

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	1u/100V	1206	C1	2579026	C1206X105K1RAC AUTO	0,635	5	311-1948-6-ND	0,271	10	810- C3216X7R2A105 M	0,227	10
2	1	330p	C0G, 0805	C11	1414686	C0805C331J5GAC TU	0,054	10	1276-1189-1-ND	0,049	10	80- C0805C331J5G	0,036	10
3	3	22u	1206, 10V	C12, C53, C73	2112754	MC1206X226M100 CT	0,616	5	1276-1287-1-ND	0,265	10	963- LMK316ABJ226 ML-T	0,155	10
4	7	10n	0805	C14, C18, C22, C32, C33, C64, C84	2896555	VJ0805Y103JXXP W1BC	0,065	10	490-7194-1-ND	0,017	10	710- 885012207122	0,036	10
5	1	33p	C0G, 0603	C15	1759197	MC0805N330J500 CT	0,042	10	1276-1105-1-ND	0,048	10	C0805C330K5G ACTU	0,036	10
6	6	10n/200V	1206	C2, C3, C54, C61, C74, C81	2812560	885342207005	0,078	5	311-4491-1-ND	0,150	10	603- C1206KRX7RAB B103	0,129	10
7	2	4p7	C0G, 0603	C30, C31	2627469	MC0603N4R7C500 CT	0,329	10	311-1740-1-ND	0,054	10	710- 885012006049	0,072	10
8	1	1n	0805	C34	2896470	VJ0805A102JXAC W1BC	0,044	10	732-7858-1-ND	0,055	10	710- 885012007040	0,052	10
9	5	1u	0805	C36, C51, C55, C71, C75	2896566	VJ0805Y105KXXT W1BC	0,084	5	587-1283-1-ND	0,090	10	603- CC805MKX7R7B B105	0,062	10
10	7	4n7	C0G, 0805	C37, C39, C40, C41, C42, C65, C85	1828942	GRM2165C1H472J A01D	0,184	10	732-12255-1-ND	0,162	10	810- C2012C0G1H47 2J-1	0,072	10
11	6	4u7	1206	C4, C5, C13, C27, C47, C68	1907356	C3216X7R1E475K 160AC	0,240	5	1276-2970-1-ND	0,199	10	963- EMK316B7475M L-T	0,129	10
12	2	EEEFK1H470	Ø8mm, low ESR	C44, C66	9695931	EEEFK1H470P	0,419	1	PCE3815CT-ND	0,590	1	667-EEE- FK1H470P	0,524	1
13	2	100p	C0G, 0805	C46, C67	2896861	C0805C101JAGAC TU	0,023	10	399-15000-1-ND	0,019	10	80- C0805C101K5G	0,032	10
14	4	10u	1210, 50V	C48, C50, C69, C70	2672214	GRT31CR61H106 KE01L	0,684	5	1276-6736-1-ND	0,184	10	810- C3216X7R1HK1 60AC	0,597	10
15	2	220n	0805	C52, C72	2320828	MC0805B224J250 CT	0,087	5	1276-6477-1-ND	0,520	10	963- EMK212B7224K G-T	0,059	10
16	2	680p	0805	C56, C76	2524913	0805B681K500CT	0,049	10	1276-2538-1-ND	0,049	10	710- 885012207085	0,036	10
17	4	22u	1210, 25V	C57, C58, C77, C78	2320935	MC1210X226K250 CT	1,490	1	1276-3373-1-ND	0,369	10	603- CC121KKX7R8B B226	0,777	10
18	2	EEEFK1V470P	Ø8mm, low ESR	C59, C79	9695850	EEEFK1V470P	0,368	1	PCE3842CT-ND	0,460	1	667-EEE- FK1V470P	0,445	1
19	3	2u2	1206, 50V	C6, C9, C20	2991428	C1206C225K5REC TU	0,181	5	1276-2723-1-ND	0,132	10	80- C1206C225M5R ECLR	0,106	10
20	2	EEEFK1J101P	Ø10mm, low ESR	C60, C80	9696040	EEEFK1J101P	1,020	1	PCE3819CT-ND	0,780	1	667-EEE- FK1J101P	0,690	1

RS Components							TME			Technology		Price calculation for 1 set			
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1	1	1u/100V	136-4396	12061C105KAT 2A	0,294	50	-				1	Mouser	0,227 €	1	0,227
2	1	330p	176-3198	0805N331J500C T	0,037	200	CL21C331JBANNNC	0,029	100		1	TME	0,029 €	1	0,029
3	3	22u	172-1532	LMK316ABJ226 KL	0,095	50	CL31A226MOCLNNC	0,083	100		3	TME	0,083 €	3	0,250
4	7	10n	464-6672	08055C103KAT 2A	0,026	50	CC0805KRX7R9103	0,027	100		7	Digikey	0,017 €	7	0,119
5	1	33p	264-4264	C0805C330J5G ACTU	0,069	25	CL21C330JBANNNC	0,015	100		1	TME	0,015 €	1	0,015
6	6	10n/200V	669-8647	CC1206KRX7R ABB103	0,128	25	VJ1206Y103KXCTW1 BC	0,019	100		6	TME	0,019 €	6	0,114
7	2	4p7	298-9315	C0603C479C5G ACTU	0,024	25	CL10C4R7CB8NNNC	0,024	100		2	RS	0,024 €	2	0,048
8	1	1n	723-6408	GRM2195C1H1 02JA01D	0,031	100	CL21C102JBCNNNC	0,026	100		1	TME	0,026 €	1	0,026
9	5	1u	451-5770	C0805C105K4R ACTU	0,028	25	CL21B105KOFNNNE	0,010	100		5	TME	0,010 €	5	0,052
10	7	4n7	741-4529	C2012C0G1H47 2J060AA	0,056	100	GRM2165C1H472JA0 1D	0,021	100		7	TME	0,021 €	7	0,147
11	6	4u7	691-1221	C1206C475K3R ACTU	0,232	25	GCM31CR71E475KA5 5L	0,381	10		6	Mouser	0,129 €	6	0,774
12	2	EEEFK1H470	537-0590	EEEFK1H470P	0,510	5	EEEFK1H470P	0,183	5		2	TME	0,183 €	2	0,366
13	2	100p	461-3997	CC0805JRNPO9 BN101	0,030	50	CL21C101JBANNNC	0,026	100		2	Digikey	0,019 €	2	0,038
14	4	10u	103-4163	UMK316BBJ106 KL-T	0,236	20	CL31A106KBHNNNE	0,546	10		4	Digikey	0,184 €	4	0,736
15	2	220n	103-4126	UMK212B7224K G-T	0,039	50	CL21B224KAFNNNE	0,022	100		2	TME	0,022 €	2	0,044
16	2	680p	-				CL21C681JBCNNNC	0,048	100		2	Mouser	0,036 €	2	0,072
17	4	22u	766-1182	CL32A226KAJN NNE	0,343	10	CL32A226KAJNNNE	0,158	10		4	TME	0,158 €	4	0,632
18	2	EEEFK1V470P	537-0657	EEEFK1V470P	0,422	1	EEEFK1V470P	0,130	5		2	TME	0,130 €	2	0,260
19	3	2u2	184-3509	UMK316B7225K LHT	0,151	10	CL31B225KBHNNNE	0,029	50		3	TME	0,029 €	3	0,086
20	2	EEEFK1J101P	708-3623	EEEFK1J101P	0,676	5	EEEFK1J101P	0,321	5		2	TME	0,321 €	2	0,642

EEZ DIB DCM224 BOM (r3B3, 2020-08-07)
Project source code at <https://github.com/eez-open/modular-psu>

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						Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ
21	2	470p	0805	C62, C82	1759217	MC0805N471J500 CT	0,061	10	732-7837-1-ND	0,059	10	710- 885012007038	0,056	10
22	2	33n	0805	C63, C83	2627479	MC0805B333K250 CT	0,046	10	1276-1796-1-ND	0,057	10	710- 885012207069	0,036	10
23	17	100n	0603	C7, C8, C10, C16, C17, C19, C23, C24, C25, C26, C28, C29, C35, C38, C43, C45, C49	2522597	C0603C104K4RAC 7081	0,011	10	490-4774-1-ND	0,029	100	80- C0603C104M4R	0,007	100
24	8	SKL16	SOD-123	D1, D2, D3, D4, D5, D6, D7, D8	2673070	RB160MM-60TR	0,282	5	RB160MM-60CT- ND	0,264	10	755-RB160MM- 60TR	0,233	10
25	1	BLM18AG102SH1D	0603	FB1	1515671	BLM18AG102SN1 D	0,053	10	490-7809-1-ND	0,081	10	81- BLM18AG102SH 1D	0,063	10
26	1	Si8662AB-B-IS1	SOIC-16	IC1	2423351	SI8662AB-B-IS1	1,850	1	SI8662AB-B-IS1- ND	1,920	1	634-SI8662AB-B- IS1	1,760	1
27	2	LT3763EFE#PBF	TSSOP-28	IC10, IC12	-				LT3763EFE#PBF -ND	4,950	1	584- LT3763EFE#PBF	4,830	1
28	1	MC33274ADR2G	SOIC-14	IC11	2531387	MC33274ADR2G	1,010	1	MC33274ADR2G OSCT-ND	1,190	1	863- MC33274ADR2G	1,020	1
29	1	TPS54060DGQ	MSOP-10	IC2	1710820	TPS54060DGQ .	3,030	1	296-37148-1-ND	2,630	1	595- TPS54060DGQR	2,490	1
30	1	Si8641AB-B-IS1	SOIC-16	IC3	2423288	SI8641AB-B-IS1	1,460	1	SI8641AB-B-IS1- ND	1,530	1	634-SI8641AB-B- IS1	1,410	1
31	1	M24C32-WMN6P	SOIC-8	IC4	1224413	M24C32-WMN6P	0,212	5	-			511-M24C32- WMN6P	0,210	1
32	1	LP2985-33DBVR	SOT-23-5	IC5	1053660	LP2985A- 33DBVTE4 .	0,610	1	296-18476-1-ND	0,540	1	595-LP2985- 33DBVR	0,507	1
33	1	74HC2G04GW,125		IC6	2777732	74HC2G04GW,125	0,283	5	1727-6045-1-ND	0,274	10	771- HC2G04GW125	0,248	10
34	1	STM32F373C8T6	LQFP-48	IC7	2333274	STM32F373C8T6	4,420	1	497-13306-ND	3,940	1	511- STM32F373C8T 6	3,840	1
35	1	TL431BIDBZR	SOT-23	IC8	2095470	TL431BCDBZR	0,310	5	296-18866-1-ND	0,305	10	771- TL431BIDBZR21 5	0,342	10
36	1	MC33272ADR2G	SOIC-8	IC9	2531389	MC33272ADR2G	0,854	1	MC33272ADR2G OSCT-ND	0,910	1	863- MC33272ADR2G	0,865	1
37	1	4907	THT, PCB terminal; 4.8mm	J1	-				36-4907-ND	0,260	1	534-4907	0,257	1
38	2	571-0500	THT, Ø4 mm terminal; red	J2, J4	1101127	571-0500-01	1,720	5	-			164-6219	2,040	1
39	2	571-0100	THT, Ø4 mm terminal; black	J3, J5	1101128	571-0100-01	1,740	5	-			164-6218	1,840	1
40	1	RN112-4-02-0M7	THT, Current-compensated Choke	L1	-				817-2100-ND	1,560	1	631-RN112-4-02- 0M7	1,400	1
41	2	125CDMCCDS-330MC	Power inductor	L2, L4	2211631	7443551331	3,930	1	308-2568-1-ND	1,510	1	851- 125CDMCCDS3 30MC	1,590	1
42	2	HPI0630-3R3	Power inductor	L3, L5	1741325	IHLP2020CZER3R 3M11	1,940	5	445-180834-1- ND	0,510	1	810-VLS6045AF- 3R3N	0,510	1
43	2	WP42WUM/EGW	THT, dual (green/red) 3 mm LED	LED1, LED2	-				754-1718-ND	0,930	1	604- WP42WUM/EG W	0,926	1

RS Components							TME			Technology		Price calculation for 1 set			
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21	2	470p	378-700	0805CG471J9B B	0,040	25	CC0805JRNPO9BN47 1	0,024	100		2	TME	0,024 €	2	0,048
22	2	33n	135-6639	08051C333KAT 2A	0,021	100	CC0805KRX7R9333	0,016	100		2	TME	0,016 €	2	0,032
23	17	100n	393-6952	VJ0603Y104KXJ AT	0,069	25	CL10B104KA8NNNC	0,098	100		17	Mouser	0,007 €	17	0,119
24	8	SKL16	124-6774	RB160MM-60TR	0,230	40	SKL16-DIO	0,105	5		8	TME	0,105 €	8	0,840
25	1	BLM18AG102SH1D	839-0803	BLM18AG102S H1D	0,043	100	BLM18AG102SH1D	0,016	50		1	TME	0,016 €	1	0,016
26	1	Si8662AB-B-IS1	823-2062	Si8662AB-B-IS1	1,870	5	-				1	Mouser	1,760 €	1	1,760
27	2	LT3763EFE#PBF	-								2	Mouser	4,830 €	2	9,660
28	1	MC33274ADR2G	773-7787	MC33274ADR2 G	1,010	2	MC33274ADR2G	0,740	1		1	TME	0,740 €	1	0,740
29	1	TPS54060DGQ	698-9079	TPS54060DGQ	2,680	1	-				1	Mouser	2,490 €	1	2,490
30	1	Si8641AB-B-IS1	823-2000	Si8641AB-B-IS1	1,496	5	-				1	Mouser	1,410 €	1	1,410
31	1	M24C32-WMN6P	686-2453	M24C32- WMN6P	0,180	25	M24C32-WMN6P	0,165	3		1	TME	0,165 €	1	0,165
32	1	LP2985-33DBVR	660-6733	LP2985-33DBVT	0,737	1	LP2985-33DBVR	0,362	1		1	TME	0,362 €	1	0,362
33	1	74HC2G04GW,125	153-2919	74HC2G04GW,1 25	0,235	50	74HC2G04GW.125	0,138	5		1	TME	0,138 €	1	0,138
34	1	STM32F373C8T6	795-9164	STM32F373C8T 6	2,060	1	-				1	RS	2,060 €	1	2,060
35	1	TL431BIDBZR	797-4826	TL431BIDBZR,2 15	0,259	2	TL431BIDBZR	0,237	3		1	TME	0,237 €	1	0,237
36	1	MC33272ADR2G	773-7778	MC33272ADR2 G	0,865	1	MC33272ADR2G	0,570	1		1	TME	0,570 €	1	0,570
37	1	4907	-				61-1537-11/0031	0,049	10		1	TME	0,049 €	1	0,049
38	2	571-0500	103-6511	571-0500	1,216	5	571-0500	0,620	3		2	TME	0,620 €	2	1,240
39	2	571-0100	103-6527	571-0100	1,334	5	571-0100	0,620	3		2	TME	0,620 €	2	1,240
40	1	RN112-4-02-0M7	-				-				1	Mouser	1,400 €	1	1,400
41	2	125CDMCCDS-330MC	-				-				2	Digikey	1,510 €	2	3,020
42	2	HPI0630-3R3	-				HPI0630-3R3	0,335	1		2	TME	0,335 €	2	0,670
43	2	WP42WUM/EGW	-				L-42WUM/1EGWT	0,501	1		2	TME	0,501 €	2	1,002

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44	2	NTCS0805E3103JMT	NTC 0805	NTC1, NTC2	2103177	NTCS0805E3103JMT	0,399	10		BC2292CT-ND	0,490	1	594-2381-615-53103	0,353	10
45	2	BSP716NH6327XTSA1	SOT-223	Q1, Q7	2803380	BSP716NH6327XTSA1	0,378	5		BSP716NH6327XTSA1CT-ND	0,372	10	726-BSP716NH6327XTSA	0,333	10
46	6	NTD5867NLT4G	DPAK	Q2, Q3, Q4, Q8, Q9, Q10	1879964	NTD5867NLT4G	0,493	10		NTD5867NLT4GOSCT-ND	0,458	10	863-NTD5867NLT4G	0,430	10
47	2	BSS205NH6327XTSA1	SOT-23	Q5, Q11	2480648	BSS205NH6327XTSA1	0,257	5		BSS205NH6327XTSA1CT-ND	0,274	10	BSS205NH6327XTSA1	0,236	10
48	2	BSS84P	SOT-23	Q6, Q12	1056526	BSS84PH6327XTSA2	0,224	5		BSS84PH6433XTMA1CT-ND	0,314	10	726-BSS84PH6327XTSA2	0,196	10
49	11	10K	0805	R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20	9237755	RC0805FR-0710KL	0,022	10		311-10.0KCRCT-ND	0,039	10	603-RC0805FR-0710KL	0,014	10
50	9	10R	0805	R2, R4, R5, R28, R39, R42, R51, R62, R65	2447556	MCWR08X10R0FTL	0,007	10		311-10.0CRCT-ND	0,064	10	71-CRCW080510R0FKEAC	0,047	10
51	4	3K3	0805	R21, R22, R46, R69	2447651	MCWR08X3301FTL	0,010	10		A129755CT-ND	0,045	10			
52	3	120R	0805	R23, R48, R71	2447561	MCWR08X1200FTL	0,009	10		RMCF0805FT120RCT-ND	0,020	10	71-CRCW0805120RFKEAC	0,037	10
53	5	47K	0805	R3, R41, R47, R64, R70	2447664	MCWR08X4702FTL	0,009	10		RHM47KKCT-ND	0,036	10	603-RC0805FR-0747KL	0,014	10
54	4	20K	0805	R30, R32, R53, R55	2447603	MCWR08X2002FTL	0,009	10		A126349CT-ND	0,047	10	RCG080520K0FKEA	0,034	50
55	4	12K	0805	R31, R33, R54, R56	2447563	MCWR08X1202FTL	0,010	10		A126337CT-ND	0,047	10	71-CRCW080512K0FKEA	0,058	10
56	2	R010/2W	2512	R34, R57	2709394	CRF2512-FZ-R010ELF	0,779	10		MCS3264R010FERCT	0,568	10	754-KRL3264ECR010FT1	0,590	10
57	2	22R/0.5W	1206	R35, R58	2331841	CRGH1206J22R	0,035	10		118-CRM1206-FX-22R0ELFCT-ND	0,106	10	603-RC1206JR-7W22RL	0,103	10
58	2	36K	0805	R37, R60	2447643	MCWR08X3602FTL	0,007	10		311-36.0KCRCT-ND	0,037	10	603-RT0805FRE0736KL	0,050	10
59	2	68K	0805	R38, R61	2447706	MCWR08X6802FTL	0,007	10		A126382CT-ND	0,045	10	603-RT0805FRE0768KL	0,058	10
60	2	150K	0805	R40, R63	2447573	MCWR08X1503FTL	0,008	10		A126340CT-ND	0,045	10	279-CRGCQ0805F150K	0,038	10
61	2	3K6	0805	R44, R67	2447652	MCWR08X3601FTL	0,010	10		RMCF0805FT3K60CT-ND	0,010	100	603-RT0805FRE073K6L	0,017	100
62	2	7K5	0805	R45, R68	2447722	MCWR08X7501FTL	0,007	10		A126387CT-ND	0,045	10	652-CR0805FX-7501ELF	0,032	10

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44	2	NTCS0805E3103JMT	179-3950	NTCS0805E3103JMT	0,250	250	NTCS0805E3103JMT	0,113	15		2	TME	0,113 €	2	0,226
45	2	BSP716NH6327XTSA1	-				BSP716NH6327XTSA1	0,201	3		2	TME	0,201 €	2	0,402
46	6	NTD5867NLT4G	719-2901	NTD5867NLT4G	0,524	5	NTD5867NLT4G	0,310	3		6	TME	0,310 €	6	1,860
47	2	BSS205NH6327XTSA1	892-2374	BSS205NH6327XTSA1	0,108	100	BSS205NH6327XTSA1	0,097	10		2	TME	0,097 €	2	0,194
48	2	BSS84P	-				BSS84P	0,060	10		2	TME	0,060 €	2	0,120
49	11	10K	125-1189	CRG0805F10K	0,002	100	0805S8F1002T5E	0,014	100		11	RS	0,002 €	11	0,022
50	9	10R	223-0152	CRG0805F10R	0,019	50	0805S8F100JT5E	0,015	100		9	Farnell	0,007 €	9	0,059
51	4	3K3	223-0499	CRG0805F3K3	0,027	50	805S8F3301T5E	0,015	100		4	Farnell	0,010 €	4	0,039
52	3	120R	223-0304	CRG0805F120R	0,035	50	0805S8F1200T5E	0,022	100		3	Farnell	0,009 €	3	0,028
53	5	47K	679-1434	CRCW080547K0FKEA	0,036	50	RC0805FR-0747K	0,022	100		5	Farnell	0,009 €	5	0,047
54	4	20K	679-1077	CRCW080520K0FKEA	0,038	50	RC0805FR-0720K	0,035	100		4	Farnell	0,009 €	4	0,038
55	4	12K	223-0578	CRG0805F12K	0,020	50	SMD0805-12K-1%	0,014	100		4	Farnell	0,010 €	4	0,040
56	2	R010/2W	693-4381	CRA2512-FZ-R010ELF	0,496	10	LRP12FTWRR010	0,151	10		2	TME	0,151 €	2	0,302
57	2	22R/0.5W	-				HP06W2J0220T5E	0,042	50		2	Farnell	0,035 €	2	0,070
58	2	36K	679-1314	CRCW080536K0FKEA	0,004	50	0805S8F3602T5E	0,015	100		2	RS	0,004 €	2	0,008
59	2	68K	679-1620	CRCW080568K0FKEA	0,038	50	0805S8F6802T5E	0,015	100		2	Farnell	0,007 €	2	0,014
60	2	150K	223-0714	CRG0805F150K	0,023	50	0805S8J0154T5E	0,013	100		2	Farnell	0,008 €	2	0,016
61	2	3K6	865-4425	ERJU06F3601V	0,039	50	0805S8F3601T5E	0,007	100		2	TME	0,007 €	2	0,014
62	2	7K5	679-1686	CRCW08057K50FKEA	0,038	50	0805S8F7501T5E	0,015	100		2	Farnell	0,007 €	2	0,014

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
63	2	11K8	0805	R49, R72	2138981	CRCW080511K8FKEA.	0,040	10		311-11.8KCRCT-ND	0,037	10	603-RC0805FR-0711K8L	0,010	100
64	2	15K	0805	R50, R73	1099808	WCR0805-15KFI	0,019	10		A126341CT-ND	0,041	10	71-CRCW080515K0FKEBC	0,013	10
65	7	2K2	0805	R6, R24, R25, R26, R27, R36, R59	9237534	RC0805FR-072K2L	0,037	10		311-2.20KCRCT-ND	0,039	10	603-RC0805FR-072K2L	0,026	10
66	6	86K6	0805	R7, R9, R29, R43, R52, R66	2303750RL	ERJ6ENF8662V	0,058	10		311-86.6KCRCT-ND	0,036	10	603-RT0805FRE0786K6L	0,056	10
67	2	3K3, 0.25W	1206	R74, R75	2447514	MCWR12X3301FTL	0,014	10		RC1206FR-073K3L	0,090	10	71-CRCW12063K30FKEAC	0,069	10
68	1	330K	0805	R8	2447637	MCWR08X3303FTL	0,010	10		A126361CT-ND	0,046	10	652-CR0805FX-3303ELF	0,013	10
69	1	DR1206-33R-4/8	1206 resistor array	RN1	1770128	CAY16-330J4LF	0,069	10		CAY16-330J4LFCT-ND	0,090	1	652-CAY16-330J4LF	0,085	1
70	1	SRF0703-821M	0703	TR1	1852832	SRF0703-821M	0,827	1		SRF0703-821MCT-ND	0,900	1	652-SRF0703-821M	0,681	1
71	1	39-30-1020	THT, Minifit Jr. 2-pin, right angle	X1	9732080	39-28-1023	0,367	1		WM3800-ND	0,530	1	538-39-28-1023	0,530	1
72	1	77317-104-28LF	THT, 28-pin 0.1" header right angled	X2	-					S2111EC-14-ND	1,030	1	649-77317-104-28LF	1,540	1
73	1	DS1024-2*5R0	THT, 10-pin 0.1" receptacle right angled	X4	1841243	613010243121	0,910	1		S9202-ND	0,720	1	710-613010243121	0,950	1
74	1	LF XTAL026392	16 MHz XTAL; 7.5x5.1x1.4mm	Y1	1276696	LFXTAL026392	1,250	1		1923-1009-ND	0,850	1	449-LFXTAL026392BULK	0,972	1
75	3	SMAJ51A	SMA	ZD1, ZD3, ZD5	2677667	SMAJ51A	0,144	5		SMAJ51ALFCT-ND	0,370	1	652-SMAJ51A	0,463	1
76	2	MM3Z9V1T1G	SOD-323	ZD2, ZD4	2463517	MM3Z9V1T1G	0,124	5		MM3Z9V1T1GO SCT-ND	0,120	1	863-MM3Z9V1T1G	0,108	10

Not installed															
1	N.C.	0805	C21												
1	N.C.	2512	R1	2081875	ASC2512-4K7FT4	0,195	10			A130729CT-ND	0,331	10	279-CRGP2512F4K7	0,180	10
1	DR1206-33R-4/8	1206 resistor array	RN2	1770128	CAY16-330J4LF	0,069	10			CAY16-330J4LFCT-ND	0,090	1	652-CAY16-330J4LF	0,085	1
1	22-23-2061	THT	X3												

Related parts and accessories															
2	PMB-1	PCB bracket; polyamide	KK1, KK2	-						-			-		
1	LRS-150F-48	Mean Well 48 Vdc power module		2815982	LRS-150F-48	21,150	1			1866-3328-ND	23,460	1	709-LRS150F-48	23,330	1
1	TBC-07	Terminal cover for Mean Well power module		-						1866-4907-ND	0,260	1	709-TBC-07	0,292	1

RS Components							TME			Technology		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 €	
63	2	11K8	679-0847	CRCW080511K 8FKEA	0,036	50	0805S8F1182T5E	0,014	100		2	Mouser	0,010 €	2	0,020	
64	2	15K	223-0584	CRG0805F15K	0,023	50	SMD0805-15K	0,013	100		2	Mouser	0,013 €	2	0,026	
65	7	2K2	679-1207	CRCW08052K2 0FKEA	0,039	50	0805S8F2201T5E	0,022	100		7	TME	0,022 €	7	0,156	
66	6	86K6	-				CRCW080586K6FKTA BC	0,025	100		6	TME	0,025 €	6	0,150	
67	2	3K3, 0.25W	223-2338	CRG1206F3K3	0,017	10	1206S4J0332T5E	0,012	100		2	TME	0,012 €	2	0,024	
68	1	330K	679-1272	CRCW0805330 KFKEA	0,038	50	SMD0805-330K-1%	0,015	100		1	Farnell	0,010 €	1	0,010	
69	1	DR1206-33R-4/8	522-5670	CAY16-330J4LF	0,004	50	DR1206-33R-4/8	0,009	100		1	RS	0,004 €	1	0,004	
70	1	SRF0703-821M	-				-				1	Mouser	0,681 €	1	0,681	
71	1	39-30-1020	484-1883	39-28-102	0,354	5	MX-39-30-1020	0,339	5	1		TME	0,339 €	1	0,339	
72	1	77317-104-28LF	-				-			1		Digikey	1,030 €	1	1,030	
73	1	DS1024-2*5R0	826-7194	613010243121	0,950	1	ZL263-10DG	0,301	2	1		TME	0,301 €	1	0,301	
74	1	LF XTAL026392	148-4357	LFXTAL026392	0,960	10	16.00M-12SM	0,950	1		1	Digikey	0,850 €	1	0,850	
75	3	SMAJ51A	171-4238	SMAJ51A	0,320	25	SMAJ51A-LF	0,201	3		3	Farnell	0,144 €	3	0,432	
76	2	MM3Z9V1T1G	802-4653	MM3Z9V1T1G	0,039	200	MM3Z9V1T1G	0,020	25		2	TME	0,020 €	2	0,041	
											11	205				41,52 €

Not installed															
1	N.C.										1	Farnell	0,000 €	1	0,000
1	N.C.	224-0424	35204K7JT		1,370	10	CRCW25124K70FKTH BC	0,113	10		1	TME	0,113 €	1	0,113
1	DR1206-33R-4/8	522-5670	CAY16-330J4LF		0,004	50	DR1206-33R-4/8	0,009	100		1	RS	0,004 €	1	0,004
1	22-23-2061									1		Farnell	0,000 €	1	0,000

Related parts and accessories															
2	PMB-1	-					PMB-1	0,072	10			TME	0,072 €	2	0,145
1	LRS-150F-48	106-5854	LRS-150F-48		21,730	1	LRS-150F-48	15,650	1			TME	15,650 €	1	15,650
1	TBC-07	-					TBC-07	0,260	1			Digikey	0,260 €	1	0,260

						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

Custom made components

1 PCB 4-layer 145 x 95 mm, 1 oz. Cu thickness (MOQ: 5, incl. S&H)

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 and all capacitors are X7R 0805 if not otherwise specified.

RS Components							TME			Technology		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 €
															16,05 €
Custom made componer															
1	PCB											JLCPCB	10,892 €	1	10,892
															10,89 €
Total															68,47 €