662V	0.058	10	311-86.6KCRCT- ND	0.036	10	603- RT0805FRE0786 K6L	0.056	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 €
46	2	IPW60R120P7	-				IPW60R120P7	1.970	1	2		TME	1.970 €	2	3.940
47	1	NYC0102BLT1G	808-3993	NYC0102BLT1G	0.268	50	NYC0102BLT1G-LF	0.166	3			TME	0.166 €	1	0.166
48	2	Option #2: FDD86250-F085	-				-			2		Mouser	1.280 €	2	2.560
	0	Option #1: SUD80460E-GE	-				-					Mouser	0.840 €	0	0.000
	0	Option #3: SUM90330E-GE3	-				-					Digikey	1.520 €	0	0.000
	0	Option #4: SUM90220E-GE3	-				-					Mouser	2.380 €	0	0.000
49	2	BC856C	807-5061	BC856CMTF	0.090	200	BC856C-DIO	0.027	20	2		TME	0.027 €	2	0.054
50	6	120R	223-0304	CRG0805F120R	0.035	50	SMD0805-120R-1%	0.022	100	6		Farnell	0.009 €	6	0.056
51	4	47K	679-1434	CRCW080547K0FKEA	0.036	50	RC0805FR-0747K	0.022	100	4		Farnell	0.009 €	4	0.038
52	13	1K	223-0427	CRG0805F1K0	0.017	50	RC0805FR-071K	0.022	100	13		Mouser	0.015 €	13	0.195
53	1	12K	223-2401	CRG1206F12K	0.008	50	RC1206JR-0712K	0.018	100	1		RS	0.008 €	1	0.008
54	3	220K	223-2574	CRG1206F220K	0.004	50	CRCW1206220KFKA BC	0.031	100	3		RS	0.004 €	3	0.012
55	9	10R	740-9085	CR1206-FX-10R0ELF	0.036	50	CRCW120610R0FKTA BC	0.031	100	9		TME	0.031 €	9	0.279
56	6	10K	125-1189	CRG0805F10K	0.002	100	RC0805FR-0710K	0.022	100	6		RS	0.002 €	6	0.012
57	2	33R	223-0225	CRG0805F33R	0.023	50	SMD0805-33R-1%	0.023	100	2		Farnell	0.009 €	2	0.018
58	2	100R	679-0807	CRCW0805100RFKEA	0.043	50	SMD0805-100R-1%	0.022	100	2		Mouser	0.014 €	2	0.028
59	8	22R/2-3W	224-0187	352022RJT	0.128	10	WF25P-22R-5%	0.072	50	8		TME	0.072 €	8	0.572
60	4	30K	-				SMD0805-30K-1%	0.022	100	4		Mouser	0.014 €	4	0.056
61	2	1R	740-9151	CR0805-J/-1R0ELF	0.027	50	SMD0805-1R-1%	0.032	100	2		Farnell	0.012 €	2	0.023
62	4	1K8	223-0461	CRG0805F1K8	0.022	50	SMD0805-1K8-1%	0.022	100	4		Mouser	0.008 €	4	0.032
63	2	7K5	679-1686	CRCW08057K50FKEA	0.038	50	SMD0805-7K5-1%	0.023	100	2		Farnell	0.010 €	10	0.097
64	4	86K6	-				CRCW080586K6FKTA BC	0.025	100	4		RS	0.023 €	4	0.092

#	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	15K	0805	R50, R97	1099808	WCR0805-15KFI	0.019	10	A126341CT-ND	0.041	10	71-CRCW080515K0 FKEBC	0.013	10
66	2	4K7	0805	R51, R58	2861530	CRGCQ0805F4K7	0.012	10	311-4.70KCRCT- ND	0.040	10	603-RC0805FR- 074K7L	0.027	10
67	1	6R2	0805	R55	2447714	MCWR08W6R20F TL	0.012	10	311-6.20CRCT- ND	0.070	10	603-RC0805FR- 076R2L	0.020	10
68	2	5K6	0805	R59, R90	2447693	MCWR08X5601FT L	0.010	10	RC0805FR- 075K6L	0.040		RC0805FR- 075K6L	0.027	
69	2	3R3	0805	R70, R74	2447656	MCWR08W3R30F TL	0.012	10	RMCFO805FT3R 30CT-ND	0.020	10	603-RC0805FR- 073R3L	0.020	10
70	1	150K	0805	R77	2447573	MCWR08X1503FT L	0.010	10	311-150KCRCT- ND	0.037	10	667-ERJ- 6ENF1503V	0.040	10
71	2	470R	0805	R78, R79	1099798	WCR0805-470RFI	0.019	10	311-470CRCT- ND	0.039	10	71-CRCW0805470R FKEB	0.041	10
72	6	100K	1206, min. 150 V	R8, R12, R13, R22, R27, R31	2861962	CRGCQ1206J100 K	0.014	10	311-100KFRCT- ND	0.064	10	279-CRGH1206F100 K	0.029	10
73	2	150K	0805	R80, R95	2861548	CRGCQ0805F150 K	0.012	10	A126340CT-ND	0.041	10	279-CRGCQ0805F15 0K	0.008	10
74	1	3K3	0805	R88	2447651	MCWR08X3301FT L	0.009	10	311-3.30KCRCT- ND	0.039	10	652-CR0805- FX3301GLF	0.013	10
75	1	220R	0805	R92	1099795	WCR0805-220RFI	0.019	10	RMCFO805FT22 0RCT-ND	0.020	10	603-RC0805FR- 13220RL	0.020	10
76	1	39K	0805	R96	1100325	WCR0805-39KFI	0.019	10	311-39.0KCRCT- ND	0.036	10	652-CR0805FX- 3902ELF	0.013	10
77	1	51K	0805	R98	1653018	CRCW080551K0F KEA	0.033	10	311-51.0KCRCT- ND	0.036	10	667-ERJ- 6ENF5102V	0.040	10
78	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
79	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
80	1	22-05-7095	THT, SPOX, socket 9-pin, right angle	X2	-				WM18907-ND	1.090	1	538-22-05-7095	0.781	10
81	1	B2B-ZR	THT, 2-pin, 1.5mm	X3	9491775	B2B-ZR(LF)(SN)	0.071	100	455-1657-ND	0.150	1	-		
82	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
83	1	BZX384-C15	Zener SOD-323	ZD1	8735506	BZX384-C15,115	0.174	5	BZX384C15- HE3-08GICT-ND	0.191	10	771-BZX384- C15F	0.148	10
84	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
85	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

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

#	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 €
65	2	15K	223-0584	CRG0805F15K	0.023	50	SMD0805-15K	0.013	100	2	Mouser	0.013 €	2	0.026	
66	2	4K7	223-0528	CRG0805F4K7	0.023	50	SMD0805-4K7-1%	0.023	100	2	Farnell	0.012 €	2	0.023	
67	1	6R2	-				RC0805JR-076R2	0.034	100	1	Farnell	0.012 €	1	0.012	
68	2	5K6	679-1572	CRCW08055K6 0FKEA	0.029	50	SMD0805-5K6-1%	0.023	100	2	Farnell	0.010 €	2	0.019	
69	2	3R3	794-4140	CRL0805-FW-3R30ELF	0.045	10	CRCW08053R30FKTA BC	0.029	100	2	Farnell	0.012 €	2	0.023	
70	1	150K	223-0714	CRG0805F150K	0.023	50	SMD0805-150K-1%	0.023	100	1	Farnell	0.010 €	10	0.097	
71	2	470R	223-0376	CRG0805F470R	0.021	50	RC0805FR-07470R	0.022	100	2	Farnell	0.019 €	2	0.038	
72	6	100K	223-2524	CRG1206F100K	0.043	50	CRCW1206100KFKA BC	0.031	100	6	Farnell	0.014 €	6	0.083	
73	2	150K	223-0714	CRG0805F150K	0.023	50	SMD0805-150K-1%	0.023	100	2	Mouser	0.008 €	2	0.016	
74	1	3K3	223-0499	CRG0805F3K3	0.027	50	SMD0805-3K3-1%	0.022	100	1	Farnell	0.009 €	1	0.009	
75	1	220R	223-0332	CRG0805F220R	0.018	50	SMD0805-220R-1%	0.022	100	1	RS	0.018 €	1	0.018	
76	1	39K	679-1336	CRCW080539K 0FKEA	0.038	50	SMD0805-39K-1%	0.023	100	1	Mouser	0.013 €	1	0.013	
77	1	51K	679-1525	CRCW080551K 0FKEA	0.025	50	SMD0805-51K-1%	0.023	100	1	TME	0.023 €	1	0.023	
78	1	53100C	715-7037	53100C	1.480	1	-			1	RS	1.480 €	1	1.480	
79	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	
80	1	22-05-7095	687-8118	22-05-7095	0.227	10	-			1	RS	0.227 €	1	0.227	
81	1	B2B-ZR	762-0800	B2B-ZR(LF)	0.520	5	B2B-ZR	0.214	5	1	Farnell	0.071 €	1	0.071	
82	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	
83	1	BZX384-C15	508-327	BZX384-C15,115	0.063	200	BZX384-C15.115	0.024	20	1	TME	0.024 €	1	0.024	
84	1	BZT52C20-DC	822-2214	BZT52C20S-7-F	0.093	100	BZT52C20-DC	0.052	10	1	Farnell	0.047 €	1	0.047	
85	2	MMSZ5V1T1G	792-0973	BZX384-B6V2,115	0.016	20	MMSZ5V1T1G	0.023	25	2	RS	0.016 €	2	0.032	
										21	210				
50.13 €															

Custom made componen															
1	NTCALUG03A103HC	179-3922	NTCALUG03A1 03HC	1.670	10	-						Mouser	1.550 €	1	1.550

#	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	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	-											
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	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.	C78	2321209	T491A475K006AT	0.421	5	399-9717-1-ND	0.259	10	80-T491A475K006AT	0.184	10	
2	BAS316	SOD-323	D20, D22	8734275	BAS316,115	0.193	5	1727-7370-1-ND	0.120	1	771-BAS316-T/R	0.179	1	
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											
1	N.C.	0805	R6, R7, R15											
1	N.C.	1210	R67											
1	N.C.	2512	R71											
1	Test pin	THT, test pin	TP1											
1	SMAJ58A-TR	DO-214AC	ZD5											

All prices are net prices (without VAT)

EEZ CF-DIC BOM (r5B6, 2019-01-06)

Project source code at <https://github.com/eez-open/CF-DIC>

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	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
	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										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
	2	BAS316	397-2914	BAS316,115	0.122	50	BAS316,115	0.026	25		2	TME	0.026 €		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
	1	N.C.									1	Farnell	0.000 €	1	0.000
	1	N.C.									1				
	1	N.C.									1	Farnell	0.000 €	1	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 66.98 €

#	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

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	THT	SMD	Best Supplier	Lowest unit price €	Order Qty	Line Cost €