

EEZ CF-DIC BOM (r4B4, 2018-09-14)
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	5	1u	0805	C11, C26, C40, C42, C71	2896566	VJ0805Y105KXXT W1BC	0,084	5	587-1283-1-ND	0,090	10	603-CC805MKX7R7B B105	0,062	10
4	1	1n/1kV	1210	C12	2812601	885342209006	0,580	5	732-12116-1-ND	0,380	1	710-885342209006	0,357	1
5	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
6	3	4u7	C-EUC1206	C15, C22, C62	1907356	C3216X7R1E475K 160AC	0,240	5	1276-2970-1-ND	0,199	10	963-EMK316B7475M L-T	0,129	10
7	13	100n	C-EUC0603	C18, C27, C31, C32, C34, C36, C37, C41, C45, C61, C63, C65, C66	2522597	C0603C104K4RAC 7081	0,011	10	490-4774-1-ND	0,029	100	80-C0603C104M4R	0,007	100
8	1	470u	THT, Ø10.5mm, RM 5	C20	1800650	EEUFR1E471B	0,461	10	493-11717-1-ND	0,380	1	647-UPW1C471MPD 1TD	0,374	1
9	2	33n	0805	C23, C69	1414688	C0805C333K5RAC TU	0,051	10	1276-1796-1-ND	0,068	10	77-VJ0805Y333JXA PBC	0,020	50
10	3	100p	0805, C0G	C24, C67, C68	2896466	VJ0805A101JXAC W1BC	0,041	10	399-1121-1-ND	0,061	10	80-C0805C101J5G	0,022	10
11	1	2n2	0805	C25	2896572	VJ0805Y222KXAC W1BC	0,028	10	720-1604-1-ND	0,063	10	77-VJ0805Y222KXB AC	0,032	50
12	2	UCY2G121MHD	THT, Ø18mm, RM 7.5	C28, C29	1547017	400KXW120MEFC 18X30	2,890	1	493-5466-ND	3,120	1	647-UCY2G121MHD	3,180	1
13	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
14	3	10n	0603	C30, C35, C39	2522596	C0603C103K5RAC 7081	0,042	10	399-1092-1-ND	0,040	10	80-C0603C103M5R 3121	0,031	10
15	3	100n/500V	1812	C33, C43, C44	2676599	C1812C104KBRAC TU	0,600	1	445-2300-1-ND	0,453	10	810-C4532X7R2J104 M	0,408	10
16	1	2n2/1kV	1210	C38	1855965	MC1210B222K102 CT	0,364	5	399-7228-1-ND	0,910	1	843-1210J1K00222KJ T	0,315	1
17	3	CY1Y-470P	THT, Ceramic Y1, RM 10	C4, C5, C17	2860164	VY1471K31Y5UQ6 TV0	0,220	1	BC2372-ND	0,206	10	72-VY1471M31Y5U Q63V0	0,186	10
18	1	470p	0805, C0G	C46	2497036	0805N471J101CT	0,045		732-7837-1-ND	0,057	10	77-VJ0805A471KXA AC	0,047	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 €
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	5	1u	451-5770	C0805C105K4R ACTU	0,028	25	CL21B105KOFNNNE	0,010	100		5	TME	0,010 €	5	0,052
4	1	1n/1kV	500-2499	C1210C102JDG ACTU	0,880	5	1210B102K102CT	0,343	10		1	TME	0,343 €	1	0,343
5	1	UCY2G6R8MPD	739-4551	UCA2G6R8MPD	1,008	1	UCY2G6R8MPD	0,240	5	1		TME	0,240 €	1	0,240
6	3	4u7	691-1221	C1206C475K3R ACTU	0,232	25	GCM31CR71E475KA5 5L	0,381	10		3	Mouser	0,129 €	3	0,387
7	13	100n	393-6952	VJ0603Y104KXJ AT	0,069	25	CL10B104KA8NNNC	0,098	100		13	Mouser	0,007 €	13	0,091
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	CC0805JRNP09 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	2	UCY2G121MHD	851-4116	UCP2G121MHD	3,840	1	UCY2G121MHD	1,388	1	2		TME	1,388 €	2	2,776
13	4	3n3	237-7009	GRM216R71H3 32KA01D	0,060	50	VJ0805Y333KXACW1 BC	0,023	100		4	TME	0,023 €	4	0,092
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	1	2n2/1kV	773-8121	1210Y1K00222K XT	0,564	5	1206B222K102CT	0,114	50		1	TME	0,114 €	1	0,114
17	3	CY1Y-470P	736-8858	VY1471K31Y5U Q6TV0	0,100	10	CY1Y-470P	0,099	10	3		TME	0,099 €	3	0,298
18	1	470p	264-4315	C0805C471J5G ACTU	0,063	25	VJ0805A471JXACW1 BC	0,033	100		1	TME	0,033 €	1	0,033

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19	1	220p	0805, C0G	C47	2773233	C0805C221K5GAC TU	0,037	10	399-8038-1-ND	0,079	10	80- C0805C221J5G	0,031	10
20	3	UPW1J152MHD	THT, Ø18mm, RM 7.5	C51, C52, C53	2479585	UPW1J152MHD1T N	1,300	1	493-1959-ND	1,710	1	647- UPW1J152MHD	1,700	1
21	2	1u/100V	1206	C54, C57	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	C55, C56	-				565-4788-1-ND	0,890	1	HHXC630ARA33 0MHA0G	0,770	1
23	2	4n7/200V	1206	C60, C64	1855870	MC1206B472K201 CT	0,149	5	478-10870-1-ND	0,283	10	581- 12062C472JAT2 A	0,247	10
24	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
25	1	4u7	1206, tant.	C70	2321209	T491A475K006AT	0,421	5	399-9717-1-ND	0,259	10	80- T491A475K006A T	0,184	10
26	1	470n	0805	C8	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, D4, D5	1861422	SS110B	0,097	5	SS110-TPCT-ND	0,350	1	833-SS110FL-TP	0,323	1
28	3	C3D02065E	TO-252 (DPAK)	D10, D15, D16	-				C3D02065E-ND	0,860	1	941-C3D02065E	0,859	1
29	1	C3D03060A	THT, TO-220	D12	-				C3D03060A-ND	1,250	1	941-C3D03060A	1,240	1
30	1	US1K-DIO	DO-214AA	D3	2306342	US1K-13-F	0,146	1	US1K-FDICT-ND	0,340	1	621-US1K-F	0,366	1
31	6	1N5819HW-7-F	SOD-323	D6, D13, D19, D20, D21, D22	2306459	1N5819HW-7-F	0,183	10	1N5819HW- FDICT-ND	0,310	10	621-1N5819HW- F	0,281	10
32	5	BAS316	SOD-323	D7, D8, D9, D17, D18	8734275	BAS316,115	0,193	5	1727-7370-1-ND	0,120	1	771-BAS316-T/R	0,179	1
33	1	VIPer35L	SOIC-16	IC1	2612169	VIPER35LD	1,130	1	497-16075-5-ND	1,040	1	511-VIPER35LD	1,040	1
34	1	SI8233BB-D-IS1	SOIC-16	IC2	2423138	SI8233BB-D-IS1	2,460	1	336-3066-ND	2,050	1	634-SI8233BB-D-	2,410	
35	1	LM5041B	TSSOP-16	IC3	-				LM5041BMTC/N OPB-ND	3,110	1	926- LM5041BMTC/N OPB	3,090	1
36	1	IR11688STRPBF	SOIC-8	IC5	2780950	IR11688STRPBF	1,520	1	IR11688STRPBF CT-ND	1,680	1	942- IR11688STRPBF	1,550	1
37	1	TL072	SOIC-8	IC6	2342304	TL072CPSR	0,496	1	TL072SG- 13DICT-ND	0,350	1	621-TL072SG-13	0,340	1
38	1	TL103W	SOIC-8	IC7	1755223	TL103WID	0,665	1	296-18862-1-ND	0,610	1	595-TL103WID	0,706	1
39	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
40	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
41	2	60B684C	Murata power inductor 6000B	L5, L6	2290311	60B684C	5,140	1	811-2466-ND	2,540	1	580-60B684C	2,520	1
42	1	IHL2020CZER3R3M11	Vishay power inductor	L7	1741325	IHL2020CZER3R	1,940	5	541-1237-1-ND	2,040	1	70-	2,140	1
43	1	LTST-C170YKT	0805	LED1	2062217	SML-LX0805YC-	0,208	5	160-1175-1-ND	0,320	1	859-LTST-	0,281	1
44	2	TLP291-GB.SE-T	SOIC-4	OK1, OK3	2524307	TLP291(GB,SE	0,196	1	-			-		
45	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

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	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 €
19	1	220p	723-6247	GRM2165C1H2 21JA01D	0,067	100	CL21C221JBANNNC	0,028	100		1	TME	0,028 €	1	0,028
20	3	UPW1J152MHD	715-2981	UPW1J152MHD	2,215	2	UPW1J152MHD	1,652	1		3	Farnell	1,300 €	3	3,900
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	4	EEEFK1V470P	537-0657	EEEFK1V470P	0,394	5	EEEFK1V470P	0,130	5		4	TME	0,130 €	4	0,520
25	1	4u7	538-2335	T491A475K006A T	0,337	10	T491A475K006AT	0,094	10		1	TME	0,094 €	1	0,094
26	1	470n	174-4499	C0805X474K5R ECAUTO	0,091	100	CL21B474KBFNNNE	0,027	100		1	TME	0,027 €	1	0,027
27	4	SS110B	743-5992	SS110 R3	0,154	25	SS110-JGD	0,053	5		4	TME	0,053 €	4	0,213
28	3	C3D02065E	915-8846	C3D02065E	0,869	10	C3D02065	0,620	3		3	TME	0,620 €	3	1,860
29	1	C3D03060A	702-7447	C3D03060A	1,260	1	C3D03060A	0,850	2	1		TME	0,850 €	1	0,850
30	1	US1K-DIO	751-5130	US1K-13-F	0,106	25	US1K-DIO	0,067	10		1	TME	0,067 €	1	0,067
31	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
32	5	BAS316	397-2914	BAS316,115	0,122	50	BAS316,115	0,026	25		5	TME	0,026 €	5	0,132
33	1	VIPer35L	124-1146	VIPER35LDTR	1,544	5	-				1	Digikey	1,040 €	1	1,040
34	1	SI8233BB-D-IS1	-				-				1	Digikey	2,050 €	1	2,050
35	1	LM5041B	-				-				1	Mouser	3,090 €	1	3,090
36	1	IR11688STRPBF	-				IR11688STRPBF	1,580	1		1	Farnell	1,520 €	1	1,520
37	1	TL072	661-0066	TL072CDR	0,427	10	TL072CD-ST	0,218	3		1	TME	0,218 €	1	0,218
38	1	TL103W	809-5334	TL103WID	0,692	5	-				1	Digikey	0,610 €	1	0,610
39	1	RN214-2.5-02-3M3	133-6257	RN214-2.5-02- 3M3	1,742	1	-			1	1	Mouser	1,460 €	1	1,460
40	3	DLG-0403-180	798-0938	SDR0403- 180ML	0,336		DLG-0403-180	0,129	10		3	TME	0,129 €	3	0,386
41	2	60B684C	749-6427	60B684C	2,650	1	-				2	Mouser	2,520 €	2	5,040
42	1	IHL P2020CZER3R3M11	-				-				1	Farnell	1,940 €	1	1,940
43	1	LTST-C170YKT	692-0925	LTST-C170YKT	0,206	50	LTST-C170YKT	0,054	10		1	TME	0,054 €	1	0,054
44	2	TLP291-GB.SE-T	144-5264	TLP291(GB-	0,116	50	TLP291-GB.SE-T	0,126	5		2	RS	0,116 €	2	0,232
45	1	BCP56-16.115	773-7633	BCP56-16T3G	0,138	10	BCP56-16.115	0,146	5		1	Farnell	0,138 €	1	0,138

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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
46	4	C3M0280090D	THT, TO-247	Q2, Q3, Q4, Q6	2630827	C3M0280090D	3,710	1	C3M0280090D-ND	3,110	1	941-C3M0280090D	2,950	1
47	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
48	5	220K	1206	R1, R2, R6, R7, R32	2861964	CRGCQ1206J220K	0,012	10	311-220KFRCT-ND	0,069	10	791-WR12X2203FTL	0,015	10
49	2	470R	0805	R11, R70	1099798	WCR0805-470RFI	0,019	10	311-470CRCT-ND	0,039	10	71-CRCW0805470R FKEB	0,041	10
50	5	10K	0805	R12, R20, R65, R67, R75	9237755	RC0805FR-0710KL	0,022	10	311-10.0KCRCT-ND	0,039	10	603-RC0805FR-0710KL	0,014	10
51	4	47K	0805	R14, R18, R35, R61	2447664	MCWR08X4702FT	0,009	10	RHM47KKCT-ND	0,036	10	603-RC0805FR-	0,014	10
52	4	750R	0805	R15, R68, R69, R73	1469956	CRCW0805750RF	0,038	10	311-750CRCT-	0,036	10	603-RC0805FR-	0,020	10
53	2	12K	0805	R16, R71	1100220	WCR1206-12KFI	0,020	10	311-12.0KFRCT-	0,069	10	652-CR0805FX-	0,032	10
54	3	1K	0805	R19, R42, R49	1099800	WCR0805-1K0FI	0,019	10	RC0805FR-	0,039	10	603-RC0805FR-	0,015	10
55	1	6R2	0805	R21	2447714	MCWR08W6R20F	0,012	10	311-6.20CRCT-	0,070	10	603-RC0805FR-	0,020	10
56	7	10R	0805	R23, R24, R31, R33, R34, R41, R60	9236643	RC1206FR-0710RL	0,050	10	311-10.0CRCT-ND	0,071	10	603-RC1206FR-0710RL	0,034	10
57	3	100R	0805	R25, R27, R55	2447552	MCWR08X1000FTL	0,094	10	311-100CRCT-ND	0,039	10	RC0805FR-07100RL	0,014	10
58	8	22R/2-3W	2512	R26, R28, R38, R39, R57, R58, R63, R64	2116456	RLP73K3AR22JTE	0,380	5	A126461CT-ND	0,409	10	279-352122RFT	0,122	10
59	2	1R	0805	R29, R37	2447598	MCWR08W1R00FTL	0,012	10	311-1.00CRCT-ND	0,071	10	603-RC0805FR-131RL	0,020	10
60	4	120R	0805	R3, R5, R9, R10	2447561	MCWR08X1200FTL	0,009	10	RMCF0805FT12ORCT-ND	0,020	10	71-CRCW0805120R FKEAC	0,037	10
61	3	30K	0805	R30, R47, R74	2303701	ERJ6ENF3002V	0,058	10	P30.0KCCT-ND	0,085	10	603-RC0805FR-0730KL	0,014	10
62	2	1K8	0805	R4, R17	2447595	MCWR08X1801FTL	0,009	10	A129752CT-ND	0,028	10	652-CR0805JW-182ELF	0,008	10
63	1	6K8	0805	R43	2447711	MCWR08X6801FTL	0,094	10	311-6.80KCRCT-ND	0,039	10	652-CR0805FX-6801ELF	0,013	10
64	2	22R	0805	R44, R45	1099795	WCR0805-220RFI	0,019	10	RMCF0805FT22ROCT-ND	0,020	10	RC0805FR-07220RL	0,015	
65	1	82K	0805	R48	2447729	MCWR08X8202FTL	0,094	10	541-82.0KCCT-ND	0,047	10	603-RC0805FR-0782KL	0,014	10
66	2	3R3	0805	R59, R62	2447656	MCWR08W3R30FTL	0,012	10	RMCF0805FT3R30CT-ND	0,020	10	603-RC0805FR-073R3L	0,020	10
67	1	316K	0805	R66	2695035	MCWR08X3163FTL	0,009	10	311-316KCRCT-ND	0,036	10	667-ERJ-6ENF3163V	0,037	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 €
46	4	C3M0280090D	915-8842	C3M0280090D	3,100	2	-			4		Mouser	2,950 €	4	11,800
47	2	Option #1: IPB144N12N3G	897-7201	IPB144N12N3G ATMA1	1,166	10	IPB144N12N3GATMA 1	1,090	1		2	TME	1,090 €	2	2,180
	0	Option #2: FDD86250- F085	-				-					Farnell	0,661 €	0	0,000
	0	Option #3: IRFS4321PBF	495-877	IRFS4321PBF	2,450	1	IRFS4321PBF	1,210	2			TME	1,210 €	0	0,000
	0	Option #4: SUD80460E- GE	-				-					Mouser	0,840 €	0	0,000
48	5	220K	223-2574	CRG1206F220K	0,004	50	CRCW1206220KFKTA BC	0,031	100		5	RS	0,004 €	5	0,020
49	2	470R	223-0376	CRG0805F470R	0,021	50	RC0805FR-07470R	0,022	100		2	Farnell	0,019 €	2	0,038
50	5	10K	125-1189	CRG0805F10K	0,002	100	RC0805FR-0710K	0,022	100		5	RS	0,002 €	5	0,010
51	4	47K	679-1434	CRCW080547K	0,036	50	RC0805FR-0747K	0,022	100		4	Farnell	0,009 €	4	0,038
52	4	750R	679-1660	CRCW0805750	0,041	50	CRCW0805750RFKTA	0,025	100		4	Mouser	0,020 €	4	0,080
53	2	12K	223-2401	CRG1206F12K	0,008	50	RC1206JR-0712K	0,018	100		2	RS	0,008 €	2	0,016
54	3	1K	223-0427	CRG0805F1K0	0,017	50	RC0805FR-071K	0,022	100		3	Mouser	0,015 €	3	0,045
55	1	6R2	-				RC0805JR-076R2	0,034	100		1	Farnell	0,012 €	1	0,012
56	7	10R	740-9085	CR1206-FX- 10R0ELF	0,036	50	CRCW120610R0FKTA BC	0,031	100		7	TME	0,031 €	7	0,217
57	3	100R	679-0807	CRCW0805100 RFKEA	0,043	50	SMD0805-100R-1%	0,022	100		3	Mouser	0,014 €	3	0,042
58	8	22R/2-3W	224-0187	352022RJT	0,128	10	WF25P-22R-5%	0,072	50		8	TME	0,072 €	8	0,572
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	120R	223-0304	CRG0805F120R	0,035	50	SMD0805-120R-1%	0,022	100		4	Farnell	0,009 €	4	0,038
61	3	30K	-				SMD0805-30K-1%	0,022	100		3	Mouser	0,014 €	3	0,042
62	2	1K8	223-0461	CRG0805F1K8	0,022	50	SMD0805-1K8-1%	0,022	100		2	Mouser	0,008 €	2	0,016
63	1	6K8	223-0540	CRG0805F6K8	0,006	50	SMD0805-6K8-1%	0,022	100		1	RS	0,006 €	1	0,006
64	2	22R	223-0332	CRG0805F220R	0,024	50	RC0805FR-07220R	0,007	100		2	TME	0,007 €	2	0,014
65	1	82K	223-0685	CRG0805F82K	0,025	50	SMD0805-82K-1%	0,008	100		1	TME	0,008 €	1	0,008
66	2	3R3	794-4140	CRL0805-FW- 3R30ELF	0,045	10	CRCW08053R30FKTA BC	0,029	100		2	Farnell	0,012 €	2	0,023
67	1	316K	-				CRCW0805316KFKTA BC	0,025	100		1	Farnell	0,009 €	1	0,009

#	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
68	1	3K3	0805	R72	2447651	MCWR08X3301FT L	0,009	10	311-3.30KCRCT- ND	0,039	10	652-CR0805- FX3301GLF	0,013	10
69	1	16K	0805	R76	1652925	CRCW080516K0F KEA	0,036	10	311-16.0KCRCT- ND	0,090	1	603-RC0805FR- 0716KL	0,014	10
70	1	220R	0805	R77	1099795	WCR0805-220RFI	0,019	10	RMCF0805FT22 0RCT-ND	0,020	10	603-RC0805FR- 13220RL	0,020	10
71	2	100K	0805	R8, R40	2447551	MCWR08X1003FT L	0,009	10	311-100KCRCT- ND	0,039	10	603-RC0805FR- 10100KL	0,017	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	39-30-1039	THT, Minifit Jr. 3-pin	X1	2425045	39-30-1039	0,453	10	WM18442-ND	0,570	1	538-39-30-1039	0,430	1
74	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
75	1	39-28-1023	THT, Minifit Jr. 2-pin	X5	9732080	39-28-1023	0,367	1	WM3800-ND	0,530	1	538-39-28-1023	0,530	1
76	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
77	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
78	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
79	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

Custom made components

80	1	Custom QR Flyback	3+1 secondary, EF-20 bobbin	TR1	http://www.dokumentacja.feryster.pl/rysuj.php?lang=en&indeks=34866d690a7c2963cfec1b9c23eb8bca									
81	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	-										

Not installed / optional

2	N.C.	THT, Ceramic Y1, RM 10	C4A, C5A										
1	N.C.	0805	C48										
1	100n	0603, X7R	C49	2522597	C0603C104K4RAC 7081	0,011	10	490-4774-1-ND	0,029	100	80- C0603C104M4R	0,007	100
1	100n/100V	0805	C58										
1	N.C.	1206	C59										
2	N.C.	0603, X7R	C6, C50										
2	N.C.	SOD-323	D11, D14										
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	LM258D	SOIC-8	IC4										
1	LTST-C170KRKT	0805	LED2										

#	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 €
68	1	3K3	223-0499	CRG0805F3K3	0,027	50	SMD0805-3K3-1%	0,022	100		1	Farnell	0,009 €	1	0,009
69	1	16K	679-0920	CRCW080516K0FKEA	0,041	50	SMD0805-16K-1%	0,022	100		1	Mouser	0,014 €	1	0,014
70	1	220R	223-0332	CRG0805F220R	0,018	50	SMD0805-220R-1%	0,022	100		1	RS	0,018 €	1	0,018
71	2	100K	223-0691	CRG0805F100K	0,007	50	SMD0805-100K-1%	0,022	100		2	RS	0,007 €	2	0,014
72	1	53100C	715-7037	53100C	1,480	1	-				1	RS	1,480 €	1	1,480
73	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
74	1	90136-1208	360-6651	90136-120	0,754	5	MX-90136-1208	0,560	3	1		TME	0,560 €	1	0,560
75	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
76	1	BZX384-C13	822-2198	BZT52C13S-7-F	0,093	100	BZX384-C13.115	0,025	25		1	TME	0,025 €	1	0,025
77	1	BZT52C20-DC	822-2214	BZT52C20S-7-F	0,093	100	BZT52C20-DC	0,052	10		1	Farnell	0,047 €	1	0,047
78	2	MMSZ5V1T1G	792-0973	BZX384-B6V2,115	0,016	20	MMSZ5V1T1G	0,023	25		2	RS	0,016 €	2	0,032
79	1	PDZ6.2B	-				PDZ6.2	0,022	25		1	TME	0,022 €	1	0,022
										22	164	52,57 €			

Custom made componer															
80	1	Custom QR Flyback										Feryster	2,200 €	1	2,200
81	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 €

Not installed / optional															
2	N.C.											Farnell	0,000 €		0,000
1	N.C.											Farnell	0,000 €		0,000
1	100n	393-6952	VJ0603Y104KXJ AT	0,069	25	CL10B104KA8NNNC	0,098	100			1	Mouser	0,007 €		0,000
1	100n/100V											Farnell	0,000 €		0,000
1	N.C.											Farnell	0,000 €		0,000
2	N.C.											Farnell	0,000 €		0,000
2	N.C.											Farnell	0,000 €		0,000
2	BAS316	397-2914	BAS316,115	0,122	50	BAS316,115	0,026	25			2	TME	0,026 €		0,000
1	LM258D											Farnell	0,000 €		0,000
1	LTST-C170KRKT											Farnell	0,000 €		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		NTCALUG03A103HC	NTC 10K 3%, mini Lug with connector	NTC1								594-NTCALUG03A103HC	1,550	1
1		TLP291-GB.SE-T	SOIC-4	OK2	2524307	TLP291(GB,SE	0,196	1	-			-		
1		T910W-50K	THT, multiturn potentiometer	P1										
1		NYC0102BLT1G	SOT-23	Q5										
3		N.C.	0805	R13, R22, R50										
3		1K	0805	R36, R46, R52	1099800	WCR0805-1K0FI	0,019	10	RC0805FR-	0,039	10	603-RC0805FR-	0,015	10
1		4K7	0805	R51										
1		30K	0805	R53	2303701	ERJ6ENF3002V	0,058	10	P30.0KCCT-ND	0,085	10	603-RC0805FR-	0,014	10
1		10K	0805	R54	9237755	RC0805FR-0710KL	0,022	10	311-10.0KCRCT-ND	0,039	10	603-RC0805FR-0710KL	0,014	10
1		N.C.	1210	R56										
6			THT, test pin	TP1, TP2, TP3, TP4, TP5,										
2		B2B-ZR	B2B-ZR	X2, X4										
1		SMAJ58A-TR	DO-214AC	ZD6										

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.

EEZ CF-DIC BOM (r4B4, 2018-09-14)

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 €
1	NTCALUG03A103HC						-					Mouser	1,550 €	0,000	
1	TLP291-GB.SE-T	144-5264	TLP291(GB-TP,SE(T	0,116	50	TLP291-GB.SE-T	0,126	5	1	RS	0,116 €		0,000		
1	T910W-50K						T910W-50K			0,252	5	1	TME	0,252 €	0,000
1	NYC0102BLT1G											Farnell	0,000 €	0,000	
3	N.C.											Farnell	0,000 €	0,000	
3	1K	223-0427	CRG0805F1K0	0,017	50	RC0805FR-071K	0,022	100	3	Mouser	0,015 €		0,000		
1	4K7											Farnell	0,000 €	0,000	
1	30K						SMD0805-30K-1%			0,022	100	Mouser	0,014 €	0,000	
1	10K	125-1189	CRG0805F10K	0,002	100	RC0805FR-0710K	0,022	100	1	RS	0,002 €		0,000		
1	N.C.											Farnell	0,000 €	0,000	
6							TEST-5			0,082	10	7	TME	0,082 €	0,000
2	B2B-ZR						B2B-ZR			0,214	5	1	TME	0,214 €	0,000
1	SMAJ58A-TR											Farnell	0,000 €	0,000	
														0,00 €	