

EEZ CF-DIC BOM (r5B5, 2018-12-04)
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	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
3	1	1n/1kV	1210	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	400BXC6R8MEFC10X16	0.868	1	493-13319-1-ND	0.730	1	647-UCY2G6R8MPD	0.629	1
5	3	4u7	1206	C15, C22, C65	1907356	C3216X7R1E475K160AC	0.240	5	1276-2970-1-ND	0.199	10	963-EMK316B7475ML-T	0.129	10
6	16	100n	0603	C18, C27, C29, C30, C34, C36, C37, C40, C42, C45, C49, C51, C64, C70, C72, C74	2522597	C0603C104K4RAC7081	0.011	10	490-4774-1-ND	0.029	100	80-C0603C104M4R	0.007	100
7	1	1500u	THT, Ø10.5 or 12mm, RM 5	C20	1712578	16ZLH1500MEFC10X20	0.538	5	UHD1C152MHD	0.660	1	647-UHD1C152MHD	0.638	1
8	1	33n	0805	C23	1414688	C0805C333K5RAC TU	0.051	10	1276-1796-1-ND	0.068	10	77-VJ0805Y333JXA PBC	0.020	50
9	3	100p	0805, C0G	C24, C73, C75	2896466	VJ0805A101JXAC W1BC	0.041	10	399-1121-1-ND	0.061	10	80-C0805C101J5G	0.022	10
10	3	2n2	0805	C25, C46, C76	2896572	VJ0805Y222KXAC W1BC	0.028	10	720-1604-1-ND	0.063	10	77-VJ0805Y222KXBA AC	0.032	50
11	5	10n	0603	C28, C35, C44, C48, C71	2522596	C0603C103K5RAC7081	0.042	10	399-1092-1-ND	0.040	10	80-C0603C103M5R3121	0.031	10
12	4	3n3	0805	C3, C9, C16, C19	2896578	VJ0805Y332KXAC W1BC	0.025	10	1276-1260-1-ND	0.039	10	80-C0805C332K5R	0.024	10
13	2	UPH2G151MHD6	THT, Ø18mm, RM 7.5	C31, C32	-				493-16993-ND	3.550	1	647-UPH2G151MHD	3.550	1
14	2	100n/500V	1812	C33, C39	2676599	C1812C104KBRAC TU	0.600	1	445-2300-1-ND	0.453	10	810-C4532X7R2J104M	0.408	10
15	4	4n7/200V	1206 or 1210	C38, C63, C67, C68	1855870	MC1206B472K201 CT	0.149	5	478-10870-1-ND	0.283	10	581-12062C472JAT2A	0.247	10
16	3	CY1Y-4N7	THT, Ceramic Y1, RM 10	C4, C5, C17	2440246	C951U472MVVDB A7317	0.772	1	399-9504-1-ND	0.293	10	80-C941U472MYVDBAP	0.215	10
17	1	470p	0805, C0G	C47	2497036	0805N471J101CT	0.045		732-7837-1-ND	0.057	10	77-VJ0805A471KXA AC	0.047	10
18	3	UPW1J152MHD	THT, Ø18mm, RM 7.5	C54, C55, C56	2479585	UPW1J152MHD1TN	1.300	1	493-1959-ND	1.710	1	647-UPW1J152MHD	1.700	1
19	2	1u/100V	1206	C57, C60	2491179	C1206C105K1RAC TU	0.374	5	1276-3094-1-ND	0.240	10	963-HMK316B7105MLHT	0.306	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	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
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	16	100n	393-6952	VJ0603Y104KXJ AT	0.069	25	CL10B104KA8NNNC	0.098	100		16	Mouser	0.007 €	16	0.112
7	1	1500u	708-3563	EEUFR1A152	0.338	10	UPS1C152MHD	0.417	5	1		RS	0.338 €	1	0.338
8	1	33n	652-0982	VJ0805Y333KX AAT	0.066	25	CL21B333KBANNNC	0.035	100		1	Mouser	0.020 €	1	0.020
9	3	100p	461-3997	CC0805JRNPO9 BN101	0.017	25	VJ0805A101JXACW1 BC	0.024	100		3	RS	0.017 €	3	0.051
10	3	2n2	264-4359	C0805C222K5R ACTU	0.031	25	VJ0805Y222KXACW1 BC	0.020	100		3	TME	0.020 €	3	0.059
11	5	10n	264-4595	C0603C103K5R ACTU	0.035	25	C0603X103K5RACTU	0.080	100		5	Mouser	0.031 €	5	0.155
12	4	3n3	237-7009	GRM216R71H3 32KA01D	0.060	50	VJ0805Y333KXACW1 BC	0.023	100		4	TME	0.023 €	4	0.092
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	4	4n7/200V	669-8644	223893115632	0.048	25	1206B472K501CT	0.105	100		4	RS	0.048 €	4	0.192
16	3	CY1Y-4N7	-				CY1Y-4N7	0.153	10	3		TME	0.153 €	3	0.458
17	1	470p	264-4315	C0805C471J5G ACTU	0.063	25	VJ0805A471JXACW1 BC	0.033	100		1	TME	0.033 €	1	0.033
18	3	UPW1J152MHD	715-2981	UPW1J152MHD	2.215	2	UPW1J152MHD	1.652	1	3	3	Farnell	1.300 €	3	3.900
19	2	1u/100V	916-2977	C3216X7R2A10 5K160AM	0.290	20	CL31B105KCHSNE	0.211	10		2	TME	0.211 €	2	0.422

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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
20	1	HHXC630ARA330MHA0G	Ø8 x 10 mm	C58	-				565-4788-1-ND	0.890	1	HHXC630ARA330MHA0G	0.770	1
21	1	100n/100V	1206	C61	2896560	VJ0805Y104KXBTW1BC	0.070	10	1276-6840-1-ND	0.068	10	810-C2012X7R2A104K	0.065	10
22	4	EEEFK1V470P	Ø6.3 x 5.8 mm	C7, C10, C14, C21	9695850	EEEFK1V470P	0.344	1	PCE3842CT-ND	0.312	10	667-EEE-FK1V470P	0.238	10
23	8	1u	0805	C8, C11, C26, C41, C43, C50, C53, C78	2896566	VJ0805Y105KXXTW1BC	0.084	5	587-1283-1-ND	0.090	10	603-CC805MKX7R7B105	0.062	10
24	4	SS110B	SMB	D1, D2, D4, D5	1861422	SS110B	0.097	5	SS110-TPCT-ND	0.350	1	833-SS110FL-TP	0.323	1
25	1	C3D03060A	THT, TO-220	D11	-				C3D03060A-ND	1.250	1	941-C3D03060A	1.240	1
26	2	US1K-DIO	DO-214AA	D3, D14	2306342	US1K-13-F	0.146	1	US1K-FDICT-ND	0.340	1	621-US1K-F	0.366	1
27	6	1N5819HW-7-F	SOD-323	D6, D10, D12, D13, D25, D26	2306459	1N5819HW-7-F	0.183	10	1N5819HW-FDICT-ND	0.310	10	621-1N5819HW-F	0.281	10
28	9	BAS316	SOD-323	D7, D8, D16, D17, D20, D22, D23, D24, D27	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)	D9, D15, D18	-				C3D02065E-ND	0.860	1	941-C3D02065E	0.859	1
30	1	VIPer35L	SOIC-16	IC1	2612169	VIPER35LD	1.130	1	497-16075-5-ND	1.040	1	511-VIPER35LD	1.040	1
31	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	
32	1	LM5041B	TSSOP-16	IC3	-				LM5041BMTC/NOPB-ND	3.110	1	926-LM5041BMTC/NOPB	3.090	1
33	2	LM258D	SOIC-8	IC4, IC6	2323288	LM258D	0.274	5	296-14591-1-ND	0.271	10	595-LM258DR	0.248	10
34	1	IR11688STRPBF	SOIC-8	IC5	2780950	IR11688STRPBF	1.520	1	IR11688STRPBFCT-ND	1.680	1	942-IR11688STRPBF	1.550	1
35	1	TL103W	SOIC-8	IC7	1755223	TL103WID	0.665	1	296-18862-1-ND	0.610	1	595-TL103WID	0.706	1
36	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
37	3	DLG-0403-180	0403 inductor	L2, L4, L5	SDR0403-180ML	SDR0403-180M	0.404	5	SDR0403-180MLCT-ND	0.424	10	652-SDR0403-180ML	0.272	10
38	2	60B684C	Murata power inductor 6000B	L6, L7	2290311	60B684C	5.140	1	811-2466-ND	2.540	1	580-60B684C	2.520	1
39	1	IHLP2020CZER3R3M11	Vishay power inductor	L8	1741325	IHLP2020CZER3R3M11	1.940	5	541-1237-1-ND	2.040	1	70-IHLP2020CZER3R3M1	2.140	1
40	1	L-934EB/1Y1ID-R	0805	LED1	-				-			-		
41	3	TLP291-GB.SE-T	SOIC-4	OK1, OK2, OK3	2524307	TLP291(GB,SE	0.196	1	-			-		
42	1	MMBT5551	SOT-23	Q1	1459109	MMBT5551LT1G	0.154	5	MMBT5551LT1GOSCT-ND	0.180	1	863-MMBT5551LT1G	0.170	1
43	4	C3M0280090D	THT, TO-247	Q2, Q3, Q5, Q6	2630827	C3M0280090D	3.710	1	C3M0280090D-ND	3.110	1	941-C3M0280090D	2.950	1
44	1	NYC0102BLT1G	SOT-23	Q5	2533159	NYC0102BLT1G	0.360	5	NYC0102BLT1GOSCT-ND	0.430	1	863-NYC0102BLT1G	0.472	1
45	2	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 #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

#	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 €
20	1	HHXC630ARA330MHA0 - G					-				1	Mouser	0.770 €	1	0.770
21	1	100n/100V		C2012X7R2A10 4M125AA	0.047	100	CL21B104KCFSENE	0.071	10		1	RS	0.047 €	1	0.047
22	4	EEEFK1V470P	537-0657	EEEFK1V470P	0.394	5	EEEFK1V470P	0.130	5		4	TME	0.130 €	4	0.520
23	8	1u	451-5770	C0805C105K4R ACTU	0.028	25	CL21B105KOFNNNE	0.010	100		8	TME	0.010 €	8	0.083
24	4	SS110B	743-5992	SS110 R3	0.154	25	SS110-JGD	0.053	5		4	TME	0.053 €	4	0.213
25	1	C3D03060A	702-7447	C3D03060A	1.260	1	C3D03060A	0.850	2	1		TME	0.850 €	1	0.850
26	2	US1K-DIO	751-5130	US1K-13-F	0.106	25	US1K-DIO	0.067	10		2	TME	0.067 €	2	0.135
27	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
28	9	BAS316	397-2914	BAS316,115	0.122	50	BAS316,115	0.026	25		9	TME	0.026 €	9	0.238
29	3	C3D02065E	915-8846	C3D02065E	0.869	10	C3D02065	0.620	3		3	TME	0.620 €	3	1.860
30	1	VIPer35L	124-1146	VIPER35LDTR	1.544	5	-				1	Digikey	1.040 €	1	1.040
31	1	SI8233BB-D-IS1	-	-			-				1	Digikey	2.050 €	1	2.050
32	1	LM5041B	-	-			-				1	Mouser	3.090 €	1	3.090
33	2	LM258D	660-9555	LM258DGKR	0.244	10	LM258D-ST	0.114	5		2	TME	0.114 €	2	0.227
34	1	IR11688STRPBF	-	-			IR11688STRPBF	1.580	1		1	Farnell	1.520 €	1	1.520
35	1	TL103W	809-5334	TL103WID	0.692	5	-				1	Digikey	0.610 €	1	0.610
36	1	RN214-2.5-02-3M3	133-6257	RN214-2.5-02- 3M3	1.742	1	-			1	1	Mouser	1.460 €	1	1.460
37	3	DLG-0403-180	798-0938	SDR0403- 180ML	0.336		DLG-0403-180	0.129	10		3	TME	0.129 €	3	0.386
38	2	60B684C	749-6427	60B684C	2.650	1	-				2	Mouser	2.520 €	2	5.040
39	1	IHL2020CZER3R3M11	-	-			-				1	Farnell	1.940 €	1	1.940
40	1	L-934EB/1Y1ID-R	-	-			L-934EB/1Y1ID-R	0.290	1		1	TME	0.290 €	1	0.290
41	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
42	1	MMBT5551	545-0400	MMBT5551LT1 G	0.146	10	MMBT5551	0.024	25		1	TME	0.024 €	1	0.024
43	4	C3M0280090D	915-8842	C3M0280090D	3.100	2	-			4	4	Mouser	2.950 €	4	11.800
44	1	NYC0102BLT1G	808-3993	NYC0102BLT1G	0.268	50	NYC0102BLT1G-LF	0.166	3			TME	0.166 €	1	0.166
45	2	Option #1: SUD80460E- GE	-	-			-				2	Mouser	0.840 €	2	1.680
	0	Option #2: FDD86250- F085	-	-			-					Mouser	1.280 €	0	0.000

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	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
46	5	220K	1206	R1, R2, R6, R7, R29	2861964	CRGCQ1206J220K	0.012	10	311-220KFRCT-ND	0.069	10	791-WR12X2203FTL	0.015	10
47	5	47K	0805	R12, R16, R32, R57, R70	2447664	MCWR08X4702FTL	0.009	10	RHM47KKCT-ND	0.036	10	603-RC0805FR-0747KL	0.014	10
48	5	750R	0805	R13, R52, R79, R82, R86	1469956	CRCW0805750RFEA	0.038	10	311-750CRCT-ND	0.036	10	603-RC0805FR-13750RL	0.020	10
49	1	12K	0805	R14	1100220	WCR1206-12KFI	0.020	10	311-12.0KFRCT-ND	0.069	10	652-CR0805FX-1202ELF	0.032	10
50	8	1K	0805	R17, R35, R39, R48, R53, R58, R61, R62	1099800	WCR0805-1K0FI	0.019	10	RC0805FR-071KL	0.039	10	603-RC0805FR-071KL	0.015	10
51	7	10R	0805	R18, R21, R30, R31, R38, R40, R69	9236643	RC1206FR-0710RL	0.050	10	311-10.0CRCT-ND	0.071	10	603-RC1206FR-0710RL	0.034	10
52	6	10K	0805	R19, R41, R60, R74, R78, R87	9237755	RC0805FR-0710KL	0.022	10	311-10.0KCRCT-ND	0.039	10	603-RC0805FR-0710KL	0.014	10
53	4	33R	0805	R20, R28, R44, R47	2861898	CRGCQ0805J33R	0.009	10	311-33.0CRCT-ND	0.040	10	279-CRGP0805F33R	0.041	10
54	2	100R	0805	R22, R23	2447552	MCWR08X1000FTL	0.094	10	311-100CRCT-ND	0.039	10	RC0805FR-07100RL	0.014	10
55	8	22R/2-3W	2512	R24, R25, R34, R37, R65, R66, R72, R73	2116456	RLP73K3AR22JTE	0.380	5	A126461CT-ND	0.409	10	279-352122RFT	0.122	10
56	2	1R	0805	R26, R33	2447598	MCWR08W1R00FTL	0.012	10	311-1.00CRCT-ND	0.071	10	603-RC0805FR-131RL	0.020	10
57	5	30K	0805	R27, R42, R45, R59, R83	2303701	ERJ6ENF3002V	0.058	10	P30.0KCCT-ND	0.085	10	603-RC0805FR-0730KL	0.014	10
58	5	120R	0805	R3, R5, R9, R10, R63	2447561	MCWR08X1200FTL	0.009	10	RMCF0805FT120RCT-ND	0.020	10	71-CRCW0805120R FKEAC	0.037	10
59	3	1K8	0805	R4, R15, R84	2447595	MCWR08X1801FTL	0.009	10	A129752CT-ND	0.028	10	652-CR0805JW-182ELF	0.008	10
60	1	82K	0805	R46	2447729	MCWR08X8202FTL	0.094	10	541-82.0KCCT-ND	0.047	10	603-RC0805FR-0782KL	0.014	10
61	1	6R2	0805	R50	2447714	MCWR08W6R20FTL	0.012	10	311-6.20CRCT-ND	0.070	10	603-RC0805FR-076R2L	0.020	10
62	2	4K7	0805	R51, R55	2861530	CRGCQ0805F4K7	0.012	10	311-4.70KCRCT-ND	0.040	10	603-RC0805FR-074K7L	0.027	10
63	1	8K2	0805	R54	2447732	MCWR08X8201FTL	0.010	10	A129760CT-ND	0.042	10	279-CRGCQ0805F8K2	0.008	10
64	1	5K6	0805	R56	2447693	MCWR08X5601FTL	0.010	10	RC0805FR-075K6L	0.040		RC0805FR-075K6L	0.027	
65	2	3R3	0805	R68, R71	2447656	MCWR08W3R30FTL	0.012	10	RMCF0805FT3R30CT-ND	0.020	10	603-RC0805FR-073R3L	0.020	10
66	3	470R	0805	R75, R76, R80	1099798	WCR0805-470RFI	0.019	10	311-470CRCT-ND	0.039	10	71-CRCW0805470R FKEB	0.041	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 #3: SUM90330E-GE3	-	-	-	-	-	-	-	-	-	Digikey	1.520 €	0	0.000
	0	Option #4: SUM90220E-GE3	-	-	-	-	-	-	-	-	-	Mouser	0.840 €	0	0.000
46	5	220K	223-2574	CRG1206F220K	0.004	50	CRCW1206220KFKA BC	0.031	100	5		RS	0.004 €	5	0.020
47	5	47K	679-1434	CRCW080547K 0FKEA	0.036	50	RC0805FR-0747K	0.022	100	5		Farnell	0.009 €	5	0.047
48	5	750R	679-1660	CRCW0805750 RFKEA	0.041	50	CRCW0805750RFKA BC	0.025	100	5		Mouser	0.020 €	5	0.100
49	1	12K	223-2401	CRG1206F12K	0.008	50	RC1206JR-0712K	0.018	100	1		RS	0.008 €	1	0.008
50	8	1K	223-0427	CRG0805F1K0	0.017	50	RC0805FR-071K	0.022	100	8		Mouser	0.015 €	8	0.120
51	7	10R	740-9085	CR1206-FX-10R0ELF	0.036	50	CRCW120610R0FKTA BC	0.031	100	7		TME	0.031 €	7	0.217
52	6	10K	125-1189	CRG0805F10K	0.002	100	RC0805FR-0710K	0.022	100	6		RS	0.002 €	6	0.012
53	4	33R	223-0225	CRG0805F33R	0.023	50	SMD0805-33R-1%	0.023	100	4		Farnell	0.009 €	4	0.036
54	2	100R	679-0807	CRCW0805100 RFKEA	0.043	50	SMD0805-100R-1%	0.022	100	2		Mouser	0.014 €	2	0.028
55	8	22R/2-3W	224-0187	352022RJT	0.128	10	WF25P-22R-5%	0.072	50	8		TME	0.072 €	8	0.572
56	2	1R	740-9151	CR0805-J/-1R0ELF	0.027	50	SMD0805-1R-1%	0.032	100	2		Farnell	0.012 €	2	0.023
57	5	30K	-	-	-	-	SMD0805-30K-1%	0.022	100	5		Mouser	0.014 €	5	0.070
58	5	120R	223-0304	CRG0805F120R	0.035	50	SMD0805-120R-1%	0.022	100	5		Farnell	0.009 €	5	0.047
59	3	1K8	223-0461	CRG0805F1K8	0.022	50	SMD0805-1K8-1%	0.022	100	3		Mouser	0.008 €	3	0.024
60	1	82K	223-0685	CRG0805F82K	0.025	50	SMD0805-82K-1%	0.008	100	1		TME	0.008 €	1	0.008
61	1	6R2	-	-	-	-	RC0805JR-076R2	0.034	100	1		Farnell	0.012 €	1	0.012
62	2	4K7	223-0528	CRG0805F4K7	0.023	50	SMD0805-4K7-1%	0.023	100	2		Farnell	0.012 €	2	0.023
63	1	8K2	223-0556	CRG0805F8K2	0.023	50	SMD0805-8K2-1%	0.023	100	1		Mouser	0.008 €	1	0.008
64	1	5K6	679-1572	CRCW08055K6 0FKEA	0.029	50	SMD0805-5K6-1%	0.023	100	1		Farnell	0.010 €	1	0.010
65	2	3R3	794-4140	CRL0805-FW-3R30ELF	0.045	10	CRCW08053R30FKTA BC	0.029	100	2		Farnell	0.012 €	2	0.023
66	3	470R	223-0376	CRG0805F470R	0.021	50	RC0805FR-07470R	0.022	100	3		Farnell	0.019 €	3	0.057

#	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
67	4	100K	0805	R8, R36, R43, R77	2447551	MCWR08X1003FT-L	0.009	10	311-100KCRCT-ND	0.039	10	603-RC0805FR-10100KL	0.017	10
68	1	51K	0805	R81	9334653	MC01W0805551K	0.011	10	RC0805FR-0751KL	0.040		RC0805FR-0751KL	0.027	
69	1	3K3	0805	R85	2447651	MCWR08X3301FT-L	0.009	10	311-3.30KCRCT-ND	0.039	10	652-CR0805-FX3301GLF	0.013	10
70	1	7K5	0805	R88	2447722	MCWR08X7501FT-L	0.010	10	311-7.50KCRCT-ND	0.040	10	667-ERJ-6ENF7501V	0.040	10
71	1	220R	0805	R89	1099795	WCR0805-220RFI	0.019	10	RMCF0805FT220RCT-ND	0.020	10	603-RC0805FR-13220RL	0.020	10
72	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
73	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
74	1	22-05-7085	THT, SPOX, socket 8-pin, right angle	X2	-				WM18906-ND	0.960	1	538-22-05-7085	0.830	1
75	1	B2B-ZR	THT, 2-pin, 1.5mm	X3	9491775	B2B-ZR(LF)(SN)	0.071	100	455-1657-ND	0.150	1	-		
76	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
77	1	BZX384-C13	Zener SOD-323	ZD1	1757851	PDZ13B,115	0.148	5	1727-1716-1-ND	0.130	1	621-DDZ13BSF-7	0.162	1
78	1	BZT52C20-DC	Zener SOD-123	ZD2	2824935	SZMMSZ5250BT1G	0.047	5	1727-8128-1-ND	0.180	1	621-BZT52C20-13-F	0.170	1
79	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-NTCALUG03A103HC	1.550	1
1	TO-220 insulation cover or tube	Insulation cover for D11	-	-					-			-		
4	TO-247 insulation cover or tube	Insulation cover for Q2, Q3, Q5, Q6	-											
5	Heatsink clamp	Clamp with M3 for D11, Q2, Q3, Q5, Q6	-											
5	Cheese head screw M3x5	Clamp fixing	-											
4	Screwed spacer sleeve	M3 x 5mm	-											
4	Cheese head screw M3x8	Spacer sleeve fixing	-											
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 90 mm	ALLPCB.com	-											

EEZ CF-DIC BOM (r5B5, 2018-12-04)

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			Best Supplier	Lowest unit price €	Order Qty	Line Cost €
67	4	100K	223-0691	CRG0805F100K	0.007	50	SMD0805-100K-1%	0.022	100	4	RS	0.007 €	4	0.028	
68	1	51K	679-1525	CRCW080551K 0FKEA	0.025	50	SMD0805-51K-1%	0.023	100	1	Farnell	0.011 €	10	0.106	
69	1	3K3	223-0499	CRG0805F3K3	0.027	50	SMD0805-3K3-1%	0.022	100	1	Farnell	0.009 €	1	0.009	
70	1	7K5	679-1686	CRCW08057K5 0FKEA	0.038	50	SMD0805-7K5-1%	0.023	100	1	Farnell	0.010 €	10	0.097	
71	1	220R	223-0332	CRG0805F220R	0.018	50	SMD0805-220R-1%	0.022	100	1	RS	0.018 €	1	0.018	
72	1	53100C	715-7037	53100C	1.480	1	-			1	RS	1.480 €	1	1.480	
73	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	
74	1	22-05-7085	687-8109	22-05-7085	0.260	10	MX-5268-08A	0.179	5	1	TME	0.179 €	1	0.179	
75	1	B2B-ZR	762-0800	B2B-ZR(LF) (SN)	0.520	5	B2B-ZR	0.214	5	1	Farnell	0.071 €	1	0.071	
76	1	39-30-1020	484-1883	39-28-102	0.354	5	MX-5566-02A	0.104	5	1	TME	0.104 €	1	0.104	
77	1	BZX384-C13	822-2198	BZT52C13S-7-F	0.093	100	BZX384-C13.115	0.025	25	1	TME	0.025 €	1	0.025	
78	1	BZT52C20-DC	822-2214	BZT52C20S-7-F	0.093	100	BZT52C20-DC	0.052	10	1	Farnell	0.047 €	1	0.047	
79	2	MMSZ5V1T1G	792-0973	BZX384- B6V2,115	0.016	20	MMSZ5V1T1G	0.023	25	2	RS	0.016 €	2	0.032	
										23	201				53.20 €

Custom made componer															
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
5	Cheese head screw M3x5					M3X5/D7985-A2	0.009	100				TME	0.009 €	5	0.046
4	Screwed spacer sleeve					M3X5/BN3320	0.058	100				TME	0.058 €	4	0.230
4	Cheese head screw M3x8					M3X8/D7985-A2	0.010	100				TME	0.010 €	4	0.038
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 90 mm											ALLPCB	4.800 €	1	4.800

#	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
1		Metal enclosure	Custom made enclosure with - two heatsink plates											
Not installed / optional														
2		N.C.	THT, Ceramic Y1, RM 10	C4A, C5A										
1		HHXC630ARA330MHA0G	Ø8 x 10 mm	C59	-				565-4788-1-ND	0.890	1	HHXC630ARA330MHA0G	0.770	1
2		100n	0603	C6, C52	2522597	C0603C104K4RAC7081	0.011	10	490-4774-1-ND	0.029	100	80-C0603C104M4R	0.007	100
1		N.C.	1206	C62										
1		4n7/200V	1206 or 1210	C66	1855870	MC1206B472K201CT	0.149	5	478-10870-1-ND	0.283	10	581-12062C472JAT2A	0.247	10
1		4u7	1206, tant.	C77	2321209	T491A475K006AT	0.421	5	399-9717-1-ND	0.259	10	80-T491A475K006AT	0.184	10
1		N.C.	0805	C79										
2		N.C.	SOD-323											
2		BAS316	SOD-323	D17, D18	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										
3		N.C.	0805	R11, R49										
1		47K	0805	R67	2447664	MCWR08X4702FTL	0.009	10	RHM47KKCT-ND	0.036	10	603-RC0805FR-0747KL	0.014	10
1		N.C.	1210	R64										
1		N.C.	1210	R56										
4		Test pin	THT, test pin	TP1, TP2, TP5, TP6, TP7										
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	THT	SMD	Best Supplier	Lowest unit price €	Order Qty	Line Cost €
1		Metal enclosure										Varisom		1	0.000
															16.57 €

Not installed / optional															
2		N.C.										Farnell	0.000 €		0.000
1		HHXC630ARA330MHA0 - G									1	Mouser	0.770 €	1	0.770
2		100n	393-6952	VJ0603Y104KXJ AT	0.069	25	CL10B104KA8NNNC	0.098	100		2	Mouser	0.007 €	2	0.014
1		N.C.									1	Farnell	0.000 €	1	0.000
1		4n7/200V	669-8644	223893115632	0.048	25	1206B472K501CT	0.105	100		1	RS	0.048 €	1	0.048
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
2		N.C.									2	Farnell	0.000 €	2	0.000
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
3		N.C.										Farnell	0.000 €		0.000
1		47K	679-1434	CRCW080547K 0FKEA	0.036	50	RC0805FR-0747K	0.022	100		1	Farnell	0.009 €	1	0.009
1		N.C.													
1		N.C.										Farnell	0.000 €		0.000
4		Test pin					TEST-5	0.082	10	7		TME	0.082 €		0.000
1		SMAJ58A-TR										Farnell	0.000 €		0.000

Total 69.77 €