

EEZ DIB DCM220 BOM (r2B3, 2019-09-21)
Project source code at <https://github.com/eez-open/modular-psu>

#	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	7	10n/200V	1206	C1, C2, C3, C50, C57, C73, C80	2812560	885342207005	0.078	5			311-4491-1-ND	0.150	10	603-C1206KRX7RAB B103	0.129	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	2	22u	1206	C12, C13	2112754	MC1206X226M100 CT	0.616	5			1276-1287-1-ND	0.265	10	963-LMK316ABJ226 ML-T	0.155	10
4	7	10n	0805	C15, C19, C23, C34, C35, C66, C86	2896555	VJ0805Y103JXXP W1BC	0.065	10			490-7194-1-ND	0.017	10	710-885012207122	0.036	10
5	1	18p	C0G, 0603	C16	2896373	VJ0603A180JXAC W1BC	0.016	10			1276-1089-1-ND	0.048	10	80-C0603C180J5G7 867	0.023	10
6	6	1u	0805	C22, C38, C53, C57, C73, C77	2896566	VJ0805Y105KXXT W1BC	0.084	5			587-1283-1-ND	0.090	10	603-CC805MKX7R7B B105	0.062	10
7	2	4p7	C0G, 0603	C32, C33	2627469	MC0603N4R7C500 CT	0.329	10			311-1740-1-ND	0.054	10	710-885012006049	0.072	10
8	1	1n	0805	C36	2896470	VJ0805A102JXAC W1BC	0.044	10			732-7858-1-ND	0.055	10	710-885012007040	0.052	10
9	7	4n7	C0G, 0805	C39, C41, C42, C43, C44, C67, C87	1828942	GRM2165C1H472J A01D	0.184	10			732-12255-1-ND	0.162	10	810-C2012C0G1H47 2J-1	0.072	10
10	6	4u7	1206	C4, C5, C14, C29, C49, C70	1907356	C3216X7R1E475K 160AC	0.240	5			1276-2970-1-ND	0.199	10	963-EMK316B7475M L-T	0.129	10
11	2	EEEFK1H470	Ø8mm, low ESR	C46, C68	9695931	EEEFK1H470P	0.419	1			PCE3815CT-ND	0.590	1	667-EEE-FK1H470P	0.524	1
12	2	100p	C0G, 0805	C48, C69	2896861	C0805C101JAGAC TU	0.023	10			399-15000-1-ND	0.019	10	80-C0805C101K5G	0.032	10
13	4	10u	1210, 50V	C50, C52, C71, C72	2672214	GRT31CR61H106 KE01L	0.684	5			1276-6736-1-ND	0.184	10	810-C3216X7R1HK1 60AC	0.597	10
14	2	220n	0805	C54, C74	2320828	MC0805B224J250 CT	0.087	5			1276-6477-1-ND	0.520	10	963-EMK212B7224K G-T	0.059	10
15	6	22u	1210, 25V	C55, C59, C60, C75, C79, C80	2320935	MC1210X226K250 CT	1.490	1			1276-3373-1-ND	0.369	10	603-CC121KKX7R8B B226	0.777	10
16	3	2u2	1206, 50V	C6, C9, C21							1276-2723-1-ND	0.132	10	80-C1206C225M5R ECLR	0.106	10
17	2	EEEFK1V470P	ECAPSMD8.3MM/HA0	C61, C81	9695850	EEEFK1V470P	0.368	1			PCE3842CT-ND	0.460	1	667-EEE-FK1V470P	0.445	1
18	2	UVZ1E102MPD	THT; Ø10mm: RM5	C62, C82	9451226	MCGPR25V108M1 0X21	0.388	1			93-1305-ND	0.500	1	UVZ1E102MPD1 CM	0.376	1
19	2	470p	0805	C64, C84	1759217	MC0805N471J500 CT	0.061	10			732-7837-1-ND	0.059	10	710-885012007038	0.056	10
20	2	33n	0805	C65, C85	2627479	MC0805B333K250 CT	0.046	10			1276-1796-1-ND	0.057	10	710-885012207069	0.036	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	7	10n/200V	669-8647	CC1206KRX7R ABB103	0.128	25	VJ1206Y103KXCTW1 BC	0.019	100		7	TME	0.019 €	7	0.133
2	1	330p	176-3198	0805N331J500C T	0.037	200	CL21C331JBANNNC	0.029	100		1	TME	0.029 €	1	0.029
3	2	22u	172-1532	LMK316ABJ226 KL	0.095	50	CL31A226MOCLNNC	0.083	100		2	TME	0.083 €	2	0.166
4	7	10n	464-6672	08055C103KAT 2A	0.026	50	CC0805KRX7R9103	0.027	100		7	Digikey	0.017 €	7	0.119
5	1	18p	147-415	C0603C180J5G ACTU	0.032	50	CL10C180JB8NNNC	0.015	100		1	TME	0.015 €	1	0.015
6	6	1u	451-5770	C0805C105K4R ACTU	0.028	25	CL21B105KOFNNNE	0.010	100		6	TME	0.010 €	6	0.062
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	7	4n7	741-4529	C2012C0G1H47 2J060AA	0.056	100	GRM2165C1H472JA0 1D	0.021	100		7	TME	0.021 €	7	0.147
10	6	4u7	691-1221	C1206C475K3R ACTU	0.232	25	GCM31CR71E475KA5 5L	0.381	10		6	Mouser	0.129 €	6	0.774
11	2	EEEFK1H470	537-0590	EEEFK1H470P	0.510	5	EEEFK1H470P	0.183	5		2	TME	0.183 €	2	0.366
12	2	100p	461-3997	CC0805JRNP09 BN101	0.030	50	CL21C101JBANNNC	0.026	100		2	Digikey	0.019 €	2	0.038
13	4	10u	103-4163	UMK316BBJ106 KL-T	0.236	20	CL31A106KBHNNNE	0.546	10		4	Digikey	0.184 €	4	0.736
14	2	220n	103-4126	UMK212B7224K G-T	0.039	50	CL21B224KAFNNNE	0.022	100		2	TME	0.022 €	2	0.044
15	6	22u	766-1182	CL32A226KAJN NNE	0.343	10	CL32A226KAJNNNE	0.158	10		6	TME	0.158 €	6	0.948
16	3	2u2	184-3509	UMK316B7225K LHT	0.151	10	CL31B225KBHNNNE	0.029	50		3	TME	0.029 €	3	0.086
17	2	EEEFK1V470P	537-0657	EEEFK1V470P	0.422	1	EEEFK1V470P	0.130	5		2	TME	0.130 €	2	0.260
18	2	UVZ1E102MPD	845-4685	UVZ1E102MPD	0.353	25	UVZ1E102MPD	0.250		2		TME	0.250 €	2	0.500
19	2	470p	378-700	0805CG471J9B B	0.040	25	CC0805JRNP09BN47 1	0.024	100		2	TME	0.024 €	2	0.048
20	2	33n	135-6639	08051C333KAT 2A	0.021	100	CC0805KRX7R9333	0.016	100		2	TME	0.016 €	2	0.032

EEZ DIB DCM220 BOM (r2B3, 2019-09-21)
Project source code at <https://github.com/eez-open/modular-psu>

#	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
21	17	100n	0603	C7, C8, C10, C17, C18, C20, C24, C26, C27, C28, C30, C31, C37, C40, C45, C47, C51	2522597	C0603C104K4RAC7081	0.011	10		490-4774-1-ND	0.029	100	80-C0603C104M4R	0.007	100
22	2	SKL16	SOD-123	D1, D2	2673070	RB160MM-60TR	0.282	5		RB160MM-60CT-ND	0.264	10	755-RB160MM-60TR	0.233	10
23	4	BAW56L	SOT-23	D3, D4, D6, D7	2535688	BAW56LT1G	0.094	5		BAW56LT3GOSCT-ND	0.083	10	863-BAW56LT1G	0.078	10
24	1	BLM18AG102SH1D	0603	FB1	1669708	MMZ1608Y102B	0.072	10		490-7809-1-ND	0.052	50	81-BLM18AG102SH1D	0.063	10
25	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
26	1	MC33272ADR2G	SOIC-8	IC10	2531389	MC33272ADR2G	0.854	1		MC33272ADR2GOSCT-ND	0.910	1	863-MC33272ADR2G	0.865	1
27	2	LT3763EFE#PBF	TSSOP-28	IC11, IC13	-					LT3763EFE#PBF-ND	4.950	1	584-LT3763EFE#PBF	4.830	1
28	1	MC33274ADR2G	SOIC-16	IC12	2531387	MC33274ADR2G	1.010	1		MC33274ADR2GOSCT-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	IC8	2333274	STM32F373C8T6	4.420	1		497-13306-ND	3.940	1	511-STM32F373C8T6	3.840	1
35	1	TL431B	SOT-23	IC9	2095470	TL431BCDBZR	0.310	5		296-18866-1-ND	0.305	10	771-TL431BIDBZR215	0.259	10
36	1	4907	THT, PCB terminal; 4.8mm	J1	-					36-4907-ND	0.260	1	534-4907	0.257	1
37	2	571-0500	THT, Ø4 mm terminal; red	J2, J4	1101127	571-0500-01	1.720	5		-			164-6219	2.040	1
38	2	571-0100	THT, Ø4 mm terminal; black	J3, J5	1101128	571-0100-01	1.740	5		-			164-6218	1.840	1
39	1	RN112-4-02-0M7	THT, Current-compensated Choke	L1	-					817-2100-ND	1.560	1	631-RN112-4-02-0M7	1.400	1
40	2	125CDMCCDS-330MC	Power inductor	L2, L4	2211631	7443551331	3.930	1		308-2568-1-ND	1.510	1	851-125CDMCCDS330MC	1.590	1
41	2	HPI0630-3R3	Power inductor	L3, L5	1741325	IHLP2020CZER3R3M11	1.940	5		445-180834-1-ND	0.510	1	810-VLS6045AF-3R3N	0.510	1
42	2	WP42WUM/EGW	THT, dual (green/red) 3 mm LED	LED1, LED2	-					754-1718-ND	0.930	1	604-WP42WUM/EGW	0.926	1
43	2	NTCS0805E3103JMT	NTC 0805	NTC1, NTC2	2103177	NTCS0805E3103JMT	0.399	10		BC2292CT-ND	0.490	1	594-2381-615-53103	0.353	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 €
21	17	100n	393-6952	VJ0603Y104KXJ AT	0.069	25	CL10B104KA8NNNC	0.098	100		17	Mouser	0.007 €	17	0.119
22	2	SKL16	124-6774	RB160MM-60TR	0.230	40	SKL16-DIO	0.105	5		2	TME	0.105 €	2	0.210
23	4	BAW56L	781-3939	BAW56LT3G	0.029	200	BAW56LT1G	0.013	100		4	TME	0.013 €	4	0.051
24	1	BLM18AG102SH1D	839-0803	BLM18AG102S H1D	0.043	100	BLM18AG102SH1D	0.016	50		1	TME	0.016 €	1	0.016
25	1	Si8662AB-B-IS1	823-2062	Si8662AB-B-IS1	1.870	5	-				1	Mouser	1.760 €	1	1.760
26	1	MC33272ADR2G	773-7778	MC33272ADR2 G	0.865	1	MC33272ADR2G	0.570	1		1	TME	0.570 €	1	0.570
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						
34	1	STM32F373C8T6	795-9164	STM32F373C8T 6	2.060	1	-				1	RS	2.060 €	1	2.060
35	1	TL431B	688-9323	TL431BCDR2G	0.120	2	TL431BIDBZT	0.492	5						
36	1	4907	-				61-1537-11/0031	0.049	10	1		TME	0.049 €	1	0.049
37	2	571-0500	103-6511	571-0500	1.216	5	571-0500	0.620	3	2		TME	0.620 €	2	1.240
38	2	571-0100	103-6527	571-0100	1.334	5	571-0100	0.620	3	2		TME	0.620 €	2	1.240
39	1	RN112-4-02-0M7	-				-			1		Mouser	1.400 €	1	1.400
40	2	125CDMCCDS-330MC	-				-				2	Digikey	1.510 €	2	3.020
41	2	HPI0630-3R3	-				HPI0630-3R3	0.335	1		2	TME	0.335 €	2	0.670
42	2	WP42WUM/EGW	-				L-42WUM/1EGWT	0.501	1	2		TME	0.501 €	2	1.002
43	2	NTCS0805E3103JMT	179-3950	NTCS0805E310 3JMT	0.250	250	NTCS0805E3103JMT	0.113	15		2	TME	0.113 €	2	0.226

EEZ DIB DCM220 BOM (r2B3, 2019-09-21)
Project source code at <https://github.com/eez-open/modular-psu>

#	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
44	2	BSP716NH6327XTSA1	SOT-223	Q1, Q6	2803380	BSP716NH6327XTSA1	0.378	5	BSP716NH6327XTSA1CT-ND	0.372	10	726-BSP716NH6327XTSA	0.333	10
45	4	NTD5867NLT4G	DPAK	Q2, Q3, Q7, Q8	1879964	NTD5867NLT4G	0.493	10	NTD5867NLT4GOSCT-ND	0.458	10	863-NTD5867NLT4G	0.430	10
46	2	BSS205NH6327XTSA1	SOT-23	Q4, Q9	2480648	BSS205NH6327XTSA1	0.257	5	BSS205NH6327XTSA1CT-ND	0.274	10	BSS205NH6327XTSA1	0.236	10
47	2	BSS84P	SOT-23	Q5, Q10	1056526	BSS84PH6327XTSA2	0.224	5	BSS84PH6433XTMA1CT-ND	0.314	10	726-BSS84PH6327XTSA2	0.196	10
48	14	10K	0805	R10, R11, R12, R13, R14, R15, R16, R17, R18, R20, R31, R34, R57, R60	9237755	RC0805FR-0710KL	0.022	10	311-10.0KCRCT-ND	0.039	10	603-RC0805FR-0710KL	0.014	10
49	9	10R	0805	R2, R4, R5, R28, R36, R37, R54, R62, R63	9236643	RC1206FR-0710RL	0.050	10	311-10.0CRCT-ND	0.071	10	603-RC1206FR-0710RL	0.034	10
50	4	3K3	0805	R21, R22, R43, R69	2447651	MCWR08X3301FTL	0.010	10	A129755CT-ND	0.045	10			
51	3	120R	0805	R23, R51, R77	2447561	MCWR08X1200FTL	0.009	10	RMCF0805FT120RCT-ND	0.020	10	71-CRCW0805120RFKEAC	0.037	10
52	5	47K	0805	R3, R45, R46, R71, R72	2447664	MCWR08X4702FTL	0.009	10	RHM47KKCT-ND	0.036	10	603-RC0805FR-0747KL	0.014	10
53	4	22K	0805	R30, R33, R56, R59	2447607	MCWR08X2202FTL	0.010	10	RMCF0805FT22K0CT-ND	0.024	10	71-CRCW080522K0FKEAC	0.018	100
54	2	12K	0805	R49, R75	2447563	MCWR08X1202FTL	0.010	10	A126337CT-ND	0.047	10	71-CRCW080512K0FKEA	0.058	10
55	4	0R	0805	R32, R38, R58, R64	2747563	MCWR08X0000FTL	0.006	10	RMCF0805ZT0R00CT-ND	0.019	10	603-RC0805FR-070RL	0.023	10
56	2	R012/2W	2512	R35, R61	2483605	TLM3AER012JTE	0.161	10	YAG2164CT-ND	0.491	10	279-RLP73V3AR012FTDF	0.347	10
57	4	30K	0805	R41, R47, R67, R73	2303701	ERJ6ENF3002V	0.058	10	P30.0KCCT-ND	0.085	10	603-RC0805FR-0730KL	0.014	10
58	2	3K9	0805	R48, R74	2447654	MCWR08X3901FTL	0.010	10	A126369CT-ND	0.018	100	652-CR0805FX-3901ELF	0.008	10
59	2	3K6	0805	R50, R76	2447652	MCWR08X3601FTL	0.010	10	RMCF0805FT3K60CT-ND	0.010	100	603-RT0805FRE073K6L	0.017	100
60	2	11K8	0805	R52, R78	2138981	CRCW080511K8FKEA.	0.040	10	311-11.8KCRCT-ND	0.037	10	603-RC0805FR-0711K8L	0.010	100
61	2	15K	0805	R53, R79	1099808	WCR0805-15KFI	0.019	10	A126341CT-ND	0.041	10	71-CRCW080515K0FKEBC	0.013	10
62	7	2K2	0805	R6, R24, R25, R26, R27, R40, R66	9237534	RC0805FR-072K2L	0.037	10	311-2.20KCRCT-ND	0.039	10	603-RC0805FR-072K2L	0.026	10
63	6	86K6	0805	R7, R9, R42, R44, R68, R70	2303750RL	ERJ6ENF8662V	0.058	10	311-86.6KCRCT-ND	0.036	10	603-RT0805FRE0786K6L	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 €
44	2	BSP716NH6327XTSA1	-				BSP716NH6327XTSA 1	0.201	3		2	TME	0.201 €	2	0.402
45	4	NTD5867NLT4G	719-2901	NTD5867NLT4G	0.524	5	NTD5867NLT4G	0.310	3		4	TME	0.310 €	4	1.240
46	2	BSS205NH6327XTSA1	892-2374	BSS205NH6327 XTSA1	0.108	100	BSS205NH6327XTSA 1	0.097	10		2	TME	0.097 €	2	0.194
47	2	BSS84P	-				BSS84P	0.060	10		2	TME	0.060 €	2	0.120
48	14	10K	125-1189	CRG0805F10K	0.002	100	0805S8F1002T5E	0.014	100		14	RS	0.002 €	14	0.028
49	9	10R	740-9085	CR1206-FX- 10R0ELF	0.036	50	CRCW120610R0FKTA BC	0.031	100		9	TME	0.031 €	9	0.279
50	4	3K3	223-0499	CRG0805F3K3	0.027	50	805S8F3301T5E	0.015	100		4	Farnell	0.010 €	4	0.039
51	3	120R	223-0304	CRG0805F120R	0.035	50	0805S8F1200T5E	0.022	100		3	Farnell	0.009 €	3	0.028
52	5	47K	679-1434	CRCW080547K 0FKEA	0.036	50	RC0805FR-0747K	0.022	100		5	Farnell	0.009 €	5	0.047
53	4	22K	679-1109	CRCW080522K 0FKEA	0.034	50	0805S8J0223T5E	0.013	100		4	Farnell	0.010 €	4	0.039
54	2	12K	223-0578	CRG0805F12K	0.020	50	SMD0805-12K-1%	0.014	100		2	Farnell	0.010 €	2	0.020
55	4	0R	-				CQ0805-0R-1%	0.028	100		4	Farnell	0.006 €	4	0.025
56	2	R012/2W	869-5467	TLM3AER012FT E	0.204	10	LRP12FTWRR012	0.145	10		2	TME	0.145 €	2	0.290
57	4	30K	-				SMD0805-30K-1%	0.022	100		4	Mouser	0.014 €	4	0.056
58	2	3K9	223-0506	CRG0805F3K9	0.021	50	0805S8F3901T5E	0.015	100		2	Mouser	0.008 €	2	0.016
59	2	3K6	865-4425	ERJU06F3601V	0.039	50	0805S8F3601T5E	0.007	100		2	TME	0.007 €	2	0.014
60	2	11K8	679-0847	CRCW080511K 8FKEA	0.036	50	0805S8F1182T5E	0.014	100		2	Mouser	0.010 €	2	0.020
61	2	15K	223-0584	CRG0805F15K	0.023	50	SMD0805-15K	0.013	100		2	Mouser	0.013 €	2	0.026
62	7	2K2	679-1207	CRCW08052K2 0FKEA	0.039	50	0805S8F2201T5E	0.022	100		7	TME	0.022 €	7	0.156
63	6	86K6	-				CRCW080586K6FKTA BC	0.025	100		6	TME	0.025 €	6	0.150

#	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
64	3	330K	0805	R8, R29, R55	2447637	MCWR08X3303FT L	0.010	10	A126361CT-ND	0.046	10	652-CR0805FX- 3303ELF	0.013	10
65	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
66	1	SRF0703-821M	0703	TR1	1852832	SRF0703-821M	0.827	1	SRF0703- 821MCT-ND	0.900	1	652-SRF0703- 821M	0.681	1
67	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
68	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
69	1	ZL263-10DG	THT, 10-pin 0.1" receptacle right angled	X4	1841243	613010243121	0.910	1	S9202-ND	0.720	1	710- 613010243121	0.950	1
70	1	LF XTAL026392	XTAL; 7.5x5.1x1.4mm	Y1	1276696	LFXTAL026392	1.250	1	1923-1009-ND	0.850	1	449- LFXTAL026392B ULK	0.972	1
71	3	SMAJ51A	SMA	ZD1, ZD2, ZD3	2677667	SMAJ51A	0.144	5	SMAJ51ALFCT- ND	0.370	1	652-SMAJ51A	0.463	1
72	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	100n	0603		C25	2522597	C0603C104K4RAC 7081	0.011	10	490-4774-1-ND	0.029	100	80- C0603C104M4R	0.007	100
3	N.C.	0805		C37, C53, C76										
2	N.C.	0805		C58, C78										
2	N.C.	SMA		D5, D8										
1	TPD4E001DRLR			IC7										
1	2mm jumper	THT		JP1										
1	N.C.	2512		R1	2081875	ASC2512-4K7FT4	0.195	10	A130729CT-ND	0.331	10	279- CRGP2512F4K7	0.180	10
1	N.C.	0805		R19										
2	N.C.	1206		R39, R65										
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	PCB-MB-01	PCB bracket; polyamide		KK1, KK2	-				-			-		
2	ICKSMDB13SA	Miniature heatsink 13 x 19			4302254	ICK SMD B 13 SA	0.782	5	-			-		
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					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 €	
64	3	330K	679-1272	CRCW0805330 KFKEA	0.038	50	SMD0805-330K-1%	0.015	100		3	Farnell	0.010 €	3	0.030	
65	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	
66	1	SRF0703-821M	-				-				1	Mouser	0.681 €	1	0.681	
67	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	
68	1	77317-104-28LF	-				-			1		Digikey	1.030 €	1	1.030	
69	1	ZL263-10DG	826-7194	613010243121	0.950	1	ZL263-10DG	0.301	2	1		TME	0.301 €	1	0.301	
70	1	LF XTAL026392	148-4357	LFXTAL026392	0.960	10	16.00M-12SM	0.950	1		1	Digikey	0.850 €	1	0.850	
71	3	SMAJ51A	171-4238	SMAJ51A	0.320	25	SMAJ51A-LF	0.201	3		3	Farnell	0.144 €	3	0.432	
72	2	MM3Z9V1T1G	802-4653	MM3Z9V1T1G	0.039	200	MM3Z9V1T1G	0.020	25		2	TME	0.020 €	2	0.041	
											13	198				39.93 €

Not installed															
1	100n	393-6952	VJ0603Y104KXJ AT	0.069	25	CL10B104KA8NNNC	0.098	100		1		Mouser	0.007 €	1	0.007
3	N.C.									3		Farnell	0.000 €	3	0.000
2	N.C.														
2	N.C.														
1	TPD4E001DRLR									1		Farnell	0.000 €	1	0.000
1	2mm jumper									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	N.C.														
2	N.C.														
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 acces:															
2	PCB-MB-01	-				PCB-MB-01	0.091	10				TME	0.091 €	2	0.182
2	ICKSMDB13SA	-				ICKSMDB13SA	0.570	2				TME	0.570 €	2	1.140
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
															17.23 €

#	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

Custom made components

1	PCB	2-layer 145 x 95 mm, 1 oz. Cu - thickness
---	-----	---

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			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 €		
Custom made componer																	
1	PCB											ALLPCB	7.387 €	1	7.387		
														7.39 €			
														Total		64.55 €	