

**EEZ DIB DCP405 BOM (r2B8, 2020-01-06)**  
Project source code at <https://github.com/eez-open/modular-psu>

#	Farnell / Element14								Digi-Key			Mouser			RS Components			
	Qty	Part name	Package	Reference designator	Code	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Code	Part Number	Unit price €	MOQ
1	5	10n/200V	1206	C1, C3, C4, C93, C97	2812560	885342207005	0,078	5	311-4491-1-ND	0,150	10	603-C1206KRX7RAB B103	0,129	10	669-8647	CC1206KRX7R ABB103	0,128	25
2	2	10u	1210	C10, C15	2672214	GRT31CR61H106 KE01L	0,684	5	1276-6736-1-ND	0,184	10	810-C3216X7R1HK1 60AC	0,597	10	103-4163	UMK316BBJ106 KL-T	0,236	20
3	1	EEEFK1J101P	Ø10mm, low ESR	C11, C16	9696040	EEEFK1J101P	1,020	1	PCE3819CT-ND	0,780	1	667-EEE-FK1J101P	0,690	1	708-3623	EEEFK1J101P	0,676	5
4	2	470p	0805	C12, C19	1759217	MC0805N471J500 CT	0,061	10	732-7837-1-ND	0,059	10	710-885012007038	0,056	10	378-700	0805CG471J9B B	0,040	25
5	1	EEEFK1H470P	Ø8mm, low ESR	C13	9695931	EEEFK1H470P	0,419	1	PCE3815CT-ND	0,590	1	667-EEE-FK1H470P	0,524	1	537-0590	EEEFK1H470P	0,510	5
6	4	33p	C0G, 0805	C17, C29, C46, C60	1759197	MC0805N330J500 CT	0,042	10	1276-1105-1-ND	0,048	10	C0805C330K5G ACTU	0,036	10	264-4264	C0805C330J5G ACTU	0,069	25
7	1	6n8	0805	C18	1759244	MC0805B682K500 CT	0,033	10	1276-1799-1-ND	0,052	10	80-C0805C682K5R	0,029	10	624-2531	GRM2195C1H6 82JA01D	0,196	50
8	2	HHXC630A330MHA0G	Ø8mm, low ESR	C2, C92	-	-	-	-	-	-	-	661-HHXC630A330M HA0G	0,891	1	-	-	-	-
9	4	4u7	1206	C20, C21, C27, C67	1907356	C3216X7R1E475K 160AC	0,240	5	1276-2970-1-ND	0,199	10	963-EMK316B7475M L-T	0,129	10	691-1221	C1206C475K3R ACTU	0,232	25
10	2	2u2	1206, 50V	C22, C23	-	-	-	-	1276-2723-1-ND	0,132	10	80-C1206C225M5R ECLR	0,106	10	184-3509	UMK316B7225K LHT	0,151	10
11	2	330p	C0G, 0805	C25, C63	1414686	C0805C331J5GAC TU	0,054	10	1276-1189-1-ND	0,049	10	80-C0805C331J5G	0,036	10	176-3198	0805N331J500C T	0,037	200
12	1	22u	1210, 25V	C26	2320935	MC1210X226K250 CT	1,490	1	1276-3373-1-ND	0,369	10	603-CC121KKX7R8B B226	0,777	10	766-1182	CL32A226KAJN NNE	0,343	10
13	6	10n	0805	C28, C33, C49, C54, C90, C98	2896555	VJ0805Y103JXXP W1BC	0,065	10	490-7194-1-ND	0,017	10	710-885012207122	0,036	10	464-6672	08055C103KAT 2A	0,026	50
14	2	100p	C0G, 0805	C41, C47	2896861	C0805C101JAGAC TU	0,023	10	399-15000-1-ND	0,019	10	80-C0805C101K5G	0,032	10	461-3997	CC0805JRNP09 BN101	0,030	50
15	7	1u	0805	C45, C53, C56, C70, C71, C80, C82	2896566	VJ0805Y105KXXT W1BC	0,084	5	587-1283-1-ND	0,090	10	603-CC805MKX7R7B B105	0,062	10	451-5770	C0805C105K4R ACTU	0,028	25
16	2	4u7/100V	1210	C5, C6	2211140	CGA6M3X7S2A47 5K200AB	0,967	50	587-5034-1-ND	0,813	10	810-CGA6M3X7S2A4 75K	0,629	100	-	-	-	-
17	3	1n	0805	C55, C64, C86	2896470	VJ0805A102JXAC W1BC	0,044	10	732-7858-1-ND	0,055	10	710-885012007040	0,052	10	723-6408	GRM2195C1H1 02JA01D	0,031	100
18	5	4n7	C0G, 0805	C61, C75, C76, C77, C78	1828942	GRM2165C1H472J A01D	0,184	10	732-12255-1-ND	0,162	10	810-C2012C0G1H47 2J-1	0,072	10	741-4529	C2012C0G1H47 2J060AA	0,056	100
19	1	4u7 tant.	1206	C69	2321209	T491A475K006AT	0,372	1	399-9717-1-ND	0,270	10	80-T491A475K006	0,265	10	538-2335	T491A475K006A T	0,290	10
20	1	1u/100V	1206	C7	2579026	C1206X105K1RAC AUTO	0,635	5	311-1948-6-ND	0,271	10	810-C3216X7R2A105 M	0,227	10	136-4396	12061C105KAT 2A	0,294	50
21	2	470n	0805	C8, C91	2627486	MC0805F474Z500 CT	0,187	10	1276-6482-1-ND	0,082	10	603-CC805KKX7R9B B474	0,107	10	378-700	0805CG471J9B B	0,040	25
22	1	33n	0805	C87	2627479	MC0805B333K250 CT	0,045	10	1276-1796-1-ND	0,057	10	80-C0805C333K5R AC	0,036	10	652-0982	VJ0805Y333KX AAC	0,060	25

#	TME					Price calculation for 1 set					
	Qty	Part name	Code / Part Number	Unit price €	MOQ	THT	SMD	Best Supplier	Lowest unit price €	Order Qty	Line Cost €
1	5	10n/200V	VJ1206Y103KXCTW1 BC	0,019	100		5	TME	0,019 €	5	0,095
2	2	10u	CL31A106KBHNNNE	0,546	10		2	Digikey	0,184 €	2	0,368
3	1	EEEFK1J101P	EEEFK1J101P	0,321	5		1	TME	0,321 €	1	0,321
4	2	470p	CC0805JRNPO9BN47 1	0,024	100		2	TME	0,024 €	2	0,048
5	1	EEEFK1H470P	EEEFK1H470P	0,183	5		1	TME	0,183 €	1	0,183
6	4	33p	CL21C330JBANNNC	0,015	100		4	TME	0,015 €	4	0,060
7	1	6n8	CL21B682KBANNNC	0,327	100		1	Mouser	0,029 €	1	0,029
8	2	HHXC630A330MHA0G	-				2	Mouser	0,891 €	2	1,782
9	4	4u7	GCM31CR71E475KA5 5L	0,381	10		4	Mouser	0,129 €	4	0,516
10	2	2u2	CL31B225KBHNNNE	0,029	50		2	TME	0,029 €	2	0,057
11	2	330p	CL21C331JBANNNC	0,029	100		2	TME	0,029 €	2	0,058
12	1	22u	CL32A226KAJNNNE	0,158	10		1	TME	0,158 €	1	0,158
13	6	10n	CC0805KRX7R9103	0,027	100		6	Digikey	0,017 €	6	0,102
14	2	100p	CL21C101JBANNNC	0,026	100		2	Digikey	0,019 €	2	0,038
15	7	1u	CL21B105KOFNNNE	0,010	100		7	TME	0,010 €	7	0,073
16	2	4u7/100V	-				2	Mouser	0,629 €	2	1,258
17	3	1n	CL21C102JBCNNNC	0,026	100		3	TME	0,026 €	3	0,077
18	5	4n7	GRM2165C1H472JA0 1D	0,021	100		5	TME	0,021 €	5	0,105
19	1	4u7 tant.	T491A475K006AT	0,099	10		1	TME	0,099 €	1	0,099
20	1	1u/100V	-				1	Mouser	0,227 €	1	0,227
21	2	470n	CL21B474KBFNNNE	0,027	100		2	TME	0,027 €	2	0,053
22	1	33n	CL21B333KBANNNC	0,015	100		1	TME	0,015 €	1	0,015

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23	31	100n	0603	C9, C24, C30, C31, C32, C34, C35, C36, C37, C38, C39, C42, C48, C50, C51, C52, C57, C58, C59, C65, C66, C68, C72, C73, C74, C79, C81, C83, C85, C88, C89	2522597	C0603C104K4RAC7081	0,011	10		490-4774-1-ND	0,029	100		80-C0603C104M4R	0,007	100		393-6952	VJ0603Y104KXJAT	0,069	25
24	11	BAS316	SOD-323	D9, D3, D10, D11, D12, D13, D15, D16, D18, D19, D20	8734275	BAS316,115	0,193	5		1727-7370-1-ND	0,120	1		771-BAS316-T/R	0,179	1		397-2914	BAS316,115	0,122	50
25	1	SK55	SMB	D14	1299292	SK56C	0,608	1		SK55L-TPMSCT-ND	0,430	1		833-SK56A-LTP	0,489	1		743-5961	SK56B R4	0,443	10
26	1	STPS15H100	DPAK	D2	2344052	STPS15H100CB-TR	1,010	1		497-11400-5-ND	1,070	1		511-STPS15H100CB-TR	1,050	1		795-9075	STPS15H100CB-TR	1,088	5
27	2	SKL16	SOD-123	D4, D5	2673070	RB160MM-60TR	0,282	5		RB160MM-60CT-ND	0,264	10		755-RB160MM-60TR	0,233	10		124-6774	RB160MM-60TR	0,230	40
28	4	SKL14	SOD-123	D6, D7, D9, D17	2760412	PMEG4010EGWX	0,204	5		1727-7335-1-ND	0,243	10		841-PMEG4010EGWX	0,188	10		153-0632	PMEG4010EGWX	0,078	100
29	2	ZH32	THT; 20x5mm fuse holder, See note 1	F1, F2	-					-				-				-			
30	3	BLM18AG102SH1D	0603	FB1, FB2, FB3	1515671	BLM18AG102SN1D	0,053	10		490-7809-1-ND	0,081	10		81-BLM18AG102SH1D	0,063	10		839-0803	BLM18AG102SH1D	0,043	100
31	1	LTC3864EMSE#PBF	TSSOP-12	IC1	-					LTC3864EMSE#PBF-ND	4,440	1		584-LTC3864EMSE#PBF	4,360	1		-			
32	1	MC33272ADR2G	SOIC-8	IC10	2531389	MC33272ADR2G	0,854	1		MC33272ADR2GOSCT-ND	0,910	1		863-MC33272ADR2G	0,865	1		773-7778	MC33272ADR2G	0,865	1
33	1	LTC2050HVCS8#PBF	SOIC-8	IC11	-					LTC2050HVCS8#PBF-ND	2,760	1		584-LTC2050HVCS8#PBF	2,710	1		822-6746	LTC2050HVCS8#PBF	2,155	2
34	1	74AUP1G74DC.125	VSSOP-8	IC12	2445023	74AUP1G74DC,125	0,369	1		1727-6029-1-ND	0,430	1		771-AUP1GDC125	0,419	1		813-9254	74AUP1G74DC,125	0,408	20
35	1	MCP23S17-E/SS	SSOP-28	IC13	1467675	MCP23S17-E/SS	1,160	1		MCP23S17-E/SS-ND	1,210	1		579-MCP23S17-E/SS	1,180	1		669-6452	MCP23S17-E/SS	1,188	5
36	1	REF5025AIDR	SOIC-8	IC14	1439622	REF5025AIDG4	3,440	1		296-39165-1-ND	2,660	1		595-REF5025AIDR	2,540	1		404-304	REF5025AID	3,030	1
37	1	TC77-5.0MCTTR	SOT23-5	IC15	-					TC77-5.0MCTTRCT-ND	0,890	1		579-TC77-5.0MCTTR	0,882	1		768-1549	TC77-5.0MCTTR	0,514	5
38	1	DAC8552IDGKR	VSSOP-8	IC16	-					296-46082-1-ND	6,430	1		595-DAC8552IDGKR	6,150	1		-			
39	1	SN74LVC1G3157DCKR	SC-70	IC17	1470911	SN74LVC1G3157DCKR	0,274	5		296-14909-1-ND	0,330	1		595-SN74LVC1G3157DCK	0,323	1		628-2769	SN74LVC1G3157DCKR	0,237	10
40	1	ADS1120IPWR	TSSOP-16	IC18	-					296-37280-1-ND	6,030	1		595-ADS1120IPWR	5,760	1		-			
41	1	LM293D	SOIC-8	IC19	2382616	LM293DT	0,289	5		296-12848-1-ND	0,340	1		511-LM293DT	0,255	10		661-2592	LM293ADR	0,273	10
42	1	TPS54060DGQ	MSOP-10	IC2	1710820	TPS54060DGQ	3,030	1		296-37148-1-ND	2,630	1		TPS54060ADGQR	2,570	1		698-9079	TPS54060DGQ	2,680	1
43	1	MAX9141ESA	SOIC-8	IC20	2515004	MAX9141ESA+	1,230	1		MAX9141ESA+-ND	1,090	1		700-MAX9141ESA	0,934	1		799-8282	MAX9141ESA+	1,360	5
44	2	SI8641BB-B-IS1	SOIC-16	IC3, IC7	2423291	SI8641BB-B-IS1	2,140	1		336-2566-ND	2,230	1		634-SI8641BB-B-IS1	2,060	1		823-2126	SI8641BB-B-IS1	2,190	5
45	1	SN74LVC1G139DCUR	VSSOP-8	IC4	2147991	SN74LVC1G139DCUR	0,561	1		296-18203-1-ND	0,510	1		595-SN74LVC1G139DCUR	0,489	1		-			
46	1	MC78L05	SOIC-8	IC5	2534293	MC78L05ABDR2G	0,324	1		MC78L05ACDR2GOSCT-ND	0,420	1		863-MC78L05ACDR2G	0,306	1		516-6149	MC78L05ACDG	0,150	1

#	TME					Price calculation for 1 set					Line Cost €
	Qty	Part name	Code / Part Number	Unit price €	MOQ	THT	SMD	Best Supplier	Lowest unit price €	Order Qty	
23	31	100n	CL10B104KA8NNNC	0,098	100		31	Mouser	0,007 €	31	0,217
24	11	BAS316	BAS316,115	0,026	25		11	TME	0,026 €	11	0,291
25	1	SK55	SK55-DIO	0,119	5		1	TME	0,119 €	1	0,119
26	1	STPS15H100	-				1	Farnell	1,010 €	1	1,010
27	2	SKL16	SKL16-DIO	0,105	5		2	TME	0,105 €	2	0,210
28	4	SKL14	SKL14-DIO	0,053	10		4	TME	0,053 €	4	0,211
29	2	ZH32	ZH32	0,228	5	2		TME	0,228 €	2	0,456
30	3	BLM18AG102SH1D	BLM18AG102SH1D	0,016	50		3	TME	0,016 €	3	0,047
31	1	LTC3864EMSE#PBF	-				1	Mouser	4,360 €	1	4,360
32	1	MC33272ADR2G	MC33272ADR2G	0,570	1		1	TME	0,570 €	1	0,570
33	1	LTC2050HVCS8#PBF	-				1	RS	2,155 €	1	2,155
34	1	74AUP1G74DC.125	74AUP1G74DC.125	0,323	3		1	TME	0,323 €	1	0,323
35	1	MCP23S17-E/SS	MCP23S17-E/SS	1,230	1		1	Farnell	1,160 €	1	1,160
36	1	REF5025AIDR	-				1	Mouser	2,540 €	1	2,540
37	1	TC77-5.0MCTTR	TC77-5.0MCTTR	0,970	1		1	RS	0,514 €	1	0,514
38	1	DAC8552IDGKR	-				1	Mouser	6,150 €	1	6,150
39	1	SN74LVC1G3157DCKR	SN74LVC1G3157DCKR	0,107	5		1	TME	0,107 €	1	0,107
40	1	ADS1120IPWR	-				1	Mouser	5,760 €	1	5,760
41	1	LM293D	LM293D-ST	0,143	5		1	TME	0,143 €	1	0,143
42	1	TPS54060DGQ	-				1	Mouser	2,570 €	1	2,570
43	1	MAX9141ESA	-				1	Mouser	0,934 €	1	0,934
44	2	SI8641BB-B-IS1	-				2	Mouser	2,060 €	2	4,120
45	1	SN74LVC1G139DCUR	-				1	Mouser	0,489 €	1	0,489
46	1	MC78L05	MC78L05ACDG	0,228	3		1	RS	0,150 €	1	0,150

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47	1	MC79L05	SOIC-8	IC6	2534292	MC79L05ACDR2G	0,310	1	MC79L05ABDG OS-ND	0,350	1	863-MC79L05ACDR2G	0,358	1	688-9313	MC79L05ACDR2G	0,110	1
48	1	M24C32-WMN6P	SOIC-8	IC8	1224413	M24C32-WMN6P	0,212	5	497-8644-1-ND	0,210	1	511-M24C32-RMN6TP	0,210	1	686-2453	M24C32-WMN6P	0,180	25
49	1	TL072D	SOIC-8	IC9	1467663	TL072CDT	0,358	5	296-1282-1-ND	0,420	1	595-TL072CDR	0,369	1	714-1082	TL072CD	0,071	20
50	1	4907	THT, PCB terminal; 4.8mm	J1	-				36-4907-ND	0,260	1	534-4907	0,257	1	-			
51	1	FCR7350R or BSM-420-R	THT, binding post 4 mm; red	J2	1854508	FCR7350R	6,170	1	-			-			144-1450	SWEB 8094 Au / RT	4,640	1
52	1	FCR7350B or BSM-420-B	THT, binding post 4 mm; black	J3	1854507	FCR7350B	5,750	1	-			-			144-1451	SWEB 8094 Au / SW	4,640	1
53	1	G6K-2F-5DC	Miniature relay, non-latching	K1	4446185	G6K-2F 5DC	2,940	1	Z128-ND	3,430	1	653-G6K-2F-DC5	3,370	1	365-0361	G6K-2F-Y 5DC	5,940	1
54	1	RN112-4-02-0M7	THT; RN112	L1					817-2100-ND	1,560	1	631-RN112-4-02-0M7	1,400	1	-			
55	1	125CDMCCDS-330MC	Power inductor	L2	2211631	7443551331	3,930	1	308-2568-1-ND	1,510	1	851-125CDMCCDS33OMC	1,590	1	-			
56	1	VLS6045AF-3R3N	Power inductor	L3	1741325	IHLP2020CZER3R3M11	1,940	5	445-180834-1-ND	0,510	1	810-VLS6045AF-3R3N	0,510	1	-			
57	1	WP934MD/2LID	THT, dual (red/red) 3 mm LED	LED1	-				754-2000-ND	0,920	1	604-WP934MD2LID	1,030	1	-			
58	1	WP42WUM/EGW	THT, dual (green/red) 3 mm LED	LED2	-				754-1718-ND	0,930	1	604-WP42WUM/EGW	0,926	1	-			
59	1	WP934MD/LYLID	THT, dual (yellow/red) 3 mm LED	LED3	-				754-2008-ND	0,990	1	604-WP934MDLYLID	0,795	1	-			
60	1	SUD19P06-60	DPAK	Q1	2101465	SUD19P06-60-GE3	0,965	5	SUD19P06-60-GE3CT-ND	1,200	1	781-SUD19P06-60-GE3	1,040	1	180-7995	SUD19P06-60-GE3	0,960	10
61	2	PSMN0R9-25YLC	SOT-669	Q10, Q11	1895396	PSMN0R9-25YLC,115	1,300	5	1727-5292-1-ND	1,270	1	771-PSMN0R925YLC115	1,320	1	798-2895	PSMN0R9-25YLC,115	1,537	3
62	1	BSS84P	SOT-23	Q12	1056526	BSS84PH6327XTS A2	0,224	5	BSS84PH6433X TMA1CT-ND	0,314	10	726-BSS84PH6327X TSA2	0,196	10	-			
63	1	BTA26-600	THT, TOP-3	Q13	1057286	BTA26-600BRG	3,820	1	497-2427-5-ND	3,510	1	511-BTA26-600B	3,440	1	714-0515	BTA26-600BRG	3,710	1
64	1	FMMT493TA	SOT-23	Q14	2061448	FMMT493ATA	0,348	5	FMMT493CT-ND	0,420	1	522-FMMT493TA	0,376	1	274-885	FMMT493TA	0,302	10
65	4	2N7002	SOT-23	Q15, Q16, Q17, Q23	1713825	2N7002K-7	0,148	5	T2N7002AKLMC T-ND	0,126	10	757-T2N7002AKLM	0,113	10	671-0312	2N7002	1,250	20
66	1	PSMN013-60YL	SOT-669	Q18	2617064	PSMN013-60YLX	0,706	1	1727-2589-1-ND	0,600	1	771-PSMN013-60YLX	0,576	1	-			
67	3	MMBT5551	SOT-23	Q19, Q21, Q22	1459109	MMBT5551LT1G	0,154	5	MMBT5551LT1G OSCT-ND	0,180	1	863-MMBT5551LT1G	0,170	1	545-0400	MMBT5551LT1G	0,146	10
68	3	MMBT5401	SOT-23	Q2, Q7, Q20	2533333	MMBT5401LT3G	0,181	5	MMBT5401-FDICT-ND	0,154	10	621-MMBT5401-F	0,135	10	739-0546	MMBT5401	0,157	10
69	2	D45H11FP	THT, TO-220FP	Q3, Q4	9557164	D45H11G	0,865	1	497-2578-5-ND	0,980	1	863-D45H11G	0,742	1	545-0179	D45H11G	0,740	1
70	1	FQPF11P06	THT, TO-220FP	Q5	-				FQPF11P06FS-ND	0,920	1	512-FQPF11P06	0,873	1	807-5885	FQPF11P06	0,715	10
	0	Option #1: FQPF27P06			2322632	FQPF27P06	1,530	1	FQPF27P06FS-ND	1,380	1	512-FQPF27P06	1,320	1	807-5901	FQPF27P06	1,363	1
71	1	BCP56	SOT-223	Q6	2628083	BCP56TX	0,263	5	BCP5616QTADI CT-ND	0,350	1	621-BCP5616QTA	0,297	1	773-7633	BCP56-16T3G	0,138	10
72	1	NZT605	SOT-223	Q8	2825127	NZT605	0,334	5	NZT605CT-ND	0,380	1	512-NZT605	0,341	1	806-1268	NZT605	0,284	25
73	1	BSS205NH6327XTSA1	SOT-23	Q9	2480648	BSS205NH6327XTSA1	0,257	5	BSS205NH6327XTSA1CT-ND	0,274	10	BSS205NH6327XTSA1	0,236	10	892-2374	BSS205NH6327XTSA1	0,108	100
74	2	750R	0805	R105, R110	2447719	MCWR08X7500FT L	0,010	10	A126385CT-ND	0,046	10	71-CRCW0805750R FKEB	0,052	10	215-2298	RN73C2A750RB	0,666	5
75	11	4K7	0805	R11, R27, R30, R32, R36, R54, R70, R84, R88, R98, R100	2861530	CRGCQ0805F4K7	0,012	10	311-4.70KCRCT-ND	0,040	10	603-RC0805FR-074K7L	0,027	10	223-0528	CRG0805F4K7	0,023	50

#	TME					Price calculation for 1 set					
	Qty	Part name	Code / Part Number	Unit price €	MOQ	THT	SMD	Best Supplier	Lowest unit price €	Order Qty	Line Cost €
47	1	MC79L05	MC79L05ACDG	0,232	3		1	RS	0,110 €	1	0,110
48	1	M24C32-WMN6P	M24C32-WMN6P	0,165	3		1	TME	0,165 €	1	0,165
49	1	TL072D	1	0,240	3		1	RS	0,071 €	1	0,071
50	1	4907	61-1537-11/0031	0,049	10	1		TME	0,049 €	1	0,049
51	1	FCR7350R or BSM-420-R	BSM-420-R	1,426	1	1		TME	1,426 €	1	1,426
52	1	FCR7350B or BSM-420-B	BSM-420-B	1,860	1	1		TME	1,860 €	1	1,860
53	1	G6K-2F-5DC	G6K-2F-5DC	1,850	1		1	TME	1,850 €	1	1,850
54	1	RN112-4-02-0M7	-			1		Mouser	1,400 €	1	1,400
55	1	125CDMCCDS-330MC					1	Digikey	1,510 €	1	1,510
56	1	VLS6045AF-3R3N	HPI0630-3R3	0,335	1		1	TME	0,335 €	1	0,335
57	1	WP934MD/2LID	-			1		Digikey	0,920 €	1	0,920
58	1	WP42WUM/EGW	L-42WUM/1EGWT	0,501	1	1		TME	0,501 €	1	0,501
59	1	WP934MD/LYLID	-			1		Mouser	0,795 €	1	0,795
60	1	SUD19P06-60	SUD19P06-60-GE3	0,740	1		1	TME	0,740 €	1	0,740
61	2	PSMN0R9-25YLC	PSMN0R9-25YLC.115	0,709	2		2	TME	0,709 €	2	1,418
62	1	BSS84P	BSS84P	0,060	10		1	TME	0,060 €	1	0,060
63	1	BTA26-600	BTA26-600BRG	2,180	1	1		TME	2,180 €	1	2,180
64	1	FMMT493TA	FMMT493TA	0,125	10		1	TME	0,125 €	1	0,125
65	4	2N7002	2N7002LT1G	0,019	25		4	TME	0,019 €	4	0,077
66	1	PSMN013-60YL	-				1	Mouser	0,576 €	1	0,576
67	3	MMBT5551	MMBT5551	0,024	25		3	TME	0,024 €	3	0,073
68	3	MMBT5401	MMBT5401	0,024	25		3	TME	0,024 €	3	0,071
69	2	D45H11FP	D45H11	0,570	1	2		TME	0,570 €	2	1,140
70	1	FQPF11P06	-			1		RS	0,715 €	1	0,715
	0	Option #1: FQPF27P06	FQPF27P06	0,820	2	0		TME	0,820 €	0	0,000
71	1	BCP56	BCP56-16T1G	0,153	5		1	RS	0,138 €	1	0,138
72	1	NZT605	NZT605	0,222	5		1	TME	0,222 €	1	0,222
73	1	BSS205NH6327XTSA1	BSS205NH6327XTSA1	0,097	10		1	TME	0,097 €	1	0,097
74	2	750R	0805S8F7500T5E	0,015	100		2	Farnell	0,010 €	2	0,019
75	11	4K7	0805S8F4701T5E	0,023	100		11	Farnell	0,012 €	11	0,129

#	Farnell / Element14									Digi-Key			Mouser			RS Components			
	Qty	Part name	Package	Reference designator	Code	Part Number	Unit price €	MOQ		Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Code	Part Number	Unit price €	MOQ
76	2	1R	1206	R110, R61															
77	4	47K	0805	R13, R60, R65, R111	2447664	MCWR08X4702FT L	0,009	10		RHM47KKCT-ND	0,036	10	603-RC0805FR-0747KL	0,014	10	679-1434	CRCW080547K0FKEA	0,036	50
78	11	2K2	0805	R16, R33, R40, R48, R56, R57, R74, R77, R78, R80, R81	9237534	RC0805FR-072K2L	0,037	10		311-2.20KCRCT-ND	0,039	10	603-RC0805FR-072K2L	0,026	10	679-1207	CRCW08052K20FKEA	0,039	50
79	20	10K	0805	R2, R6, R17, R21, R22, R23, R24, R31, R47, R52, R62, R71, R86, R87, R89, R94, R95, R99, R107, R108	9237755	RC0805FR-0710KL	0,022	10		311-10.0KCRCT-ND	0,039	10	603-RC0805FR-0710KL	0,014	10	125-1189	CRG0805F10K	0,002	100
80	1	86K6	0805	R20	2303750RL	ERJ6ENF8662V	0,058	10		311-86.6KCRCT-ND	0,036	10	603-RT0805FRE0786K6L	0,056	10	-			
81	2	0R1/2-3W	2512	R25, R26	2828391	MCLRP12JTWSR100	0,240	10		696-1680-1-ND	0,465	10	71-RCWE2512R100FKEA	0,418	10	693-4394	CRA2512-FZ-R100ELF	0,644	5
82	1	2R2/2-3W	2512	R29	1265193	35202R2JT	0,143	10		CRM2512-JW-2R2ELFCT-ND	0,342	10	279-35222R2JT	0,296	10	871-1023	35222R2JT	0,449	10
83	1	R008/2-3W	2512	R3	2828273	MCLRP12FTWSR008	0,272	10		YAG2162CT-ND	0,463	10	755-PMR100HZPFU8L00	0,397	10	824-0329	CRE2512-FZ-R008E-2	0,498	10
84	2	220R	0805	R37, R39	1099795	WCR0805-220RFI	0,019	10		RMCF0805FT220RCT-ND	0,020	10	603-RC0805FR-13220RL	0,020	10	223-0332	CRG0805F220R	0,018	50
85	2	15R/0.75W	1206	R4, R49	2862025	CRGCQ2010J15R	0,076	10		A129910CT-ND	0,196	10	603-RC2010FK-0715RL	0,166	10	123-4428	RK73HW2HTTE15R0F	0,061	50
86	2	7K5 0.1%	0805	R41, R50	1575887	MCTC0525B7501T5E	0,203	10		YAG1974CT-ND	0,265	10	279-CPF0805B7K5E1	0,249	10	-			
87	3	22K	0805	R42, R102, R103	2447607	MCWR08X2202FT L	0,010	10		RMCF0805FT22K0CT-ND	0,024	10	71-CRCW080522K0FKEAC	0,018	100	679-1109	CRCW080522K0FKEA	0,034	50
88	2	16K	0805	R44, R53	2447578	MCWR08X1602FT L	0,062	10		311-16.0KCRCT-ND	0,036	10	603-RT0805FRE0716KL	0,058	10	679-0920	CRCW080516K0FKEA	0,029	50
89	2	124K 0.1%	0805	R45, R46	2670132	WF08U1243BTL	0,025	10		P124KDACT-ND	0,269	10	667-ERJ-PB6B1243V	0,160	10	123-1601	CPF0805B124KE1	0,223	10
90	7	10R	1206	R5, R12, R14, R15, R34, R35, R82	9236643	RC1206FR-0710RL	0,050	10		311-10.0CRCT-ND	0,071	10	603-RC1206FR-0710RL	0,034	10	740-9085	CR1206-FX-10R0ELF	0,036	50
91	2	39K 0.1%	0805	R58, R64	2337828	MCWF08R3902BT L	0,276	10		P20774CT-ND	0,268	10	279-CPF0805B39KE1	0,122	10	866-7418	CPF-A-0805B39KE1	0,343	10
92	2	820R 0.1%	0805	R59, R68	2338010	MCWF08R8200BT L	0,276	10		YAG1979CT-ND	0,262	10	603-RT0805BRD0782ORL	0,196	10	866-7484	CPF-A-0805B820RE1	0,265	10
93	1	1K8	0805	R63	2447595	MCWR08X1801FT L	0,008	10		A129752CT-ND	0,048	10	652-CR0805FX-1801ELF	0,014	10	223-0461	CRG0805F1K8	0,027	50
94	2	3K3	0805	R66, R106	2447651	MCWR08X3301FT L	0,008	10		A129755CT-ND	0,048	10	652-CR0805FX-3301ELF	0,014	10	223-0499	CRG0805F3K3	0,027	50
95	1	0R010	2512, low TCR	R67	2808330	GMR100HTBFA10L0	1,130	5		511-1686-1-ND	1,350	1	755-GMR100HTBFA10L0	1,080	1	-			
96	6	100K	0805	R7, R10, R18, R72, R96, R114	2447551	MCWR08X1003FT L	0,010	10		RMCF0805FT100KCT-ND	0,024	10	71-CRCW0805100KFKEAC	0,040	10	223-0691	CRG0805F100K	0,028	50
97	1	270R	0805	R73	2073716	MCMR08X271 JTL	0,009	10		RMCF0805FT270RCT-ND	0,025	10	652-CR0805FX-2700ELF	0,013	10	223-0348	CRG0805F270R	0,025	50
98	5	470R	0805	R75, R76, R79, R85, R113	1099798	WCR0805-470RFI	0,019	10		311-470CRCT-ND	0,039	10	71-CRCW0805470RFKEB	0,041	10	223-0376	CRG0805F470R	0,021	50
99	6	1K	0805	R8, R38, R43, R69, R91, R101	1099800	WCR0805-1K0FI	0,019	10		RC0805FR-071KL	0,039	10	603-RC0805FR-071KL	0,015	10	223-0427	CRG0805F1K0	0,017	50

#	TME					Price calculation for 1 set					
	Qty	Part name	Code / Part Number	Unit price €	MOQ	THT	SMD	Best Supplier	Lowest unit price €	Order Qty	Line Cost €
76	2	1R					2	Farnell	0,000 €	2	0,000
77	4	47K	RC0805FR-0747K	0,022	100		4	Farnell	0,009 €	4	0,038
78	11	2K2	0805S8F2201T5E	0,022	100		11	TME	0,022 €	11	0,246
79	20	10K	RC0805FR-0710K	0,022	100		20	RS	0,002 €	20	0,040
80	1	86K6	CRCW080586K6FKTA BC	0,025	100		1	TME	0,025 €	1	0,025
81	2	0R1/2-3W	LRP12FTDRR100	0,155	10		2	TME	0,155 €	2	0,310
82	1	2R2/2-3W	WF25P2R2JTL	0,043	50		1	TME	0,043 €	1	0,043
83	1	R008/2-3W	LRP12FTWRR008	0,149	10		1	TME	0,149 €	1	0,149
84	2	220R	0805S8F2200T5E	0,022	100		2	RS	0,018 €	2	0,036
85	2	15R/0.75W	201007J0150T4E	0,025	100		2	TME	0,025 €	2	0,049
86	2	7K5 0.1%	AR05BTCW7501	0,105	10		2	TME	0,105 €	2	0,210
87	3	22K	0805S8J0223T5E	0,013	100		3	Farnell	0,010 €	3	0,029
88	2	16K	0805S8F1602T5E	0,015	100		2	TME	0,015 €	2	0,030
89	2	124K 0.1%	ERA6AEB1243V	0,090	10		2	Farnell	0,025 €	2	0,050
90	7	10R	1206S4J0100T5E	0,012	100		7	TME	0,012 €	7	0,087
91	2	39K 0.1%	AR05BTCW3902	0,105	10		2	TME	0,105 €	2	0,211
92	2	820R 0.1%	AR05BTCW8200	0,105	10		2	TME	0,105 €	2	0,211
93	1	1K8	0805S8F1801T5E	0,015	100		1	Farnell	0,008 €	1	0,008
94	2	3K3	0805S8F3301T5E	0,015	100		2	Farnell	0,008 €	2	0,016
95	1	0R010	-				1	Mouser	1,080 €	1	1,080
96	6	100K	0805S8F1003T5E	0,015	100		6	Farnell	0,010 €	6	0,058
97	1	270R	0805S8F2700T5E	0,023	100		1	Farnell	0,009 €	1	0,009
98	5	470R	RC0805FR-07470R	0,022	100		5	Farnell	0,019 €	5	0,095
99	6	1K	RC0805FR-071K	0,022	100		6	Mouser	0,015 €	6	0,090



#	Qty	Part name	Package	Reference designator	Code	Farnell / Element14				Digi-Key				Mouser				RS Components			
						Part Number	Unit price €	MOQ		Part Number	Unit price €	MOQ		Part Number	Unit price €	MOQ		Code	Part Number	Unit price €	MOQ
100	5	330R	0805	R83, R90, R92, R104, R112	2695037	MCWR08X331 JTL	0,009	10		A129743CT-ND	0,045	10		652-CR0805FX-3300ELF	0,013	10		223-0354	CRG0805F330R	0,040	50
101	2	330K	0805	R9, R19	2447637	MCWR08X3303FT L	0,010	10		A126361CT-ND	0,046	10		652-CR0805FX-3303ELF	0,013	10		679-1272	CRCW0805330 KFKEA	0,038	50
102	1	AC01000001007JA100	THT; power resistor	R93	1735022	AC01000001007JA 100	0,441	1		PPC1W.10CT-ND	0,500	1		594-AC01W0R100J	0,349	1		846-9836	AC01000001007 JA100	0,350	1
103	1	6R2	0805	R97	2447714	MCWR08W6R20F TL	0,012	10		311-6.20CRCT-ND	0,070	10		603-RC0805FR-076R2L	0,020	10		-			
104	2	DR1206-33R-4/8	1206 resistor array	RN1, RN2	1770128	CAY16-330J4LF	0,069	10		CAY16-330J4LFCT-ND	0,090	1		652-CAY16-330J4LF	0,085	1		522-5670	CAY16-330J4LF	0,004	50
105	1	SRF0703-821M	0703	TR1	1852832	SRF0703-821M	0,827	1		SRF0703-821MCT-ND	0,900	1		652-SRF0703-821M	0,681	1		-			
106	1	39-30-1020	THT, Minifit Jr. 2-pin, right angle	X1	9963367	39-30-1020	0,408	10		WM1351-ND	0,510	1		538-39-30-1020	0,498	1		510-9837	39-30-1020	0,352	5
107	1	77317-104-20LF	THT, 20-pin 0.1" header right angled	X2	-					S2111EC-10-ND	0,820	1		649-77317-104-20LF	1,220	1		-			
108	1	691322110005	THT; Pluggable Terminal Blocks; 3.5mm; 5-pin	X3	2493680	CTB932HD/5	0,373	10		732-2772-ND	1,010	1		710-691322110005	1,000	1		824-6642	691322110005	0,960	1
109	1	DS1024-2*10R0	THT, 20-pin 0.1" receptacle right angled	X4	1668376	SSW-110-02-G-D-RA	2,640	1		SAM10030-ND	1,770	1		200-SSW11002TDRA	1,750	1		180-0986	SSW-110-02-T-D-RA	2,100	1
110	2	SMAJ51A	SMA	ZD1, ZD5	2677667	SMAJ51A	0,144	5		SMAJ51ALFCT-ND	0,370	1		652-SMAJ51A	0,463	1		171-4238	SMAJ51A	0,320	25
111	1	MM3Z9V1T1G	SOD-323	ZD2	2463517	MM3Z9V1T1G	0,124	5		MM3Z9V1T1GO SCT-ND	0,120	1		863-MM3Z9V1T1G	0,108	10		802-4653	MM3Z9V1T1G	0,039	200
112	1	SLVU2.8-TP	TVS, SOT-23	ZD3	2749173	SLVU2.8HTG	0,929	5		SLVU2.8-TPMSCT-ND	0,690	1		833-SLVU2.8-TP	0,664	1		793-1942	SLVU2.8HTG	1,000	5
113	1	MMSZ5230BT1G	SOD-123	ZD4	1431272	MMSZ5230BT1G	0,177	10		MMSZ5230BT1G OSCT-ND	0,148	10		863-MMSZ5230BT1G	0,170	10		545-3033	MMSZ5230BT1 G	0,173	20

Not installed																					
1	N.C.	0805		C14																	
1	N.C.	0805		C40	1759217	MC0805N471J500 CT	0,061	10		732-7837-1-ND	0,059	10		710-885012007038	0,056	10		378-700	0805CG471J9B B	0,040	25
5	N.C.	0805		C43, C44, C62, C95, C96																	
1	N.C.	0805		C84	2896566	VJ0805Y105KXXT W1BC	0,084	5		587-1283-1-ND	0,090	10		603-CC805MKX7R7B B105	0,062	10		451-5770	C0805C105K4R ACTU	0,028	25
1	N.C.	ECAP2G/5		C94																	
1	N.C.	SOD-123		D8																	
1	N.C.	2512		R1	2081875	ASC2512-4K7FT4	0,195	10		A130729CT-ND	0,331	10		279-CRGP2512F4K7	0,180	10		224-0424	35204K7JT	1,370	10
3	N.C.	0805		R28, R51, R55																	

Related parts and accessories																					
2	PMB-1	PCB bracket; polyamide		KK1, KK2	-					-				-							
1	SK96/84/SA	Heatsink 84 x 55 x 28 mm		KK3	-					-				-							
2	B3X5/BN661	Screw; M3x5; countersunk; Phillips; A2 stainless steel																			
2	M3X5/D7985	Screw; M3x5; cheese head; Phillips for PCB brackets			-					-				-							
5	M3X8/D7985B	Screw; M3x8; cheese head; black; Phillips for heatsink and TO-220 parts			-					-				-							
3	B3/BN789	Washer; externally serrated; M3; D=6mm; h=0.4mm			-					-				-							
2	522.725	20 x 5 mm, 6.3A fuse; time lag; ceramic																			

#	TME					Price calculation for 1 set					
	Qty	Part name	Code / Part Number	Unit price €	MOQ	THT	SMD	Best Supplier	Lowest unit price €	Order Qty	Line Cost €
100	5	330R	0805S8F3300T5E	0,015	100		5	Farnell	0,009 €	5	0,047
101	2	330K	0805S8F3303T5E	0,015	100		2	Farnell	0,010 €	2	0,020
102	1	AC01000001007JA100	-			1		Mouser	0,349 €	1	0,349
103	1	6R2	RC0805JR-076R2	0,034	100		1	Farnell	0,012 €	1	0,012
104	2	DR1206-33R-4/8	DR1206-33R-4/8	0,009	100		2	RS	0,004 €	2	0,008
105	1	SRF0703-821M	-				1	Mouser	0,681 €	1	0,681
106	1	39-30-1020	MX-39-30-1020	0,339	5	1		TME	0,339 €	1	0,339
107	1	77317-104-20LF	ZL212-20KG	0,140	5	1		TME	0,140 €	1	0,140
108	1	691322110005	-			1		Farnell	0,373 €	1	0,373
109	1	DS1024-2*10R0	ZL263-20DG	0,335	2	1		TME	0,335 €	1	0,335
110	2	SMAJ51A	SMAJ51A-LF	0,201	3		2	Farnell	0,144 €	2	0,288
111	1	MM3Z9V1T1G	MM3Z9V1T1G	0,020	25		1	TME	0,020 €	1	0,020
112	1	SLVU2.8-TP	-				1	Mouser	0,664 €	1	0,664
113	1	MMSZ5230BT1G	MMSZ5230BT1G	0,033	25		1	TME	0,033 €	1	0,033
						18	264				
											65,43 €

Not installed											
1	N.C.						1	Farnell	0,000 €	1	0,000
1	N.C.	CC0805JRNPO9BN47	1	0,024	100		1	TME	0,024 €	1	0,024
5	N.C.						5	Farnell	0,000 €	5	0,000
1	N.C.	CL21B105KOFNNNE		0,010	100		1	TME	0,010 €	1	0,010
1	N.C.						1	Farnell	0,000 €	1	0,000
1	N.C.						1	Farnell	0,000 €	1	0,000
1	N.C.	CRCW25124K70FKTH	BC	0,113	10		1	TME	0,113 €	1	0,113
3	N.C.										

Related parts and acces:											
2	PMB-1	PMB-1		0,072	10			TME	0,072 €	2	0,145
1	SK96/84/SA	SK96/84SA		2,360	1			TME	2,360 €	1	2,360
2	B3X5/BN661	B3X5/BN661		0,015	100			TME	0,015 €	2	0,029
2	M3X5/D7985	M3X5/D7985		0,012	100			TME	0,012 €	2	0,024
5	M3X8/D7985B	M3X8/D7985B		0,018	100			TME	0,018 €	5	0,089
3	B3/BN789	B3/BN789		0,010	100			TME	0,010 €	3	0,030
2	522.725	ZCT-6.3A		0,152	10			TME	0,152 €	2	0,304

#	Qty	Part name	Package	Reference designator	Code	Farnell / Element14			Digi-Key			Mouser			RS Components			
						Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Code	Part Number	Unit price €	MOQ
	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	106-5854	LRS-150F-48	21,730	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

- 1 PCB 2-layer 180 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.

#	TME					Price calculation for 1 set					
	Qty	Part name	Code / Part Number	Unit price €	MOQ	THT	SMD	Best Supplier	Lowest unit price €	Order Qty	Line Cost €
1	LRS-150F-48	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	
											18,89 €
Custom made componer											
1	PCB						ALLPCB	8,829 €	1	8,829	
											8,83 €
Total											93,15 €