

EEZ DIB DCM220 BOM (r2B8, 2020-04-12)
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, C56, C63, C76, C83	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	3	22u	1206, 10V	C12, C55, C75	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	33p	C0G, 0603	C16	1759197	MC0805N330J500 CT	0,042	10	1276-1105-1-ND	0,048	10	C0805C330K5G ACTU	0,036	10
6	1	1n	0805	C36	2896470	VJ0805A102JXAC W1BC	0,044	10	732-7858-1-ND	0,055	10	710-885012007040	0,052	10
7	5	1u	0805	C38, C53, C57, C73, C77	2896566	VJ0805Y105KXXT W1BC	0,084	5	587-1283-1-ND	0,090	10	603-CC805MKX7R7B B105	0,062	10
8	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
9	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
10	2	EEEFK1H470	Ø8mm, low ESR	C46, C68	9695931	EEEFK1H470P	0,419	1	PCE3815CT-ND	0,590	1	667-EEE-FK1H470P	0,524	1
11	2	100p	C0G, 0805	C48, C69	2896861	C0805C101JAGAC TU	0,023	10	399-15000-1-ND	0,019	10	80-C0805C101K5G	0,032	10
12	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
13	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
14	6	22u	1210, 25V	C59, C60, C79, C80	2320935	MC1210X226K250 CT	1,490	1	1276-3373-1-ND	0,369	10	603-CC121KKX7R8B B226	0,777	10
15	3	2u2	1206, 50V	C6, C9, C21	2991428	C1206C225K5REC TU	0,181	5	1276-2723-1-ND	0,132	10	80-C1206C225M5R ECLR	0,106	10
16	2	EEEFK1V470P	ECAPSMD8.3MM/HA0	C61, C81	9695850	EEEFK1V470P	0,368	1	PCE3842CT-ND	0,460	1	667-EEE-FK1V470P	0,445	1
17	2	UVZ1E102MPD	THT; Ø10mm: RM5	C62, C82	9451226	MCGPR25V108M1 0X21	0,388	1	93-1305-ND	0,500	1	UVZ1E102MPD1 CM	0,376	1
18	2	470p	0805	C64, C84	1759217	MC0805N471J500 CT	0,061	10	732-7837-1-ND	0,059	10	710-885012007038	0,056	10
19	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					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	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	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	1	1n	723-6408	GRM2195C1H1 02JA01D	0,031	100	CL21C102JBCNNNC	0,026	100		1	TME	0,026 €	1	0,026
7	5	1u	451-5770	C0805C105K4R ACTU	0,028	25	CL21B105KOFNNNE	0,010	100		5	TME	0,010 €	5	0,052
8	7	4n7	741-4529	C2012C0G1H47 2J060AA	0,056	100	GRM2165C1H472JA0 1D	0,021	100		7	TME	0,021 €	7	0,147
9	6	4u7	691-1221	C1206C475K3R ACTU	0,232	25	GCM31CR71E475KA5 5L	0,381	10		6	Mouser	0,129 €	6	0,774
10	2	EEEFK1H470	537-0590	EEEFK1H470P	0,510	5	EEEFK1H470P	0,183	5		2	TME	0,183 €	2	0,366
11	2	100p	461-3997	CC0805JRNPO9 BN101	0,030	50	CL21C101JBANNNC	0,026	100		2	Digikey	0,019 €	2	0,038
12	4	10u	103-4163	UMK316BBJ106 KL-T	0,236	20	CL31A106KBHNNNE	0,546	10		4	Digikey	0,184 €	4	0,736
13	2	220n	103-4126	UMK212B7224K G-T	0,039	50	CL21B224KAFNNNE	0,022	100		2	TME	0,022 €	2	0,044
14	6	22u	766-1182	CL32A226KAJN NNE	0,343	10	CL32A226KAJNNNE	0,158	10		6	TME	0,158 €	6	0,948
15	3	2u2	184-3509	UMK316B7225K LHT	0,151	10	CL31B225KBHNNNE	0,029	50		3	TME	0,029 €	3	0,086
16	2	EEEFK1V470P	537-0657	EEEFK1V470P	0,422	1	EEEFK1V470P	0,130	5		2	TME	0,130 €	2	0,260
17	2	UVZ1E102MPD	845-4685	UVZ1E102MPD	0,353	25	UVZ1E102MPD	0,250		2		TME	0,250 €	2	0,500
18	2	470p	378-700	0805CG471J9B B	0,040	25	CC0805JRNPO9BN47 1	0,024	100		2	TME	0,024 €	2	0,048
19	2	33n	135-6639	08051C333KAT 2A	0,021	100	CC0805KRX7R9333	0,016	100		2	TME	0,016 €	2	0,032

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20	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
21	8	SKL16	SOD-123	D1, D2, D3, D4, D6, D8, D9, D11	2673070	RB160MM-60TR	0,282	5	RB160MM-60CT-ND	0,264	10	755-RB160MM-60TR	0,233	10
22	1	BLM18AG102SH1D	0603	FB1	1669708	MMZ1608Y102B	0,072	10	490-7809-1-ND	0,052	50	81-BLM18AG102SH1D	0,063	10
23	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
24	1	MC33272ADR2G	SOIC-8	IC10	2531389	MC33272ADR2G	0,854	1	MC33272ADR2G OSCT-ND	0,910	1	863-MC33272ADR2G	0,865	1
25	2	LT3763EFE#PBF	TSSOP-28	IC11, IC13	-				LT3763EFE#PBF-ND	4,950	1	584-LT3763EFE#PBF	4,830	1
26	1	MC33274ADR2G	SOIC-14	IC12	2531387	MC33274ADR2G	1,010	1	MC33274ADR2G OSCT-ND	1,190	1	863-MC33274ADR2G	1,020	1
27	1	TPS54060DGQ	MSOP-10	IC2	1710820	TPS54060DGQ .	3,030	1	296-37148-1-ND	2,630	1	595-TPS54060DGQR	2,490	1
28	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
29	1	M24C32-WMN6P	SOIC-8	IC4	1224413	M24C32-WMN6P	0,212	5	-			511-M24C32-WMN6P	0,210	1
30	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
31	1	74HC2G04GW,125		IC6	2777732	74HC2G04GW,125	0,283	5	1727-6045-1-ND	0,274	10	771-HC2G04GW125	0,248	10
32	1	STM32F373C8T6	LQFP-48	IC8	2333274	STM32F373C8T6	4,420	1	497-13306-ND	3,940	1	511-STM32F373C8T6	3,840	1
33	1	TL431BIDBZR	SOT-23	IC9	2095470	TL431BCDBZR	0,310	5	296-18866-1-ND	0,305	10	771-TL431BIDBZR215	0,342	10
34	1	4907	THT, PCB terminal; 4.8mm	J1	-				36-4907-ND	0,260	1	534-4907	0,257	1
35	2	571-0500	THT, Ø4 mm terminal; red	J2, J4	1101127	571-0500-01	1,720	5	-			164-6219	2,040	1
36	2	571-0100	THT, Ø4 mm terminal; black	J3, J5	1101128	571-0100-01	1,740	5	-			164-6218	1,840	1
37	1	RN112-4-02-0M7	THT, Current-compensated Choke	L1	-				817-2100-ND	1,560	1	631-RN112-4-02-0M7	1,400	1
38	2	125CDMCCDS-330MC	Power inductor	L2, L4	2211631	7443551331	3,930	1	308-2568-1-ND	1,510	1	851-125CDMCCDS330MC	1,590	1
39	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
40	2	WP42WUM/EGW	THT, dual (green/red) 3 mm LED	LED1, LED2	-				754-1718-ND	0,930	1	604-WP42WUM/EGW	0,926	1
41	2	NTCS0805E3103JMT	NTC 0805	NTC1, NTC2	2103177	NTCS0805E3103JMT	0,399	10	BC2292CT-ND	0,490	1	594-2381-615-53103	0,353	10
42	2	BSP716NH6327XTSA1	SOT-223	Q1, Q6	2803380	BSP716NH6327XTSA1	0,378	5	BSP716NH6327XTSA1CT-ND	0,372	10	726-BSP716NH6327XTSA	0,333	10

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20	17	100n	393-6952	VJ0603Y104KXJ AT	0,069	25	CL10B104KA8NNNC	0,098	100		17	Mouser	0,007 €	17	0,119
21	8	SKL16	124-6774	RB160MM-60TR	0,230	40	SKL16-DIO	0,105	5		8	TME	0,105 €	8	0,840
22	1	BLM18AG102SH1D	839-0803	BLM18AG102S H1D	0,043	100	BLM18AG102SH1D	0,016	50		1	TME	0,016 €	1	0,016
23	1	Si8662AB-B-IS1	823-2062	Si8662AB-B-IS1	1,870	5	-				1	Mouser	1,760 €	1	1,760
24	1	MC33272ADR2G	773-7778	MC33272ADR2 G	0,865	1	MC33272ADR2G	0,570	1		1	TME	0,570 €	1	0,570
25	2	LT3763EFE#PBF	-								2	Mouser	4,830 €	2	9,660
26	1	MC33274ADR2G	773-7787	MC33274ADR2 G	1,010	2	MC33274ADR2G	0,740	1		1	TME	0,740 €	1	0,740
27	1	TPS54060DGQ	698-9079	TPS54060DGQ	2,680	1	-				1	Mouser	2,490 €	1	2,490
28	1	Si8641AB-B-IS1	823-2000	Si8641AB-B-IS1	1,496	5	-				1	Mouser	1,410 €	1	1,410
29	1	M24C32-WMN6P	686-2453	M24C32- WMN6P	0,180	25	M24C32-WMN6P	0,165	3		1	TME	0,165 €	1	0,165
30	1	LP2985-33DBVR	660-6733	LP2985-33DBVT	0,737	1	LP2985-33DBVR	0,362	1		1	TME	0,362 €	1	0,362
31	1	74HC2G04GW,125	153-2919	74HC2G04GW,1 25	0,235	50	74HC2G04GW.125	0,138	5		1	TME	0,138 €	1	0,138
32	1	STM32F373C8T6	795-9164	STM32F373C8T 6	2,060	1	-				1	RS	2,060 €	1	2,060
33	1	TL431BIDBZR	797-4826	TL431BIDBZR,2 15	0,259	2	TL431BIDBZR	0,237	3		1	TME	0,237 €	1	0,237
34	1	4907	-				61-1537-11/0031	0,049	10		1	TME	0,049 €	1	0,049
35	2	571-0500	103-6511	571-0500	1,216	5	571-0500	0,620	3		2	TME	0,620 €	2	1,240
36	2	571-0100	103-6527	571-0100	1,334	5	571-0100	0,620	3		2	TME	0,620 €	2	1,240
37	1	RN112-4-02-0M7	-				-				1	Mouser	1,400 €	1	1,400
38	2	125CDMCCDS-330MC	-				-				2	Digikey	1,510 €	2	3,020
39	2	HPI0630-3R3	-				HPI0630-3R3	0,335	1		2	TME	0,335 €	2	0,670
40	2	WP42WUM/EGW	-				L-42WUM/1EGWT	0,501	1		2	TME	0,501 €	2	1,002
41	2	NTCS0805E3103JMT	179-3950	NTCS0805E310 3JMT	0,250	250	NTCS0805E3103JMT	0,113	15		2	TME	0,113 €	2	0,226
42	2	BSP716NH6327XTSA1	-				BSP716NH6327XTSA 1	0,201	3		2	TME	0,201 €	2	0,402

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						Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ
43	4	NTD5867NLT4G	DPAK	Q2, Q3, Q7, Q8	1879964	NTD5867NLT4G	0,493	10	NTD5867NLT4G OSCT-ND	0,458	10	863- NTD5867NLT4G	0,430	10
44	2	BSS205NH6327XTSA1	SOT-23	Q4, Q9	2480648	BSS205NH6327XT SA1	0,257	5	BSS205NH6327 XTSA1CT-ND	0,274	10	BSS205NH6327 XTSA1	0,236	10
45	2	BSS84P	SOT-23	Q5, Q10	1056526	BSS84PH6327XTS A2	0,224	5	BSS84PH6433X TMA1CT-ND	0,314	10	726- BSS84PH6327X TSA2	0,196	10
46	11	10K	0805	R10, R11, R12, R13, R14, R15, R16, R17, R18, R20, TX_PU	9237755	RC0805FR-0710KL	0,022	10	311-10.0KCRCT- ND	0,039	10	603-RC0805FR- 0710KL	0,014	10
47	9	10R	0805	R2, R4, R5, R28, R35, R36, R52, R59, R60	2447556	MCWR08X10R0FT L	0,007	10	311-10.0CRCT- ND	0,064	10	71- CRCW080510R0 FKEAC	0,047	10
48	6	3K3	0805	R21, R22, R41, R48, R65, R72	2447651	MCWR08X3301FT L	0,010	10	A129755CT-ND	0,045	10			
49	3	120R	0805	R23, R49, R73	2447561	MCWR08X1200FT L	0,009	10	RMCF0805FT12 ORCT-ND	0,020	10	71- CRCW0805120R FKEAC	0,037	10
50	7	47K	0805	R3, R43, R44, R67, R68, R76, R77	2447664	MCWR08X4702FT L	0,009	10	RHM47KKCT-ND	0,036	10	603-RC0805FR- 0747KL	0,014	10
51	4	20K	0805	R30, R32, R54, R56	2447603	MCWR08X2002FT L	0,009	10	A126349CT-ND	0,047	10	RCG080520K0F KEA	0,034	50
52	6	12K	0805	R31, R33, R47, R55, R57, R71	2447563	MCWR08X1202FT L	0,010	10	A126337CT-ND	0,047	10	71- CRCW080512K0 FKEA	0,058	10
53	2	R012/2W	2512	R34, R58	2483605	TLM3AER012JTE	0,161	10	YAG2164CT-ND	0,491	10	279- RLP73V3AR012 FTDF	0,347	10
54	2	30K	0805	R39, R63	2303701	ERJ6ENF3002V	0,058	10	P30.0KCCT-ND	0,085	10	603-RC0805FR- 0730KL	0,014	10
55	2	100K	0805	R45, R69	2447551	MCWR08X1003FT L	0,010	10	RMCF0805FT10 OKCT-ND	0,024	10	71- CRCW0805100K FKEAC	0,040	10
56	2	3K6	0805	R46, R70	2447652	MCWR08X3601FT L	0,010	10	RMCF0805FT3K 60CT-ND	0,010	100	603- RT0805FRE073K 6L	0,017	100
57	2	11K8	0805	R50, R74	2138981	CRCW080511K8F KEA.	0,040	10	311-11.8KCRCT- ND	0,037	10	603-RC0805FR- 0711K8L	0,010	100
58	2	15K	0805	R51, R75	1099808	WCR0805-15KFI	0,019	10	A126341CT-ND	0,041	10	71- CRCW080515K0 FKEBC	0,013	10
59	7	2K2	0805	R6, R24, R25, R26, R27, R38, R62	9237534	RC0805FR-072K2L	0,037	10	311-2.20KCRCT- ND	0,039	10	603-RC0805FR- 072K2L	0,026	10
60	8	86K6	0805	R7, R9, R29, R40, R42, R53, R64, R66	2303750RL	ERJ6ENF8662V	0,058	10	311-86.6KCRCT- ND	0,036	10	603- RT0805FRE0786 K6L	0,056	10
61	1	330K	0805	R8	2447637	MCWR08X3303FT L	0,010	10	A126361CT-ND	0,046	10	652-CR0805FX- 3303ELF	0,013	10
62	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

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43	4	NTD5867NLT4G	719-2901	NTD5867NLT4G	0,524	5	NTD5867NLT4G	0,310	3		4	TME	0,310 €	4	1,240
44	2	BSS205NH6327XTSA1	892-2374	BSS205NH6327XTSA1	0,108	100	BSS205NH6327XTSA1	0,097	10		2	TME	0,097 €	2	0,194
45	2	BSS84P	-				BSS84P	0,060	10		2	TME	0,060 €	2	0,120
46	11	10K	125-1189	CRG0805F10K	0,002	100	0805S8F1002T5E	0,014	100		11	RS	0,002 €	11	0,022
47	9	10R	223-0152	CRG0805F10R	0,019	50	0805S8F100JT5E	0,015	100		9	Farnell	0,007 €	9	0,059
48	6	3K3	223-0499	CRG0805F3K3	0,027	50	805S8F3301T5E	0,015	100		6	Farnell	0,010 €	6	0,058
49	3	120R	223-0304	CRG0805F120R	0,035	50	0805S8F1200T5E	0,022	100		3	Farnell	0,009 €	3	0,028
50	7	47K	679-1434	CRCW080547K0FKEA	0,036	50	RC0805FR-0747K	0,022	100		7	Farnell	0,009 €	7	0,066
51	4	20K	679-1077	CRCW080520K0FKEA	0,038	50	RC0805FR-0720K	0,035	100		4	Farnell	0,009 €	4	0,038
52	6	12K	223-0578	CRG0805F12K	0,020	50	SMD0805-12K-1%	0,014	100		6	Farnell	0,010 €	6	0,059
53	2	R012/2W	869-5467	TLM3AER012FTE	0,204	10	LRP12FTWRR012	0,145	10		2	TME	0,145 €	2	0,290
54	2	30K	-				SMD0805-30K-1%	0,022	100		2	Mouser	0,014 €	2	0,028
55	2	100K	223-0691	CRG0805F100K	0,028	50	0805S8F1003T5E	0,015	100		2	Farnell	0,010 €	2	0,019
56	2	3K6	865-4425	ERJU06F3601V	0,039	50	0805S8F3601T5E	0,007	100		2	TME	0,007 €	2	0,014
57	2	11K8	679-0847	CRCW080511K8FKEA	0,036	50	0805S8F1182T5E	0,014	100		2	Mouser	0,010 €	2	0,020
58	2	15K	223-0584	CRG0805F15K	0,023	50	SMD0805-15K	0,013	100		2	Mouser	0,013 €	2	0,026
59	7	2K2	679-1207	CRCW08052K20FKEA	0,039	50	0805S8F2201T5E	0,022	100		7	TME	0,022 €	7	0,156
60	8	86K6	-				CRCW080586K6FKTABC	0,025	100		8	TME	0,025 €	8	0,200
61	1	330K	679-1272	CRCW0805330KFKEA	0,038	50	SMD0805-330K-1%	0,015	100		1	Farnell	0,010 €	1	0,010
62	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

#	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	1	SRF0703-821M	0703	TR1	1852832	SRF0703-821M	0,827	1	SRF0703-821MCT-ND	0,900	1	652-SRF0703-821M	0,681	1
64	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
65	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
66	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
67	3	SMAJ51A	SMA	ZD1, ZD3, ZD5	2677667	SMAJ51A	0,144	5	SMAJ51ALFCT-ND	0,370	1	652-SMAJ51A	0,463	1
68	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.	1206	C13											
3	N.C.	0805	C22, C58, C78											
1	100n	0603	C25		2522597	C0603C104K4RAC 7081	0,011	10	490-4774-1-ND	0,029	100	80-C0603C104M4R	0,007	100
2	4p7	C0G, 0603	C32, C33		2627469	MC0603N4R7C500 CT	0,329	10	311-1740-1-ND	0,054	10	710-885012006049	0,072	10
2	N.C.	SOD-123	D5, D10											
2	N.C.	SMA	D7, D12											
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	R37, R61											
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											
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

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

Custom made components

#	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 €	
63	1	SRF0703-821M	-				-				1	Mouser	0,681 €	1	0,681	
64	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	
65	1	77317-104-28LF	-				-			1		Digikey	1,030 €	1	1,030	
66	1	DS1024-2*5R0	826-7194	613010243121	0,950	1	ZL263-10DG	0,301	2	1		TME	0,301 €	1	0,301	
67	3	SMAJ51A	171-4238	SMAJ51A	0,320	25	SMAJ51A-LF	0,201	3	3		Farnell	0,144 €	3	0,432	
68	2	MM3Z9V1T1G	802-4653	MM3Z9V1T1G	0,039	200	MM3Z9V1T1G	0,020	25	2		TME	0,020 €	2	0,041	
											13	198				39,90 €

Not installed															
1	N.C.														
3	N.C.										3	Farnell	0,000 €	3	0,000
1	100n		393-6952	VJ0603Y104KXJ AT	0,069	25	CL10B104KA8NNNC	0,098	100		1	Mouser	0,007 €	1	0,007
2	4p7		298-9315	C0603C479C5G ACTU	0,024	25	CL10C4R7CB8NNNC	0,024	100		2	RS	0,024 €	2	0,048
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
1	LF XTAL026392		148-4357	LFXTAL026392	0,960	10	16.00M-12SM	0,950	1		1	Digikey	0,850 €	1	0,850

Related parts and acces:														
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
														16,05 €

Custom made componer

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

#	Qty	Part name	Code	RS Components			TME			THT	SMD	Price calculation for 1 set			
				Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ			Best Supplier	Lowest unit price €	Order Qty	Line Cost €
1	PCB											ALLPCB	7,387 €	1	7,387
														7,39 €	
														Total	63,34 €