

EEZ DIB DCP405 BOM (r2B5, 2019-07-23)
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	3	4n7/100V	1206	C1, C3, C4	2812433	885012207120	0,069	10	1276-2524-1-ND	0,059	10	710-885012207120	0,033	10
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
3	1	EEEFK1J101P	Ø10mm, low ESR	C11, C16	9696040	EEEFK1J101P	1,020	1	PCE3819CT-ND	0,780	1	667-EEE- FK1J101P	0,690	1
4	5	470p	0805	C12, C19, C43, C47, C59	1759217	MC0805N471J500 CT	0,061	10	732-7837-1-ND	0,059	10	710-885012007038	0,056	10
5	1	EEEFK1H470P	Ø8mm, low ESR	C13	9695931	EEEFK1H470P	0,419	1	PCE3815CT-ND	0,590	1	667-EEE- FK1H470P	0,524	1
6	1	18p	C0G, 0603	C16	2896373	VJ0603A180JXAC W1BC	0,016	10	1276-1089-1-ND	0,048	10	80-C0603C180J5G7 867	0,023	10
7	1	120p	C0G, 0805	C17	1759204	MC0805N121J500 CT	0,061	10	311-1112-6-ND	0,093	10	603-CC805JRNPO9B N121	0,065	10
8	5	4n7	C0G, 0805	C18, C71, C72, C73, C74	1828942	GRM2165C1H472J A01D	0,184	10	732-12255-1-ND	0,162	10	810-C2012C0G1H47 2J-1	0,072	10
9	2	HHXC630ARA220MHA0 G	Ø8mm, low ESR	C2, C89	-	-	-	-	-	-	-	661- HHXC630A220M HA0G	0,812	1
10	4	4u7	1206	C20, C21, C28, C62	1907356	C3216X7R1E475K 160AC	0,240	5	1276-2970-1-ND	0,199	10	963- EMK316B7475M L-T	0,129	10
11	2	2u2	1206, 50V	C22, C23	-	-	-	-	1276-2723-1-ND	0,132	10	80-C1206C225M5R ECLR	0,106	10
12	1	330p	C0G, 0805	C25	1414686	C0805C331J5GAC TU	0,054	10	1276-1189-1-ND	0,049	10	80-C0805C331J5G	0,036	10
13	2	22u	1210, 25V	C26, C27	2320935	MC1210X226K250 CT	1,490	1	1276-3373-1-ND	0,369	10	603- CC121KKX7R8B B226	0,777	10
14	1	18p	C0G, 0603	C30	2896373	VJ0603A180JXAC W1BC	0,016	10	1276-1089-1-ND	0,048	10	80-C0603C180J5G7 867	0,023	10
15	6	10n	0805	C34, C48, C53, C70, C86, C95	2896555	VJ0805Y103JXXP W1BC	0,065	10	490-7194-1-ND	0,017	10	710-885012207122	0,036	10
16	2	47p	C0G, 0805	C41, C46	2896511	VJ0805A470GXAC W1BC	0,052	10	1276-1156-1-ND	0,052	10	80-C0805C470J5G	0,036	10
17	3	2n2	0805	C42, C44, C87	2896572	VJ0805Y222KXAC W1BC	0,028	10	720-1604-1-ND	0,063	10	77- VJ0805Y222KXB AC	0,032	50
18	1	220p	C0G, 0805	C45	2896497	VJ0805A221JXAC W1BC	0,044	10	732-7854-1-ND	0,053	10	603- CC805JRNPO9B N221	0,065	10
19	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

#	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	3	4n7/100V	723-6394	GRM219R72A4 72KA01D	0,029	100	08051C472KAT2A	0,025	100		3	TME	0,025 €	3	0,074
2	2	10u	103-4163	UMK316BBJ106 KL-T	0,236	20	CL31A106KBHNNNE	0,546	10		2	Digikey	0,184 €	2	0,368
3	1	EEEFK1J101P	708-3623	EEEFK1J101P	0,676	5	EEEFK1J101P	0,321	5		1	TME	0,321 €	1	0,321
4	5	470p	378-700	0805CG471J9B B	0,040	25	CC0805JRNPO9BN47 1	0,024	100		5	TME	0,024 €	5	0,121
5	1	EEEFK1H470P	537-0590	EEEFK1H470P	0,510	5	EEEFK1H470P	0,183	5		1	TME	0,183 €	1	0,183
6	1	18p	147-415	C0603C180J5G ACTU	0,032	50	CL10C180JB8NNNC	0,015	100		1	TME	0,015 €	1	0,015
7	1	120p	788-0471	VJ0805D121KX PAJ	0,304	10	CL21C121JBANNNC	0,033	100		1	TME	0,033 €	1	0,033
8	5	4n7	741-4529	C2012C0G1H47 2J060AA	0,056	100	GRM2165C1H472JA0 1D	0,021	100		5	TME	0,021 €	5	0,105
9	2	HHXC630ARA220MHA0 G	-				-				2	Mouser	0,812 €	2	1,624
10	4	4u7	691-1221	C1206C475K3R ACTU	0,232	25	GCM31CR71E475KA5 5L	0,381	10		4	Mouser	0,129 €	4	0,516
11	2	2u2	184-3509	UMK316B7225K LHT	0,151	10	CL31B225KBHNNNE	0,029	50		2	TME	0,029 €	2	0,057
12	1	330p	176-3198	0805N331J500C T	0,037	200	CL21C331JBANNNC	0,029	100		1	TME	0,029 €	1	0,029
13	2	22u	766-1182	CL32A226KAJN NNE	0,343	10	CL32A226KAJNNNE	0,158	10		2	TME	0,158 €	2	0,316
14	1	18p	147-415	C0603C180J5G ACTU	0,032	50	CL10C180JB8NNNC	0,015	100		1	TME	0,015 €	1	0,015
15	6	10n	464-6672	08055C103KAT 2A	0,026	50	CC0805KRX7R9103	0,027	100		6	Digikey	0,017 €	6	0,102
16	2	47p	264-4270	C0805C470J5G ACTU	0,069	25	CC0805JRNPO9470	0,038	100		2	Mouser	0,036 €	2	0,072
17	3	2n2	264-4359	C0805C222K5R ACTU	0,031	25	VJ0805Y222KXACW1 BC	0,020	100		3	TME	0,020 €	3	0,059
18	1	220p	723-6335	GRM2165C2A2 21JA01D	0,059	100	CC0805JRNPO9221	0,015	100		1	TME	0,015 €	1	0,015
19	2	4u7/100V	-				-				2	Mouser	0,629 €	2	1,258

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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
20	6	1u	0805	C52, C55, C65, C66, C76, C78	2896566	VJ0805Y105KXXT W1BC	0,084	5		587-1283-1-ND	0,090	10	603-CC805MKX7R7B B105	0,062	10
21	3	1n	0805	C54, C83, C85	2896470	VJ0805A102JXAC W1BC	0,044	10		732-7858-1-ND	0,055	10	710-885012007040	0,052	10
22	1	4u7 tant.	1206	C64	2321209	T491A475K006AT	0,372	1		399-9717-1-ND	0,270	10	80-T491A475K006	0,265	10
23	4	3n3	0805	C69, C70, C73, C74	2896578	VJ0805Y332KXAC W1BC	0,025	10		1276-1260-1-ND	0,039	10	80-C0805C332K5R	0,024	10
24	1	1u/100V	1206	C7	2579026	C1206X105K1RAC AUTO	0,635	5		311-1948-6-ND	0,271	10	810-C3216X7R2A105 M	0,227	10
25	2	470n	0805	C8, C88	2627486	MC0805F474Z500 CT	0,187	10		1276-6482-1-ND	0,082	10	603-CC805KKX7R9B B474	0,107	10
26	30	100n	0603	C9, C24, C29, C31, C32, C33, C35, C36, C37, C38, C39, C40, C49, C50, C51, C56, C57, C58, C60, C61, C63, C67, C68, C69, C75, C77, C79, C80, C82, C84	2522597	C0603C104K4RAC 7081	0,011	10		490-4774-1-ND	0,029	100	80-C0603C104M4R	0,007	100
27	2	10n/200V	1206	C90, C94	2812560	885342207005	0,078	5		311-4491-1-ND	0,150	10	603-C1206KRX7RAB B103	0,129	10
28	13	BAS316	SOD-323	D1, D3, D8, D9, D11, D12, D13, D15, D16, D17, D18, D19, D21	8734275	BAS316,115	0,193	5		1727-7370-1-ND	0,120	1	771-BAS316-T/R	0,179	1
29	1	SK55	SMB	D14	1299292	SK56C	0,608	1		SK55L-TPMSCT-ND	0,430	1	833-SK56A-LTP	0,489	1
30	1	STPS15H100	DPAK	D2	2344052	STPS15H100CB-TR	1,010	1		497-11400-5-ND	1,070	1	511-STPS15H100CB-TR	1,050	1
31	1	SK10100D1-DIO	DPAK	D20	-					SBRT10U60D1-13DICT-ND	0,810	1	621-SBRT10U60D1Q -13	0,777	1
32	2	SKL16	SOD-123	D4, D5	2673070	RB160MM-60TR	0,282	5		RB160MM-60CT-ND	0,264	10	755-RB160MM-60TR	0,233	10
33	3	SKL14	SOD-123	D6, D7, D10	2760412	PMEG4010EGWX	0,204	5		1727-7335-1-ND	0,243	10	841-PMEG4010EGW X	0,188	10
34	2	ZH32	ZH32	F1, F2	-					-			-		
35	3	BLM18AG102SH1D	0603	FB1, FB2, FB3	1515671	BLM18AG102SN1 D	0,053	10		490-7809-1-ND	0,081	10	81-BLM18AG102SH 1D	0,063	10
36	1	LTC3864EMSE#PBF	TSSOP-12	IC1	-					LTC3864EMSE# PBF-ND	4,440	1	584-LTC3864EMSE# PBF	4,360	1
37	1	MC33272ADR2G	SOIC-8	IC10	2531389	MC33272ADR2G	0,854	1		MC33272ADR2G OSCT-ND	0,910	1	863-MC33272ADR2G	0,865	1

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	Qty	Part name	Code	Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ			Best Supplier	Lowest unit price €	Order Qty	Line Cost €
20	6	1u	451-5770	C0805C105K4R ACTU	0,028	25	CL21B105KOFNNNE	0,010	100		6	TME	0,010 €	6	0,062
21	3	1n	723-6408	GRM2195C1H1 02JA01D	0,031	100	CL21C102JBCNNNC	0,026	100		3	TME	0,026 €	3	0,077
22	1	4u7 tant.	538-2335	T491A475K006 AT	0,290	10	T491A475K006AT	0,099	10		1	TME	0,019 €	1	0,019
23	4	3n3	237-7009	GRM216R71H3 32KA01D	0,060	50	VJ0805Y333KXACW1 BC	0,023	100		4	TME	0,023 €	4	0,092
24	1	1u/100V	136-4396	12061C105KAT 2A	0,294	50	-				1	Mouser	0,227 €	1	0,227
25	2	470n	378-700	0805CG471J9B B	0,040	25	C0805C474K4RAC	0,021	100		2	TME	0,021 €	2	0,042
26	30	100n	393-6952	VJ0603Y104KXJ AT	0,069	25	CL10B104KA8NNNC	0,098	100		30	Mouser	0,007 €	30	0,210
27	2	10n/200V	669-8647	CC1206KRX7R ABB103	0,128	25	VJ1206Y103KXCTW1 BC	0,019	100		2	TME	0,019 €	2	0,038
28	13	BAS316	397-2914	BAS316,115	0,122	50	BAS316,115	0,026	25		13	TME	0,026 €	13	0,344
29	1	SK55	743-5961	SK56B R4	0,443	10	SK55-DIO	0,119	5		1	TME	0,119 €	1	0,119
30	1	STPS15H100	795-9075	STPS15H100CB -TR	1,088	5	-				1	Farnell	1,010 €	1	1,010
31	1	SK10100D1-DIO	-				SK10100D1-DIO	0,310	3		1	TME	0,310 €	1	0,310
32	2	SKL16	124-6774	RB160MM-60TR	0,230	40	SKL16-DIO	0,105	5		2	TME	0,105 €	2	0,210
33	3	SKL14	153-0632	PMEG4010EGW X	0,078	100	SKL14-DIO	0,053	10		3	TME	0,053 €	3	0,158
34	2	ZH32	-				ZH32	0,228	5	2		TME	0,228 €	2	0,456
35	3	BLM18AG102SH1D	839-0803	BLM18AG102S H1D	0,043	100	BLM18AG102SH1D	0,016	50		3	TME	0,016 €	3	0,047
36	1	LTC3864EMSE#PBF	-				-				1	Mouser	4,360 €	1	4,360
37	1	MC33272ADR2G	773-7778	MC33272ADR2 G	0,865	1	MC33272ADR2G	0,570	1		1	TME	0,570 €	1	0,570

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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
38	1	LTC2050HVCS8#PBF	SOIC-8	IC11	-				LTC2050HVCS8 #PBF-ND	2,760	1	584- LTC2050HVCS8 #PBF	2,710	1
39	1	74AUP1G74DC.125	VSSOP-8	IC12	2445023	74AUP1G74DC, 12 5	0,369	1	1727-6029-1-ND	0,430	1	771- AUP1GDC125	0,419	1
40	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
41	1	TC77-5.0MCTTR	SOT23-5	IC14	-				TC77- 5.0MCTTRCT- ND	0,890	1	579-TC77- 5.0MCTTR	0,882	1
42	1	REF5025AIDR	SOIC-8	IC15	1439622	REF5025AIDG4	3,440	1	296-39165-1-ND	2,660	1	595- REF5025AIDR	2,540	1
43	1	DAC8552IDGKR	VSSOP-8	IC16	-				296-46082-1-ND	6,430	1	595- DAC8552IDGKR	6,150	1
44	1	SN74LVC1G3157DCKR	SC-70	IC17	1470911	SN74LVC1G3157D CKR	0,274	5	296-14909-1-ND	0,330	1	595- SN74LVC1G315 7DCK	0,323	1
45	1	ADS1120IPWR	TSSOP-16	IC18	-				296-37280-1-ND	6,030	1	595- ADS1120IPWR	5,760	1
46	1	LM339D	SOIC-14	IC19	2293778	LM339D	0,264	5	296-1013-1-ND	0,320	1	595-LM339DR	0,306	1
47	1	TPS54060DGQ	MSOP-10	IC2	1710820	TPS54060DGQ .	3,030	1	296-37148-1-ND	2,630	1	595- TPS54060DGQR	2,490	1
48	1	MAX9141ESA	SOIC-8	IC20	2515004	MAX9141ESA+	1,230	1	MAX9141ESA+- ND	1,090	1	700- MAX9141ESA	0,934	1
49	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
50	1	SN74LVC1G139DCUR	VSSOP-8	IC4	2147991	SN74LVC1G139D CUR	0,561	1	296-18203-1-ND	0,510	1	595- SN74LVC1G139 DCUR	0,489	1
51	1	MC78L05	SOIC-8	IC5	2534293	MC78L05ABDR2G	0,324	1	MC78L05ACDR2 GOSCT-ND	0,420	1	863- MC78L05ACDR2 G	0,306	1
52	1	MC79L05	SOIC-8	IC6	2534292	MC79L05ACDR2G	0,310	1	MC79L05ABDG OS-ND	0,350	1	863- MC79L05ACDR2 G	0,358	1
53	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
54	1	OPA2196ID	SOIC-8	IC9	-				296-48159-1-ND	1,980	1	595- OPA2196IDR	1,880	1
55	1	4907	THT, PCB terminal; 4.8mm	J1	-				36-4907-ND	0,260	1	534-4907	0,257	1
56	1	FCR7350R	THT, binding post 4 mm; red	J2	1854508	FCR7350R	6,170	1	-			-		
57	1	FCR7350B	THT, binding post 4 mm; black	J3	1854507	FCR7350B	5,750	1	-			-		
58	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
59	1	RN112-4-02-0M7	RN112	L1					817-2100-ND	1,560	1	631-RN112-4-02- 0M7	1,400	1
60	1	125CDMCCDS-330MC	Power inductor	L2	2211631	7443551331	3,930	1	308-2568-1-ND	1,510	1	851- 125CDMCCDS3 30MC	1,590	1

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	Qty	Part name	Code	Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ			Best Supplier	Lowest unit price €	Order Qty	Line Cost €
38	1	LTC2050HVCS8#PBF	822-6746	LTC2050HVCS8 #PBF	2,155	2	-	-	-		1	RS	2,155 €	1	2,155
39	1	74AUP1G74DC.125	813-9254	74AUP1G74DC, 125	0,408	20	74AUP1G74DC.125	0,323	3		1	TME	0,323 €	1	0,323
40	1	MCP23S17-E/SS	669-6452	MCP23S17- E/SS	1,188	5	MCP23S17-E/SS	1,230	1		1	Farnell	1,160 €	1	1,160
41	1	TC77-5.0MCTTR	768-1549	TC77- 5.0MCTTR	0,514	5	TC77-5.0MCTTR	0,970	1		1	RS	0,514 €	1	0,514
42	1	REF5025AIDR	404-304	REF5025AID	3,030	1	-	-	-		1	Mouser	2,540 €	1	2,540
43	1	DAC8552IDGKR	-	-	-	-	-	-	-		1	Mouser	6,150 €	1	6,150
44	1	SN74LVC1G3157DCKR	628-2769	SN74LVC1G315 7DCKR	0,237	10	SN74LVC1G3157DCK R	0,107	5		1	TME	0,107 €	1	0,107
45	1	ADS1120IPWR	-	-	-	-	-	-	-		1	Mouser	5,760 €	1	5,760
46	1	LM339D	689-9718	LM339DR2G	0,340	5	LM339DG	0,184	3		1	TME	0,184 €	1	0,184
47	1	TPS54060DGQ	698-9079	TPS54060DGQ	2,680	1	-	-	-		1	Mouser	2,490 €	1	2,490
48	1	MAX9141ESA	799-8282	MAX9141ESA+	1,360	5	-	-	-		1	Mouser	0,934 €	1	0,934
49	2	Si8641BB-B-IS1	823-2126	Si8641BB-B-IS1	2,190	5	-	-	-		2	Mouser	2,060 €	2	4,120
50	1	SN74LVC1G139DCUR	-	-	-	-	-	-	-		1	Mouser	0,489 €	1	0,489
51	1	MC78L05	516-6149	MC78L05ACDG	0,150	1	MC78L05ACDG	0,228	3		1	RS	0,150 €	1	0,150
52	1	MC79L05	688-9313	MC79L05ACDR 2G	0,110	1	MC79L05ACDG	0,232	3		1	RS	0,110 €	1	0,110
53	1	M24C32-WMN6P	686-2453	M24C32- WMN6P	0,180	25	M24C32-WMN6P	0,165	3		1	TME	0,165 €	1	0,165
54	1	OPA2196ID	-	-	-	-	-	-	-		1	Mouser	1,880 €	1	1,880
55	1	4907	-	-	-	-	61-1537-11/0031	0,049	10		1	TME	0,049 €	1	0,049
56	1	FCR7350R	144-1450	SWEB 8094 Au / RT	4,640	1	FCR7350R	2,290	1		1	TME	2,290 €	1	2,290
57	1	FCR7350B	144-1451	SWEB 8094 Au / SW	4,640	1	FCR7350B	2,290	1		1	TME	2,290 €	1	2,290
58	1	G6K-2F-5DC	365-0361	G6K-2F-Y 5DC	5,940	1	G6K-2F-5DC	1,850	1		1	TME	1,850 €	1	1,850
59	1	RN112-4-02-0M7	-	-	-	-	-	-	-		1	Mouser	1,400 €	1	1,400
60	1	125CDMCCDS-330MC	-	-	-	-	-	-	-		1	Digikey	1,510 €	1	1,510

EEZ DIB DCP405 BOM (r2B5, 2019-07-23)
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#	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
61	1	VLS6045AF-3R3N	COILCRAFT_HPI0630	L3	1741325	IHLP2020CZER3R3M11	1,940	5	445-180834-1-ND	0,510	1	810-VLS6045AF-3R3N	0,510	1
62	1	WP934MD/2LID	THT, dual (red/red) 3 mm LED	LED1	-				754-2000-ND	0,920	1	604-WP934MD2LID	1,030	1
63	1	WP42WUM/EGW	THT, dual (green/red) 3 mm LED	LED2	-				754-1718-ND	0,930	1	604-WP42WUM/EGW	0,926	1
64	1	WP934MD/LYLID	THT, dual (yellow/red) 3 mm LED	LED3	-				754-2008-ND	0,990	1	604-WP934MDLYLID	0,795	1
65	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
66	1	BSS205NH6327XTSA1	SOT-23	Q10	2480648	BSS205NH6327XTSA1	0,257	5	BSS205NH6327XTSA1CT-ND	0,274	10	BSS205NH6327XTSA1	0,236	10
67	2	PSMN0R9-25YLC	SOT-669	Q11, Q12	1895396	PSMN0R9-25YLC,115	1,300	5	1727-5292-1-ND	1,270	1	771-PSMN0R925YLC115	1,320	1
68	1	BSS84P	SOT-23	Q13	1056526	BSS84PH6327XTSA2	0,224	5	BSS84PH6433XTMA1CT-ND	0,314	10	726-BSS84PH6327XTSA2	0,196	10
69	1	BTA26-600	THT, TOP-3	Q14	1057286	BTA26-600BRG	3,820	1	497-2427-5-ND	3,510	1	511-BTA26-600B	3,440	1
70	1	FMMT493TA	SOT-23	Q15	2061448	FMMT493ATA	0,348	5	FMMT493CT-ND	0,420	1	522-FMMT493TA	0,376	1
71	4	2N7002	SOT-23	Q16, Q17, Q18, Q23	1713825	2N7002K-7	0,148	5	T2N7002AKLMCT-ND	0,126	10	757-T2N7002AKLM	0,113	10
72	3	MMBT5551	SOT-23	Q19, Q21, Q22	1459109	MMBT5551LT1G	0,154	5	MMBT5551LT1GOSCT-ND	0,180	1	863-MMBT5551LT1G	0,170	1
73	3	MMBT5401	SOT-23	Q2, Q6, Q20	2533333	MMBT5401LT3G	0,181	5	MMBT5401-FDICT-ND	0,154	10	621-MMBT5401-F	0,135	10
74	2	D45H11	THT, TO-220	Q3, Q4	9557164	D45H11G	0,865	1	497-2578-5-ND	0,980	1	863-D45H11G	0,742	1
75	1	BC856C	SOT-23	Q5	2453815	BC856CMTF	0,138	5	BC856CMTFCT-ND	0,154	10	512-BC856CMTF	0,118	10
76	1	STP10P6F6	THT, TO-220	Q7	2807209	STP10P6F6	1,230	1	497-13440-ND	1,530	1	511-STP10P6F6	1,290	1
77	1	BCP56	SOT-223	Q8	2628083	BCP56TX	0,263	5	BCP5616QTADICT-ND	0,350	1	621-BCP5616QTA	0,297	1
78	1	NZT605	SOT-223	Q9	2825127	NZT605	0,334	5	NZT605CT-ND	0,380	1	512-NZT605	0,341	1
79	2	330K	0805	R11, R21	2447637	MCWR08X3303FTL	0,010	10	A126361CT-ND	0,046	10	652-CR0805FX-3303ELF	0,013	10
80	1	4K7	0805	R13	2861530	CRGCQ0805F4K7	0,012	10	311-4.70KCRCT-ND	0,040	10	603-RC0805FR-074K7L	0,027	10
81	11	2K2	0805	R18, R30, R34, R43, R60, R76, R77, R78, R79, R91, R107	9237534	RC0805FR-072K2L	0,037	10	311-2.20KCRCT-ND	0,039	10	603-RC0805FR-072K2L	0,026	10
82	26	10K	0805	R2, R8, R10, R19, R23, R24, R25, R26, R31, R41, R47, R48, R54, R62, R63, R66, R69, R73, R81, R87, R93, R96, R98, R100, R108, R109	9237755	RC0805FR-0710KL	0,022	10	311-10.0KCRCT-ND	0,039	10	603-RC0805FR-0710KL	0,014	10
83	1	86K6	0805	R22	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 €
61	1	VLS6045AF-3R3N	-				HPI0630-3R3	0,335	1		1	TME	0,335 €	1	0,335
62	1	WP934MD/2LID	-				-			1		Digikey	0,920 €	1	0,920
63	1	WP42WUM/EGW	-				L-42WUM/1EGWT	0,501	1	1		TME	0,501 €	1	0,501
64	1	WP934MD/LYLID	-				-			1		Mouser	0,795 €	1	0,795
65	1	SUD19P06-60	180-7995	SUD19P06-60-GE3	0,960	10	SUD19P06-60-GE3	0,740	1		1	TME	0,740 €	1	0,740
66	1	BSS205NH6327XTSA1	892-2374	BSS205NH6327XTSA1	0,108	100	BSS205NH6327XTSA1	0,097	10		1	TME	0,097 €	1	0,097
67	2	PSMN0R9-25YLC	798-2895	PSMN0R9-25YLC,115	1,537	3	PSMN0R9-25YLC.115	0,709	2		2	TME	0,709 €	2	1,418
68	1	BSS84P	-				BSS84P	0,060	10		1	TME	0,060 €	1	0,060
69	1	BTA26-600	714-0515	BTA26-600BRG	3,710	1	BTA26-600BRG	2,180	1	1		TME	2,180 €	1	2,180
70	1	FMMT493TA	274-885	FMMT493TA	0,302	10	FMMT493TA	0,125	10		1	TME	0,125 €	1	0,125
71	4	2N7002	671-0312	2N7002	1,250	20	2N7002LT1G	0,019	25		4	TME	0,019 €	4	0,077
72	3	MMBT5551	545-0400	MMBT5551LT1G	0,146	10	MMBT5551	0,024	25		3	TME	0,024 €	3	0,073
73	3	MMBT5401	739-0546	MMBT5401	0,157	10	MMBT5401	0,024	25		3	TME	0,024 €	3	0,071
74	2	D45H11	545-0179	D45H11G	0,740	1	D45H11	0,570	1	2		TME	0,570 €	2	1,140
75	1	BC856C	-				BC856C-DIO	0,027	20		1	TME	0,027 €	1	0,027
76	1	STP10P6F6	-				STP10P6F6	0,640	1	1		TME	0,640 €	1	0,640
77	1	BCP56	773-7633	BCP56-16T3G	0,138	10	BCP56-16T1G	0,153	5		1	RS	0,138 €	1	0,138
78	1	NZT605	806-1268	NZT605	0,284	25	NZT605	0,222	5		1	TME	0,222 €	1	0,222
79	2	330K	679-1272	CRCW0805330KFKEA	0,038	50	0805S8F3303T5E	0,015	100		2	Farnell	0,010 €	2	0,020
80	1	4K7	223-0528	CRG0805F4K7	0,023	50	0805S8F4701T5E	0,023	100		1	Farnell	0,012 €	1	0,012
81	11	2K2	679-1207	CRCW08052K20FKEA	0,039	50	0805S8F2201T5E	0,022	100		11	TME	0,022 €	11	0,246
82	26	10K	125-1189	CRG0805F10K	0,002	100	RC0805FR-0710K	0,022	100		26	RS	0,002 €	26	0,052
83	1	86K6	-				CRCW080586K6FKTA BC	0,025	100		1	TME	0,025 €	1	0,025

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#	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
84	2	0R1/2-3W	2512	R27, R29	2828391	MCLRP12JTWSR100	0,240	10		696-1680-1-ND	0,465	10	71-RCWE2512R100FKEA	0,418	10
85	1	2R2/2W	2512	R28	1265193	35202R2JT	0,143	10		CRM2512-JW-2R2ELFCT-ND	0,342	10	279-35222R2JT	0,296	10
86	1	R010/2W	2512	R3	1435947RL	CRA2512-FZ-R010ELF	0,599	10		KRL32C.010CT-ND	0,580	1	652-CRA2512FZR010ELF	0,334	10
87	6	470R	0805	R35, R71, R74, R75, R83, R114	1099798	WCR0805-470RFI	0,019	10		311-470CRCT-ND	0,039	10	71-CRCW0805470RFKEB	0,041	10
88	4	220R	0805	R36, R42, R46, R55	1099795	WCR0805-220RFI	0,019	10		RMCF0805FT220RCT-ND	0,020	10	603-RC0805FR-13220RL	0,020	10
89	3	1K	0805	R39, R89, R106	1099800	WCR0805-1K0FI	0,019	10		RC0805FR-071KL	0,039	10	603-RC0805FR-071KL	0,015	10
90	8	47K	0805	R4, R15, R59, R65, R85, R103, R104, R112	2447664	MCWR08X4702FTL	0,009	10		RHM47KKCT-ND	0,036	10	603-RC0805FR-0747KL	0,014	10
91	2	7K5 0.1%	0805	R40, R49	1575887	MCTC0525B7501T5E	0,203	10		YAG1974CT-ND	0,265	10	279-CPF0805B7K5E	0,249	10
92	2	100K 0.1%	0805	R44, R50	1653285RL	RR1220P-104-B-T5	0,205	10		P100KDACT-ND	0,268	10	284-APC0805B100KN	0,093	10
93	2	24K 0.1%	0805	R45, R51	1670246	ERA6AEB243V	0,270	10		P24KDACT-ND	0,268	10	279-CPF0805B24KE	0,157	1
94	3	1R	0805	R5, R38, R110	2447598	MCWR08W1R00FTL	0,012	10		311-1.00CRCT-ND	0,071	10	603-RC0805FR-131RL	0,020	10
86	1	15R	1206	R52	2861939	CRGCQ1206J15R	0,140	10		RNCP1206FTD15R0CT-ND	0,081	10	279-CRGH1206F15R	0,031	10
96	1	0R	0805	R53	2747563	MCWR08X0000FTL	0,006	10		RMCF0805ZT0R00CT-ND	0,019	10	603-RC0805FR-070RL	0,023	10
97	2	39K 0.1%	0805	R57, R64	2337828	MCWF08R3902BTL	0,276	10		P20774CT-ND	0,268	10	279-CPF0805B39KE	0,122	10
98	2	820R 0.1%	0805	R58, R68	2338010	MCWF08R8200BTL	0,276	10		YAG1979CT-ND	0,262	10	603-RT0805BRD07820RL	0,196	10
99	1	100R	0805	R6	2447552	MCWR08X1000FTL	0,094	10		311-100CRCT-ND	0,039	10	RC0805FR-07100RL	0,014	10
100	1	0R75	1206	R61	2805273	RLP73K2AR75JTD	0,095	10		311-.75SCT-ND	0,261	10	603-RL0805FR-070R75L	0,188	10
101	1	0R010	2512, low TCR	R67	2808330	GMR100HTBFA10L0	1,130	5		511-1686-1-ND	1,350	1	755-GMR100HTBFA10L0	1,080	1
102	8	10R	1206	R7, R14, R16, R17, R32, R33, R37, R80	9236643	RC1206FR-0710RL	0,050	10		311-10.0CRCT-ND	0,071	10	603-RC1206FR-0710RL	0,034	10
103	1	270R	0805	R72	2073716	MCMR08X271 JTL	0,009	10		RMCF0805FT270RCT-ND	0,025	10	652-CR0805FX-2700ELF	0,013	10
104	3	750R	0805	R82, R105, R111	2447719	MCWR08X7500FTL	0,010	10		A126385CT-ND	0,046	10	71-CRCW0805750RFKEB	0,052	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 €
84	2	0R1/2-3W	693-4394	CRA2512-FZ-R100ELF	0,644	5	LRP12FTDRR100	0,155	10		2	TME	0,155 €	2	0,310
85	1	2R2/2W	871-1023	35222R2JT	0,449	10	WF25P2R2JTL	0,072	10		1	TME	0,072 €	1	0,072
86	1	R010/2W	693-4381	CRA2512-FZ-R010ELF	0,508	5	LRP12FTWRR010	0,147	10		1	TME	0,147 €	1	0,147
87	6	470R	223-0376	CRG0805F470R	0,021	50	RC0805FR-07470R	0,022	100		6	Farnell	0,019 €	6	0,113
88	4	220R	223-0332	CRG0805F220R	0,018	50	0805S8F2200T5E	0,022	100		4	RS	0,018 €	4	0,072
89	3	1K	223-0427	CRG0805F1K0	0,017	50	RC0805FR-071K	0,022	100		3	Mouser	0,015 €	3	0,045
90	8	47K	679-1434	CRCW080547K0FKEA	0,036	50	RC0805FR-0747K	0,022	100		8	Farnell	0,009 €	8	0,075
91	2	7K5 0.1%	-				AR05BTCW7501	0,105	10		2	TME	0,105 €	2	0,210
92	2	100K 0.1%	-				AR05BTCW1003	0,105	10		2	Mouser	0,093 €	2	0,186
93	2	24K 0.1%	-				AR05BTCW2402	0,105	10		2	TME	0,105 €	2	0,210
94	3	1R	740-9151	CR0805-J/-1R0ELF	0,027	50	0805S8F100KT5E	0,032	100		3	Farnell	0,012 €	3	0,035
86	1	15R	223-2013	CRG1206F15R	0,008	50	1206S4J0150T5E	0,012	100		1	RS	0,008 €	1	0,008
96	1	0R	-				CQ05S8F0000T5E	0,028	100		1	Farnell	0,006 €	1	0,006
97	2	39K 0.1%	866-7418	CPF-A-0805B39KE1	0,343	10	AR05BTCW3902	0,105	10		2	TME	0,105 €	2	0,211
98	2	820R 0.1%	866-7484	CPF-A-0805B820RE1	0,265	10	AR05BTCW8200	0,105	10		2	TME	0,105 €	2	0,211
99	1	100R	679-0807	CRCW0805100RFKEA	0,043	50	0805S8F1000T5E	0,015	100		1	Mouser	0,014 €	1	0,014
100	1	0R75	-				-				1	Farnell	0,095 €	1	0,095
101	1	0R010	-				-				1	Mouser	1,080 €	1	1,080
102	8	10R	740-9085	CR1206-FX-10R0ELF	0,036	50	1206S4J0100T5E	0,012	100		8	TME	0,012 €	8	0,100
103	1	270R	223-0348	CRG0805F270R	0,025	50	0805S8F2700T5E	0,023	100		1	Farnell	0,009 €	1	0,009
104	3	750R	215-2298	RN73C2A750RB	0,666	5	0805S8F7500T5E	0,015	100		3	Farnell	0,010 €	3	0,029

#	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
105	2	5K1	0805	R84, R97	2447692	MCWR08X5101FT L	0,010	10	RMCF0805FT5K 10CT-ND	0,024	10	652-CR0805FX- 5101ELF	0,013	10
106	2	5K6	0805	R86, R99	2447693	MCWR08X5601FT L	0,010	10	RC0805FR- 075K6L	0,037	10	RC0805FR- 075K6L	0,027	10
107	4	330R	0805	R88, R92, R102, R113	2695037	MCWR08X331 JTL	0,009	10	A129743CT-ND	0,045	10	652-CR0805FX- 3300ELF	0,013	10
108	7	100K	0805	R9, R12, R20, R56, R70, R94, R115	2447551	MCWR08X1003FT L	0,010	10	RMCF0805FT10 0KCT-ND	0,024	10	71- CRCW0805100K FKEAC	0,040	10
109	1	AC01000001007JA100	R-EU_0411/15	R90	1735022	AC01000001007JA 100	0,441	1	PPC1W.10CT- ND	0,500	1	594- AC01W0R100J	0,349	1
110	1	6R2	0805	R95	2447714	MCWR08W6R20F TL	0,012	10	311-6.20CRCT- ND	0,070	10	603-RC0805FR- 076R2L	0,020	10
111	2	DR1206-33R-4/8	R_ARRAY4	RN1, RN2	1770128	CAY16-330J4LF	0,069	10	CAY16- 330J4LFCT-ND	0,090	1	652-CAY16- 330J4LF	0,085	1
112	1	SRF0703-821M	0703	TR1	1852832	SRF0703-821M	0,827	1	SRF0703- 821MCT-ND	0,900	1	652-SRF0703- 821M	0,681	1
113	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
114	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
115	1	1844249	THT; Pluggable Terminal Blocks; 3.5mm; 5-pin	X3	2776334	MC 1,5/ 5-G-3,5	1,830	1	277-5789-ND	2,070	1	651-1844249	2,030	1
116	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
117	1	SMAJ51A	SMA	ZD1	2677667	SMAJ51A	0,144	5	SMAJ51ALFCT- ND	0,370	1	652-SMAJ51A	0,463	1
118	1	SLVU2.8-TP	TVS, SOT-23	ZD2	2749173	SLVU2.8HTG	0,929	5	SLVU2.8- TPMSCT-ND	0,690	1	833-SLVU2.8-TP	0,664	1

Not installed														
1	N.C.	0805	C14											
1	N.C.	0805	C81		2896566	VJ0805Y105KXXT W1BC	0,084	5	587-1283-1-ND	0,090	10	603- CC805MKX7R7B B105	0,062	10
1	N.C.	ECAP2G/5	C91											
2	N.C.	0805	C92, C93											
1	4K7/2W	2512	R1		2081875	ASC2512-4K7FT4	0,195	10	A130729CT-ND	0,331	10	279- CRGP2512F4K7	0,180	10
1	N.C.	0805	R101		9237755	RC0805FR- 0710KL	0,022	10	311-10.0KCRCT- ND	0,039	10	603-RC0805FR- 0710KL	0,014	10
2			TP1, TP2											

Related parts and accessories														
2	PCB-MB-01	PCB bracket; polyamide	KK1, KK2	-					-			-		
2	B3X5/BN661	Screw; M3x5; countersunk; Phillips; A2 stainless steel												
1	SK96/84/SA	Heatsink 84 x 55 x 28 mm		-					-			-		

#	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 €
105	2	5K1	-				0805S8F5101T5E	0,015	100		2	Farnell	0,010 €	2	0,019
106	2	5K6	679-1572	CRCW08055K6 0FKEA	0,029	50	0805S8F5601T5E	0,023	100		2	Farnell	0,010 €	2	0,019
107	4	330R	223-0354	CRG0805F330R	0,040	50	0805S8F3300T5E	0,015	100		4	Farnell	0,009 €	4	0,038
108	7	100K	223-0691	CRG0805F100K	0,028	50	0805S8F1003T5E	0,015	100		7	Farnell	0,010 €	7	0,068
109	1	AC01000001007JA100	846-9836	AC01000001007 JA100	0,350	1	-			1		Mouser	0,349 €	1	0,349
110	1	6R2	-				RC0805JR-076R2	0,034	100		1	Farnell	0,012 €	1	0,012
111	2	DR1206-33R-4/8	522-5670	CAY16-330J4LF	0,004	50	DR1206-33R-4/8	0,009	100		2	RS	0,004 €	2	0,008
112	1	SRF0703-821M	-				-				1	Mouser	0,681 €	1	0,681
113	1	39-30-1020	510-9837	39-30-1020	0,352	5	MX-39-30-1020	0,339	5	1		TME	0,339 €	1	0,339
114	1	77317-104-28LF	-				-			1		Digikey	1,030 €	1	1,030
115	1	1844249	-				-			1		Farnell	1,830 €	1	1,830
116	1	DS1024-2*10R0	180-0986	SSW-110-02-T- D-RA	2,100	1	ZL263-20DG	0,335	2	1		TME	0,335 €	1	0,335
117	1	SMAJ51A	171-4238	SMAJ51A	0,320	25	SMAJ51A-LF	0,201	3		1	Farnell	0,144 €	1	0,144
118	1	SLVU2.8-TP	793-1942	SLVU2.8HTG	1,000	5	-				1	Mouser	0,664 €	1	0,664
										19	276	70,94 €			

Not installed															
1	N.C.									1		Farnell	0,000 €	1	0,000
1	N.C.	451-5770	C0805C105K4R ACTU	0,028	25		CL21B105K0FNNE	0,010	100		1	TME	0,010 €	1	0,010
1	N.C.									1		Farnell	0,000 €	1	0,000
2	N.C.									2		Farnell	0,000 €	2	0,000
1	4K7/2W	224-0424	35204K7JT	1,370	10		CRCW25124K70FKTH BC	0,113	10		1	TME	0,113 €	1	0,113
1	N.C.	125-1189	CRG0805F10K	0,002	100		RC0805FR-0710K	0,022	100		1	RS	0,002 €	1	0,002
2										2		Farnell	0,000 €	2	0,000

Related parts and acces:															
2	PCB-MB-01	-					PCB-MB-01	0,091	10			TME	0,091 €	2	0,182
2	B3X5/BN661						B3X5/BN661	0,015	100			TME	0,015 €	2	0,029
1	SK96/84/SA	-					SK96/84/SA	2,360	1			TME	2,360 €	1	2,360

#	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
5	M3X5/D7985	Screw; M3x5; cheese head; Phillips for heatsink, TO-220 parts and PCB brackets		-					-			-		
3	SMICA-TO220	Heat transfer pad: silicone; TO220; 0.4K/W												
3	IB-6	Insulating bushing TO-220 for Q3, Q4, Q7												
2	522.725	20 x 5 mm, 6.3A fuse; time lag; ceramic												
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

- 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.

#	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 €
5	M3X5/D7985	-					M3X5/D7985	0,012	100			TME	0,012 €	5	0,060
3	SMICA-TO220						SMICA-TO220	0,117	10			TME	0,117 €	3	0,350
3	IB-6						IB-6	0,050	10			TME	0,050 €	3	0,149
2	522.725						ZCT-6.3A	0,152	10			TME	0,152 €	2	0,304
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
19,34 €															
Custom made componer															
1	PCB											ALLPCB	8,829 €	1	8,829
8,83 €															
Total														99,11 €	