

EEZ CF-DIC BOM (r5B7, 2019-03-22)
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	2	2n2	0805	C28, 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	CY1Y-4N7	THT, Ceramic Y1, RM 10	C4, C8, C20	2440246	C951U472MVVDB A7317	0,772	1	399-9504-1-ND	0,293	10	80-C941U472MYVD BAP	0,215	10
16	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
17	2	470p	0805, C0G	C49, C50	1759217	MC0805N471J500 CT	0,061	10	732-7837-1-ND	0,059	10	710-885012007038	0,056	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	5	EEEFK1V470P	Ø6.3 x 5.8 mm	C6, C11, C12, C18, C24	9695850	EEEFK1V470P	0,344	1	PCE3842CT-ND	0,312	10	667-EEE-FK1V470P	0,238	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	2	2n2	264-4359	C0805C222K5R ACTU	0,031	25	VJ0805Y222KXACW1 BC	0,020	100		2	TME	0,020 €	2	0,039
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	CY1Y-4N7	-				CY1Y-4N7	0,153	10	3		TME	0,153 €	3	0,458
16	3	2n2/1kV	723-6492	GRM31BR73A2 22KW01L	0,246	25	1206B222K102CT	0,030	50		3	TME	0,030 €	3	0,089
17	2	470p	378-700	0805CG471J9B B	0,040	25	CC0805JRNPO9BN47 1	0,024	100		2	TME	0,024 €	2	0,048
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	CL31B105KCHSNE	0,211	10		2	TME	0,211 €	2	0,422
20	5	EEEFK1V470P	537-0657	EEEFK1V470P	0,394	5	EEEFK1V470P	0,130	5		5	TME	0,130 €	5	0,650

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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	9	1u	0805	C7, C10, C13, C29, C44, C46, C53, C56, C80	2896566	VJ0805Y105KXXTW1BC	0,084	5	587-1283-1-ND	0,090	10	603-CC805MKX7R7B105	0,062	10
24	1	100p	0805, C0G	C77	2896466	VJ0805A101JXACW1BC	0,041	10	399-1121-1-ND	0,061	10	80-C0805C101J5G	0,022	10
25	1	1n	0805, C0G	C78	2896470	VJ0805A102JXACW1BC	0,044	10	732-7858-1-ND	0,055	10	710-885012007040	0,052	10
26	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
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	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
30	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
31	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
32	1	0031.7601	THT, TR5 fuse holder	F1	4591999	0031.7601	0,628	1	486-1244-ND	0,830	1	693-0031.7601	0,840	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-IS1	2,410	1
35	1	LM5041B	TSSOP-16	IC3	-				LM5041BMTC/NOPB-ND	3,110	1	926-LM5041BMTC/NOPB	3,090	1
36	2	LM258D	SOIC-8	IC4, IC6	2323288	LM258D	0,274	5	296-14591-1-ND	0,271	10	595-LM258DR	0,248	10
37	1	IR11688STRPBF	SOIC-8	IC5	2780950	IR11688STRPBF	1,520	1	IR11688STRPBFCT-ND	1,680	1	942-IR11688STRPBF	1,550	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	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
41	2	60B684C	Murata power inductor 6000B	L7, L8	2290311	60B684C	5,140	1	811-2466-ND	2,540	1	580-60B684C	2,520	1
42	1	3u3/5A	Vishay power inductor	L9	1741325	IHLP2020CZER3R3M11	1,940	5	541-1237-1-ND	2,040	1	70-IHLP2020CZER3R3M1	2,140	1
43	1	L-934EB/1Y1ID-R	0805	LED1	-				-			-		
44	3	TLP291-GB.SE-T	SOIC-4	OK1, OK2, OK3	2524307	TLP291(GB,SE	0,196	1	-			-		
45	1	MMBT5551	SOT-23	Q1	1459109	MMBT5551LT1G	0,154	5	MMBT5551LT1GOSCT-ND	0,180	1	863-MMBT5551LT1G	0,170	1
46	2	C3M0280090D	THT, TO-247	Q2, Q3	2630827	C3M0280090D	3,710	1	C3M0280090D-ND	3,110	1	941-C3M0280090D	2,950	1
47	1	NYC0102BLT1G	SOT-23	Q4	2533159	NYC0102BLT1G	0,360	5	NYC0102BLT1GOSCT-ND	0,430	1	863-NYC0102BLT1G	0,472	1
48	2	IRFP4332PBF	THT, TO-247	Q5, Q6	1436966	IRFP4332PBF	3,820	1	IRFP4332PBF-ND	4,280	1	942-IRFP4332PBF	3,670	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	9	1u	451-5770	C0805C105K4R ACTU	0,028	25	CL21B105KOFNNNE	0,010	100		9	TME	0,010 €	9	0,094
24	1	100p	461-3997	CC0805JRNPO9 BN101	0,017	25	VJ0805A101JXACW1 BC	0,024	100		1	RS	0,017 €	1	0,017
25	1	1n	723-6408	GRM2195C1H1 02JA01D	0,031	100	CL21C102JBCNNNC	0,026	100		1	TME	0,026 €	1	0,026
26	6	SS110B	743-5992	SS110 R3	0,154	25	SS110-JGD	0,053	5		6	TME	0,053 €	6	0,319
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	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
30	2	US1K-DIO	751-5130	US1K-13-F	0,106	25	US1K-DIO	0,067	10		2	TME	0,067 €	2	0,135
31	9	BAS316	397-2914	BAS316,115	0,122	50	BAS316,115	0,026	25		9	TME	0,026 €	9	0,238
32	1	0031.7601	866-4790	0031.7601	0,442	50	0031.7601	0,281	5	1		TME	0,281 €	1	0,281
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	2	LM258D	660-9555	LM258DGKR	0,244	10	LM258D-ST	0,114	5		2	TME	0,114 €	2	0,227
37	1	IR11688STRPBF	-				IR11688STRPBF	1,580	1		1	Farnell	1,520 €	1	1,520
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		Mouser	1,460 €	1	1,460
40	4	DLG-0403-180	798-0938	SDR0403- 180ML	0,336		DLG-0403-180	0,129	10		4	TME	0,129 €	4	0,514
41	2	60B684C	749-6427	60B684C	2,650	1	-				2	Mouser	2,520 €	2	5,040
42	1	3u3/5A	-				HPI0630-3R3	0,335	1		1	TME	0,335 €	1	0,335
43	1	L-934EB/1Y1ID-R	-				L-934EB/1Y1ID-R	0,290	1		1	TME	0,290 €	1	0,290
44	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
45	1	MMBT5551	545-0400	MMBT5551LT1 G	0,146	10	MMBT5551	0,024	25		1	TME	0,024 €	1	0,024
46	2	C3M0280090D	915-8842	C3M0280090D	3,100	2	-			2		Mouser	2,950 €	2	5,900
47	1	NYC0102BLT1G	808-3993	NYC0102BLT1G	0,268	50	NYC0102BLT1G-LF	0,166	3		1	TME	0,166 €	1	0,166
48	2	IRFP4332PBF	-				IRFP4332PBF	1,790	1	2		TME	1,790 €	2	3,580

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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
49	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
	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
50	6	120R	0805	R1, R5, R10, R12, R15, R66	2447561	MCWR08X1200FTL	0,009	10	RMCF0805FT120RCT-ND	0,020	10	71-CRCW0805120RFKEAC	0,037	10
51	3	30K	0805	R16, R33, R62	2303701	ERJ6ENF3002V	0,058	10	P30.0KCCT-ND	0,085	10	603-RC0805FR-0730KL	0,014	10
52	13	1K	0805	R17, R21, R42, R44, R56, 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
53	2	470K	1206, High Voltage	R2, R3	2826395	MCHVR06JTEV4703	0,060	10	RHM470KPCT-ND	0,115	10	603-RV1206FR-07470KL	0,184	10
54	2	47K	0805	R20, R39	2447664	MCWR08X4702FTL	0,009	10	RHM47KKCT-ND	0,036	10	603-RC0805FR-0747KL	0,014	10
55	11	10R	0805	R23, R25, R32, R36, R37, 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
56	4	10K	0805	R24, R63, R77, R81	9237755	RC0805FR-0710KL	0,022	10	311-10.0KCRCT-ND	0,039	10	603-RC0805FR-0710KL	0,014	10
57	2	100R	0805	R28, R29	2447552	MCWR08X1000FTL	0,094	10	311-100CRCT-ND	0,039	10	RC0805FR-07100RL	0,014	10
58	5	22R/2-3W	2512	R30, R33, R41, R67, R76	2116456	RLP73K3AR22JTE	0,380	5	A126461CT-ND	0,409	10	279-352122RFT	0,122	10
59	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
60	2	1R	0805	R35, R40	2447598	MCWR08W1R00FTL	0,012	10	311-1.00CRCT-ND	0,071	10	603-RC0805FR-131RL	0,020	10
61	4	1K8	0805	R4, R18, R84, R87	2447595	MCWR08X1801FTL	0,009	10	A129752CT-ND	0,028	10	652-CR0805JW-182ELF	0,008	10
62	1	8K2	0805	R46	2447732	MCWR08X8201FTL	0,010	10	311-8.20KCRCT-ND	0,037	10	652-CR0805FX-8201ELF	0,013	10
63	1	15K	0805	R50	1099808	WCR0805-15KFI	0,019	10	A126341CT-ND	0,041	10	71-CRCW080515K0FKEBC	0,013	10
64	1	68K	0805	R52	2861918	CRGCQ0805J68K	0,010	10	A126382CT-ND	0,045	10	652-CR0805FX-6802ELF	0,013	10
65	2	220R	0805	R54, R92	1099795	WCR0805-220RFI	0,019	10	RMCF0805FT220RCT-ND	0,020	10	603-RC0805FR-13220RL	0,020	10
66	1	6R2	0805	R55	2447714	MCWR08W6R20FTL	0,012	10	311-6.20CRCT-ND	0,070	10	603-RC0805FR-076R2L	0,020	10
67	2	7K5	0805	R57, R91	2447722	MCWR08X7501FTL	0,010	10	311-7.50KCRCT-ND	0,040	10	667-ERJ-6ENF7501V	0,040	10
68	2	5K6	0805	R59, R90	2447693	MCWR08X5601FTL	0,010	10	RC0805FR-075K6L	0,040		RC0805FR-075K6L	0,027	
69	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
70	2	470R	0805	R78, R79	1099798	WCR0805-470RFI	0,019	10	311-470CRCT-ND	0,039	10	71-CRCW0805470RFKEB	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 €
49	2	Option #1: FDD86250-F085	-				-				2	Mouser	1,280 €	2	2,560
	0	Option #2: SUD80460E-GE	-				-					Mouser	0,840 €	0	0,000
50	6	120R	223-0304	CRG0805F120R	0,035	50	SMD0805-120R-1%	0,022	100		6	Farnell	0,009 €	6	0,056
51	3	30K	-				SMD0805-30K-1%	0,022	100		3	Mouser	0,014 €	3	0,042
52	13	1K	223-0427	CRG0805F1K0	0,017	50	RC0805FR-071K	0,022	100		13	Mouser	0,015 €	13	0,195
53	2	470K	-				-				2	Farnell	0,060 €	2	0,121
54	2	47K	679-1434	CRCW080547K0FKEA	0,036	50	RC0805FR-0747K	0,022	100		2	Farnell	0,009 €	2	0,019
55	11	10R	740-9085	CR1206-FX-10R0ELF	0,036	50	CRCW120610R0FKTABC	0,031	100		11	TME	0,031 €	11	0,341
56	4	10K	125-1189	CRG0805F10K	0,002	100	RC0805FR-0710K	0,022	100		4	RS	0,002 €	4	0,008
57	2	100R	679-0807	CRCW0805100RFKEA	0,043	50	SMD0805-100R-1%	0,022	100		2	Mouser	0,014 €	2	0,028
58	5	22R/2-3W	224-0187	352022RJT	0,128	10	WF25P-22R-5%	0,072	50		5	TME	0,072 €	5	0,358
59	5	86K6	-				CRCW080586K6FKTABC	0,025	100		5	TME	0,025 €	5	0,125
60	2	1R	740-9151	CR0805-J/-1R0ELF	0,027	50	SMD0805-1R-1%	0,032	100		2	Farnell	0,012 €	2	0,023
61	4	1K8	223-0461	CRG0805F1K8	0,022	50	SMD0805-1K8-1%	0,022	100		4	Mouser	0,008 €	4	0,032
62	1	8K2	223-0556	CRG0805F8K2	0,021	50	SMD0805-8K2-1%	0,014	100		1	Farnell	0,010 €	1	0,010
63	1	15K	223-0584	CRG0805F15K	0,023	50	SMD0805-15K	0,013	100		1	Mouser	0,013 €	1	0,013
64	1	68K	223-0663	CRG0805F68K	0,027	50	SMD0805-68K-1%	0,014	100		1	Farnell	0,010 €	1	0,010
65	2	220R	223-0332	CRG0805F220R	0,018	50	SMD0805-220R-1%	0,022	100		2	RS	0,018 €	2	0,036
66	1	6R2	-				RC0805JR-076R2	0,034	100		1	Farnell	0,012 €	1	0,012
67	2	7K5	679-1686	CRCW08057K50FKEA	0,038	50	SMD0805-7K5-1%	0,023	100		2	Farnell	0,010 €	10	0,097
68	2	5K6	679-1572	CRCW08055K60FKEA	0,029	50	SMD0805-5K6-1%	0,023	100		2	Farnell	0,010 €	2	0,019
69	6	4K7	223-0528	CRG0805F4K7	0,023	50	SMD0805-4K7-1%	0,023	100		6	Farnell	0,012 €	6	0,070
70	2	470R	223-0376	CRG0805F470R	0,021	50	RC0805FR-07470R	0,022	100		2	Farnell	0,019 €	2	0,038

#	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
71	7	100K	1206, High Voltage	R8, R9, R11, R13, R14, R22, R27	2826380	MCHVR06JTEV1003	0,060	10		RHM100KPCT-ND	0,115	10	603-RV1206FR-07100KL	0,217	10
72	1	150K	0805	R80	2447573	MCWR08X1503FTL	0,010	10		311-150KCRCT-ND	0,037	10	667-ERJ-6ENF1503V	0,040	10
73	1	27K	0805	R86	2447620	MCWR08X2702FTL	0,092	10		311-27.0KCRCT-ND	0,037	10	603-RC0805FR-0727KL	0,027	10
74	1	3K3	0805	R88	2447651	MCWR08X3301FTL	0,009	10		311-3.30KCRCT-ND	0,039	10	652-CR0805-FX3301GLF	0,013	10
75	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
76	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
77	1	22-05-7095	THT, SPOX, socket 9-pin, right angle	X2	-					WM18907-ND	1,090	1	538-22-05-7095	0,781	10
78	1	B2B-ZR	THT, 2-pin, 1.5mm	X3	9491775	B2B-ZR(LF)(SN)	0,071	100		455-1657-ND	0,150	1	-		
79	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
80	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
81	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
82	1	MMSZ5V1T1G	Zener SOD-123	ZD3	1431291	MMSZ5V1T1G	0,158	5		MM3Z5V1ST1GOSCT-ND	0,140	1	621-DDZ5V1BSF-7	0,170	1
83	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	NTCALUG03A103HC	1,960	1			BC2382-ND	2,340	1	594-NTCALUG03A103HC	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	-												
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											

EEZ CF-DIC BOM (r5B7, 2019-03-22)

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 €	
71	7	100K	-				-				7	Farnell	0,060 €	7	0,422	
72	1	150K	223-0714	CRG0805F150K	0,023	50	SMD0805-150K-1%	0,023	100		1	Farnell	0,010 €	10	0,097	
73	1	27K	223-0613	CRG0805F27K	0,026	50	SMD0805-27K-1%	0,014	100		1	TME	0,014 €	10	0,145	
74	1	3K3	223-0499	CRG0805F3K3	0,027	50	SMD0805-3K3-1%	0,022	100		1	Farnell	0,009 €	1	0,009	
75	1	53100C	715-7037	53100C	1,480	1	-				1	RS	1,480 €	1	1,480	
76	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	
77	1	22-05-7095	687-8118	22-05-7095	0,227	10	-			1		RS	0,227 €	1	0,227	
78	1	B2B-ZR	762-0800	B2B-ZR(LF)	0,520	5	B2B-ZR	0,214	5	1		Farnell	0,071 €	1	0,071	
79	1	39-30-1020	484-1883	39-30-1020	0,354	5	MX-5566-02A	0,104	5	1		TME	0,104 €	1	0,104	
80	1	BZT52C13	822-2194	BZT52C13-7-F	0,067	200	BZT52C13-7-F	0,022	25		1	TME	0,022 €	1	0,022	
81	1	BZT52C20-DC	822-2214	BZT52C20S-7-F	0,093	100	BZT52C20-DC	0,052	10		1	Farnell	0,047 €	1	0,047	
82	1	MMSZ5V1T1G	544-9753	MMSZ5V1T1G	0,109	50	MMSZ5V1T1G	0,023	25		1	TME	0,023 €	1	0,023	
83	1	BZT52C6V2	751-3806	BZT52C6V2-7-F	0,044	100	BZT52C6V2-7-F	0,022	25		1	TME	0,022 €	1	0,022	
											22	198				48,15 €

Custom made componen															
1	NTCALUG03A103HC	179-3922	NTCALUG03A103HC	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
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

EEZ CF-DIC BOM (r5B7, 2019-03-22)
Project source code at <https://github.com/eez-open/CF-DIC>

#	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		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	-										
1		37213150431	3.15 A subminiature TR5 fuse	-	9516182	37213150431	1,070	1	WK6321-ND	0,770	1	576-3721315000	0,770	1
Not installed / optional														
2		100n	0603	C5, C55	2522597	C0603C104K4RAC7081	0,011	10	490-4774-1-ND	0,029	100	80-C0603C104M4R	0,007	100
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										
4		N.C.	0805	R26, R38, R93, R94										
1		N.C.	1210	R68										
2		N.C.	2512	R43, R70										
1		Test pin	THT, test pin	TP1										
1		MMSZ5V1T1G	Zener SOD-123	ZD4	1431291	MMSZ5V1T1G	0,158	5	MM3Z5V1ST1GOSCT-ND	0,140	1	621-DDZ5V1BSF-7	0,170	1
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.

#	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		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
1		37213150431	-				37213150431	0,480	2			TME	0,480 €	1	0,480
															17,32 €

Not installed / optional															
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
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
4	N.C.									4		Farnell	0,000 €	4	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	MMSZ5V1T1G	544-9753	MMSZ5V1T1G	0,109	50	MMSZ5V1T1G	0,023	25		1		TME	0,023 €	1	0,023
1	SMAJ58A-TR									1		Farnell	0,000 €		0,000

Total 65,48 €