

EEZ DIB DCP405 BOM (r1B1, 2019-05-21)
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	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	6	10u	1210	C10, C16, C26, C28, C32, C33	2672214	GRT31CR61H106 KE01L	0,684	5	1276-6736-1-ND	0,184	10	810-C3216X7R1HK160AC	0,597	10
3	9	1u	0805	C11, C30, C53, C55, C63, C67, C76, C78, C81	2896566	VJ0805Y105KXXT W1BC	0,084	5	587-1283-1-ND	0,090	10	603-CC805MKX7R7B B105	0,062	10
4	2	470p	0805	C13, C19	1759217	MC0805N471J500 CT	0,061	10	732-7837-1-ND	0,059	10	710-885012007038	0,056	10
5	1	EEEFK1J101P	Ø10mm, low ESR	C14	9696040	EEEFK1J101P	1,020	1	PCE3819CT-ND	0,780	1	667-EEE-FK1J101P	0,690	1
6	1	EEEFK1H470P	Ø8mm, low ESR	C15	9695931	EEEFK1H470P	0,419	1	PCE3815CT-ND	0,590	1	667-EEE-FK1H470P	0,524	1
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	1	4n7	C0G, 0805	C18	1828942	GRM2165C1H472J A01D	0,184	10	732-12255-1-ND	0,162	10	810-C2012C0G1H472J-1	0,072	10
9	2	HHXC630ARA220MHA0 G	Ø8mm, low ESR	C2, C89	-	-	-	-	-	-	-	661-HHXC630A220M HA0G	0,812	1
10	2	4u7 tant.	1206	C22, C66	2321209	T491A475K006AT	0,372	1	399-9717-1-ND	0,270	10	80-T491A475K006	0,265	10
11	2	10u tant.	1206	C27, C34	1457412	T491A106K006AT	0,345	1	399-3683-1-ND	0,250	10	80-T491A106K006	0,245	10
12	8	10n	0805	C29, C31, C42, C49, C54, C72, C86, C95	2896555	VJ0805Y103JXXP W1BC	0,065	10	490-7194-1-ND	0,017	10	710-885012207122	0,036	10
13	2	47p	C0G, 0805	C41, C47	2896511	VJ0805A470GXAC W1BC	0,052	10	1276-1156-1-ND	0,052	10	80-C0805C470J5G	0,036	10
14	5	2n2	0805	C43, C44, C45, C48, C87	2896572	VJ0805Y222KXAC W1BC	0,028	10	720-1604-1-ND	0,063	10	77-VJ0805Y222KXB AC	0,032	50
15	1	220p	C0G, 0805	C46	2896497	VJ0805A221JXAC W1BC	0,044	10	732-7854-1-ND	0,053	10	603-CC805JRNPO9B N221	0,065	10
16	2	4u7/100V	1210	C5, C6	2211140	CGA6M3X7S2A47 5K200AB	0,967	50	587-5034-1-ND	0,813	10	810-CGA6M3X7S2A475K	0,629	100
17	4	1n	0805	C59, C60, C83, C85	2896470	VJ0805A102JXAC W1BC	0,044	10	732-7858-1-ND	0,055	10	710-885012007040	0,052	10
18	1	4u7	1206	C64	1907356	C3216X7R1E475K 160AC	0,240	5	1276-2970-1-ND	0,199	10	963-EMK316B7475M L-T	0,129	10
19	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
20	2	1u/100V	1206	C7, C40	2579026	C1206X105K1RAC AUTO	0,635	5	311-1948-6-ND	0,271	10	810-C3216X7R2A105 M	0,227	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	3	4n7/100V	723-6394	GRM219R72A4 72KA01D	0,029	100	08051C472KAT2A	0,025	100		3	TME	0,025 €	3	0,074
2	6	10u	103-4163	UMK316BBJ106 KL-T	0,236	20	CL31A106KBHNNNE	0,546	10		6	Digikey	0,184 €	6	1,104
3	9	1u	451-5770	C0805C105K4R ACTU	0,028	25	CL21B105KOFNNNE	0,010	100		9	TME	0,010 €	9	0,094
4	2	470p	378-700	0805CG471J9B B	0,040	25	CC0805JRNPO9BN47 1	0,024	100		2	TME	0,024 €	2	0,048
5	1	EEEFK1J101P	708-3623	EEEFK1J101P	0,676	5	EEEFK1J101P	0,321	5		1	TME	0,321 €	1	0,321
6	1	EEEFK1H470P	537-0590	EEEFK1H470P	0,510	5	EEEFK1H470P	0,183	5		1	TME	0,183 €	1	0,183
7	1	120p	788-0471	VJ0805D121KX PAJ	0,304	10	CL21C121JBANNNC	0,033	100		1	TME	0,033 €	1	0,033
8	1	4n7	741-4529	C2012C0G1H47 2J060AA	0,056	100	GRM2165C1H472JA0 1D	0,021	100		1	TME	0,021 €	1	0,021
9	2	HHXC630ARA220MHA0 G	-				-				2	Mouser	0,812 €	2	1,624
10	2	4u7 tant.	538-2335	T491A475K006 AT	0,290	10	T491A475K006AT	0,099	10		2	TME	0,015 €	2	0,029
11	2	10u tant.	801-5401	T491A106K006 AT	0,139	50	T491A106K006AT	0,073	25		2	TME	0,073 €	2	0,145
12	8	10n	464-6672	08055C103KAT 2A	0,026	50	CC0805KRX7R9103	0,027	100		8	Digikey	0,017 €	8	0,136
13	2	47p	264-4270	C0805C470J5G ACTU	0,069	25	CC0805JRNPO9470	0,038	100		2	Mouser	0,036 €	2	0,072
14	5	2n2	264-4359	C0805C222K5R ACTU	0,031	25	VJ0805Y222KXACW1 BC	0,020	100		5	TME	0,020 €	5	0,098
15	1	220p	723-6335	GRM2165C2A2 21JA01D	0,059	100	CC0805JRNPO9221	0,015	100		1	TME	0,015 €	1	0,015
16	2	4u7/100V	-				-				2	Mouser	0,629 €	2	1,258
17	4	1n	723-6408	GRM2195C1H1 02JA01D	0,031	100	CL21C102JBCNNNC	0,026	100		4	TME	0,026 €	4	0,102
18	1	4u7	691-1221	C1206C475K3R ACTU	0,232	25	GCM31CR71E475KA5 5L	0,381	10		1	Mouser	0,129 €	1	0,129
19	4	3n3	237-7009	GRM216R71H3 32KA01D	0,060	50	VJ0805Y333KXACW1 BC	0,023	100		4	TME	0,023 €	4	0,092
20	2	1u/100V	136-4396	12061C105KAT 2A	0,294	50	-				2	Mouser	0,227 €	2	0,454

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21	2	470n	0805	C8, C88	2627486	MC0805F474Z500 CT	0,187	10	1276-6482-1-ND	0,082	10	603- CC805KKX7R9B B474	0,107	10
22	27	100n	0603	C9, C21, C23, C24, C25, C35, C36, C37, C38, C39, C50, C51, C52, C56, C57, C58, C61, C62, C65, C68, C71, C75, C77, C79, C80, C82, C84	2522597	C0603C104K4RAC 7081	0,011	10	490-4774-1-ND	0,029	100	80- C0603C104M4R	0,007	100
23	2	10n/200V	1206	C90, C94	2812560	885342207005	0,078	5	311-4491-1-ND	0,150	10	603- C1206KRX7RAB B103	0,129	10
24	1	STPS15H100	DPAK	D1	2344052	STPS15H100CB- TR	1,010	1	497-11400-5-ND	1,070	1	511- STPS15H100CB- TR	1,050	1
25	1	SK55	SMB	D10	1299292	SK56C	0,608	1	SK55L-TPMSCT- ND	0,430	1	833-SK56A-LTP	0,489	1
26	1	SK10100D1-DIO	DPAK	D14	-				SBRT10U60D1- 13DICT-ND	0,810	1	621- SBRT10U60D1Q -13	0,777	1
27	12	BAS316	SOD-323	D2, D3, D4, D5, D6, D7, D8, D9, D11, D12, D13, D15	8734275	BAS316,115	0,193	5	1727-7370-1-ND	0,120	1	771-BAS316-T/R	0,179	1
28	2	ZH32	ZH32	F1, F2	-				-			-		
29	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
30	1	LTC3864EMSE#PBF	TSSOP-12	IC1	-				LTC3864EMSE# PBF-ND	4,440	1	584- LTC3864EMSE# PBF	4,360	1
31	1	OPA2196ID	SOIC-8	IC10	-				296-48159-1-ND	1,980	1	595- OPA2196IDR	1,880	1
32	1	MC33272ADR2G	SOIC-8	IC11	2531389	MC33272ADR2G	0,854	1	MC33272ADR2G OSCT-ND	0,910	1	863- MC33272ADR2G	0,865	1
33	1	LTC2050HVCS8#PBF	SOIC-8	IC12	-				LTC2050HVCS8 #PBF-ND	2,760	1	584- LTC2050HVCS8 #PBF	2,710	1
34	1	74AUP1G74DC.125	VSSOP-8	IC13	2445023	74AUP1G74DC,12 5	0,369	1	1727-6029-1-ND	0,430	1	771- AUP1GDC125	0,419	1
35	1	MCP23S17-E/SS	SSOP-28	IC14	1467675	MCP23S17-E/SS	1,160	1	MCP23S17- E/SS-ND	1,210	1	579-MCP23S17- E/SS	1,180	1
36	1	REF5025AIDR	SOIC-8	IC15	1439622	REF5025AIDG4	3,440	1	296-39165-1-ND	2,660	1	595- REF5025AIDR	2,540	1
37	1	DAC8552IDGKR	VSSOP-8	IC16	-				296-46082-1-ND	6,430	1	595- DAC8552IDGKR	6,150	1
38	1	SN74LVC1G3157DCKR	SC-70	IC17	1470911	SN74LVC1G3157D CKR	0,274	5	296-14909-1-ND	0,330	1	595- SN74LVC1G315 7DCK	0,323	1
39	1	ADS1120IPWR	TSSOP-16	IC18	-				296-37280-1-ND	6,030	1	595- ADS1120IPWR	5,760	1

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21	2	470n	378-700	0805CG471J9B B	0,040	25	C0805C474K4RAC	0,021	100		2	TME	0,021 €	2	0,042
22	27	100n	393-6952	VJ0603Y104KXJ AT	0,069	25	CL10B104KA8NNNC	0,098	100		27	Mouser	0,007 €	27	0,189
23	2	10n/200V	669-8647	CC1206KRX7R ABB103	0,128	25	VJ1206Y103KXCTW1 BC	0,019	100		2	TME	0,019 €	2	0,038
24	1	STPS15H100	795-9075	STPS15H100CB -TR	1,088	5	-				1	Farnell	1,010 €	1	1,010
25	1	SK55	743-5961	SK56B R4	0,443	10	SK55-DIO	0,119	5		1	TME	0,119 €	1	0,119
26	1	SK10100D1-DIO	-				SK10100D1-DIO	0,310	3		1	TME	0,310 €	1	0,310
27	12	BAS316	397-2914	BAS316,115	0,122	50	BAS316,115	0,026	25		12	TME	0,026 €	12	0,317
28	2	ZH32	-				ZH32	0,228	5	2		TME	0,228 €	2	0,456
29	3	BLM18AG102SH1D	839-0803	BLM18AG102S H1D	0,043	100	BLM18AG102SH1D	0,016	50		3	TME	0,016 €	3	0,047
30	1	LTC3864EMSE#PBF	-				-				1	Mouser	4,360 €	1	4,360
31	1	OPA2196ID	-				-				1	Mouser	1,880 €	1	1,880
32	1	MC33272ADR2G	773-7778	MC33272ADR2 G	0,865	1	MC33272ADR2G	0,570	1		1	TME	0,570 €	1	0,570
33	1	LTC2050HVCS8#PBF	822-6746	LTC2050HVCS8 #PBF	2,155	2	-				1	RS	2,155 €	1	2,155
34	1	74AUP1G74DC.125	813-9254	74AUP1G74DC, 125	0,408	20	74AUP1G74DC.125	0,323	3		1	TME	0,323 €	1	0,323
35	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
36	1	REF5025AIDR	404-304	REF5025AID	3,030	1	-				1	Mouser	2,540 €	1	2,540
37	1	DAC8552IDGKR	-				-				1	Mouser	6,150 €	1	6,150
38	1	SN74LVC1G3157DCKR	628-2769	SN74LVC1G315 7DCKR	0,237	10	SN74LVC1G3157DCK R	0,107	5		1	TME	0,107 €	1	0,107
39	1	ADS1120IPWR	-				-				1	Mouser	5,760 €	1	5,760

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40	1	LM339D	SOIC-14	IC19	2293778	LM339D	0,264	5	296-1013-1-ND	0,320	1	595-LM339DR	0,306	1
41	1	TL783CKCSE3	THT, TO-220	IC2	-				296-20687-5-ND	1,770	1	595-TL783CKCSE3	1,730	1
42	1	MAX9141ESA	SOIC-8	IC20	2515004	MAX9141ESA+	1,230	1	MAX9141ESA+-ND	1,090	1	700-MAX9141ESA	0,934	1
43	1	LP2951D	SOIC-8	IC3	2318523	LP2951CDR2G	0,420	1	LP2951CDR2GO SCT-ND	0,460	1	863-LP2951CDR2G	0,437	1
44	2	SI8641BB-B-IS1	SOIC-16	IC4, IC7	2423291	SI8641BB-B-IS1	2,140	1	336-2566-ND	2,230	1	634-SI8641BB-B-IS1	2,060	1
45	1	SN74LVC1G139DCUR	VSSOP-8	IC5	2147991	SN74LVC1G139D CUR	0,561	1	296-18203-1-ND	0,510	1	595-SN74LVC1G139 DCUR	0,489	1
46	1	LTC3260EMSE#PBF	MSOP-16	IC6	-				LTC3260EMSE# PBF-ND	7,310	1	584-LTC3260EMSE# PBF	7,190	1
47	1	M24C32-WMN6P	SOIC-8	IC8	1224413	M24C32-WMN6P	0,212	5	-			511-M24C32- WMN6P	0,210	1
48	1	TMP1075AIDGK	VSSOP-8	IC9	2383105	TMP175AIDGKT	2,030	1	296-50245-1-ND	1,020	1	595-TMP1075DGKR	0,716	1
49	1	4907	THT, PCB terminal; 4.8mm	J1	-				36-4907-ND	0,260	1	534-4907	0,257	1
50	1	FCR7350R	THT, binding post 4 mm	J2	1854508	FCR7350R	6,170	1	-			-		
51	1	FCR7350B	THT, binding post 4 mm	J3	1854507	FCR7350B	5,750	1	-			-		
52	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
53	1	RN112-4-02-0M7	RN112	L1					817-2100-ND	1,560	1	631-RN112-4-02- 0M7	1,400	1
54	1	125CDMCCDS-330MC	Power inductor	L2	2211631	7443551331	3,930	1	308-2568-1-ND	1,510	1	851-125CDMCCDS3 30MC	1,590	1
55	2	VLS6045AF-3R3N	COILCRAFT_HPI0630	L3, L4	1741325	IHLP2020CZER3R 3M11	1,940	5	445-180834-1- ND	0,510	1	810-VLS6045AF- 3R3N	0,510	1
56	1	WP934MD/2LID	THT, dual 3 mm LED	LED1	-				754-2000-ND	0,920	1	604-WP934MD2LID	1,030	1
57	1	WP42WUM/EGW	THT, dual 3 mm LED	LED2	-				754-1718-ND	0,930	1	604-WP42WUM/EG W	0,926	1
58	1	WP934MD/LYLID	THT, dual 3 mm LED	LED3	-				754-2008-ND	0,990	1	604-WP934MDLYLID	0,795	1
59	1	WP934AD/YD	THT, 3 mm LED	LED4	-				754-1985-ND	0,550	1	604-WP934ADYD	0,472	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
61	5	MMBT5551	SOT-23	Q10, Q11, Q22, Q24, Q25	1459109	MMBT5551LT1G	0,154	5	MMBT5551LT1G OSCT-ND	0,180	1	863-MMBT5551LT1G	0,170	1
62	3	PSMN0R9-25YLC	SOT-669	Q12, Q13, Q14	1895396	PSMN0R9- 25YLC,115	1,300	5	1727-5292-1-ND	1,270	1	771-PSMN0R925YLC 115	1,320	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 €
40	1	LM339D	689-9718	LM339DR2G	0,340	5	LM339DG	0,184	3		1	TME	0,184 €	1	0,184
41	1	TL783CKCSE3	661-6232	TL783CKCSE3	1,716	5	-			1		RS	1,716 €	1	1,716
42	1	MAX9141ESA	799-8282	MAX9141ESA+	1,360	5	-				1	Mouser	0,934 €	1	0,934
43	1	LP2951D	688-9360	LP2951ACDG	0,500	2	LP2951CDR2G	0,211	3		1	TME	0,211 €	1	0,211
44	2	SI8641BB-B-IS1	823-2126	Si8641BB-B-IS1	2,190	5	-				2	Mouser	2,060 €	2	4,120
45	1	SN74LVC1G139DCUR	-				-				1	Mouser	0,489 €	1	0,489
46	1	LTC3260EMSE#PBF	851-6768	LTC3260EMSE# PBF	6,700	1	-				1	RS	6,700 €	1	6,700
47	1	M24C32-WMN6P	686-2453	M24C32- WMN6P	0,180	25	M24C32-WMN6P	0,165	3		1	TME	0,165 €	1	0,165
48	1	TMP1075AIDGK	-				-				1	Mouser	0,716 €	1	0,716
49	1	4907	-				61-1537-11/0031	0,049	10	1		TME	0,049 €	1	0,049
50	1	FCR7350R	-				FCR7350R	2,290	1	1		TME	2,290 €	1	2,290
51	1	FCR7350B	-				FCR7350B	2,290	1	1		TME	2,290 €	1	2,290
52	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
53	1	RN112-4-02-0M7	-				-			1		Mouser	1,400 €	1	1,400
54	1	125CDMCCDS-330MC	-								1	Digikey	1,510 €	1	1,510
55	2	VLS6045AF-3R3N	-				HPI0630-3R3	0,335	1		2	TME	0,335 €	2	0,670
56	1	WP934MD/2LID	-				-			1		Digikey	0,920 €	1	0,920
57	1	WP42WUM/EGW	-				L-42WUM/1EGWT	0,501	1	1		TME	0,501 €	1	0,501
58	1	WP934MD/LYLID	-				-			1		Mouser	0,795 €	1	0,795
59	1	WP934AD/YD	-				OSY5LU3E34X-3F1A	0,119	5	1		TME	0,119 €	1	0,119
60	1	SUD19P06-60	180-7995	SUD19P06-60- GE3	0,960	10	SUD19P06-60-GE3	0,740	1		1	TME	0,740 €	1	0,740
61	5	MMBT5551	545-0400	MMBT5551LT1 G	0,146	10	MMBT5551	0,024	25		5	TME	0,024 €	5	0,121
62	3	PSMN0R9-25YLC	798-2895	PSMN0R9- 25YLC,115	1,537	3	PSMN0R9-25YLC.115	0,709	2		3	TME	0,709 €	3	2,126

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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
63	5	2N7002	SOT-23	Q15, Q19, Q20, Q21, Q26	1713825	2N7002K-7	0,148	5	T2N7002AKLMC T-ND	0,126	10	757- T2N7002AKLM	0,113	10
64	1	BSS84P	SOT-23	Q16	1056526	BSS84PH6327XTS A2	0,224	5	BSS84PH6433X TMA1CT-ND	0,314	10	726- BSS84PH6327X TSA2	0,196	10
65	1	BTA26-600	THT, TOP-3	Q17	1057286	BTA26-600BRG	3,820	1	497-2427-5-ND	3,510	1	511-BTA26-600B	3,440	1
66	1	FMMT493TA	SOT-23	Q18	2061448	FMMT493ATA	0,348	5	FMMT493CT-ND	0,420	1	522-FMMT493TA	0,376	1
67	4	MMBT5401	SOT-23	Q2, Q8, Q9, Q23	2533333	MMBT5401LT3G	0,181	5	MMBT5401- FDICT-ND	0,154	10	621-MMBT5401- F	0,135	10
68	1	IRFP250MPBF	THT, TO-247	Q3	2580020	IRFP250MPBF	1,470	5	IRFP250MPBF- ND	1,840	1	942- IRFP250MPBF	1,550	1
69	1	BC856C	SOT-23	Q4	2453815	BC856CMTF	0,138	5	BC856CMTFCT- ND	0,154	10	512-BC856CMTF	0,118	10
70	2	BCP56	SOT-223	Q5, Q7	2628083	BCP56TX	0,263	5	BCP5616QTADI CT-ND	0,350	1	621- BCP5616QTA	0,297	1
71	1	STP10P6F6	THT, TO-220	Q6	2807209	STP10P6F6	1,230	1	497-13440-ND	1,530	1	511-STP10P6F6	1,290	1
72	1	4K7/2W	2512	R1	2081875	ASC2512-4K7FT4	0,195	10	A130729CT-ND	0,331	10	279- CRGP2512F4K7	0,180	10
73	8	100K	0805	R10, R13, R21, R22, R75, R76, R100, R121	2447551	MCWR08X1003FT L	0,010	10	RMCF0805FT10 0KCT-ND	0,024	10	71- CRCW0805100K FKEAC	0,040	10
74	1	6R2	0805	R101	2447714	MCWR08W6R20F TL	0,012	10	311-6.20CRCT- ND	0,070	10	603-RC0805FR- 076R2L	0,020	10
75	3	316K	0805	R12, R20, R23	2695035	MCWR08X3163FT L	0,010	10	311-316KCRCT- ND	0,037	10	652-CR0805FX- 3163ELF	0,013	10
76	1	4K7	0805	R14	2861530	CRGCQ0805F4K7	0,012	10	311-4.70KCRCT- ND	0,040	10	603-RC0805FR- 074K7L	0,027	10
77	11	220R	0805	R15, R33, R35, R36, R42, R48, R58, R80, R81, R84, R85	1099795	WCR0805-220RFI	0,019	10	RMCF0805FT22 0RCT-ND	0,020	10	603-RC0805FR- 13220RL	0,020	10
78	2	1K8	0805	R16, R51	2447595	MCWR08X1801FT L	0,009	10	A129752CT-ND	0,028	10	652-CR0805JW- 182ELF	0,008	10
79	2	16K	0805	R18, R34	2303674	ERJ6ENF1602V	0,009	10	311-16.0KCRCT- ND	0,037	10	603-RC0805FR- 0716KL	0,027	10
80	3	5K1	0805	R19, R90, R103	2447692	MCWR08X5101FT L	0,010	10	RMCF0805FT5K 10CT-ND	0,024	10	652-CR0805FX- 5101ELF	0,013	10
81	25	10K	0805	R2, R9, R11, R17, R24, R25, R26, R30, R41, R49, R52, R57, R64, R67, R70, R74, R79, R87, R93, R99, R102, R104, R106, R114, R115	9237755	RC0805FR- 0710KL	0,022	10	311-10.0KCRCT- ND	0,039	10	603-RC0805FR- 0710KL	0,014	10
82	5	1K	0805	R27, R39, R66, R95, R112	1099800	WCR0805-1K0FI	0,019	10	RC0805FR- 071KL	0,039	10	603-RC0805FR- 071KL	0,015	10
83	2	3R9/2W	2512	R28, R29	2324219	ERJ1TYJ3R9U	0,205	10	RMCF2512JT3R 90CT-ND	0,225	10	603-RC2512JK- 90CT-ND	0,254	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 €
63	5	2N7002	671-0312	2N7002	1,250	20	2N7002LT1G	0,019	25		5	TME	0,019 €	5	0,096
64	1	BSS84P	-				BSS84P	0,060	10		1	TME	0,060 €	1	0,060
65	1	BTA26-600	714-0515	BTA26-600BRG	3,710	1	BTA26-600BRG	2,180	1		1	TME	2,180 €	1	2,180
66	1	FMMT493TA	274-885	FMMT493TA	0,302	10	FMMT493TA	0,125	10		1	TME	0,125 €	1	0,125
67	4	MMBT5401	739-0546	MMBT5401	0,157	10	MMBT5401	0,024	25		4	TME	0,024 €	4	0,094
68	1	IRFP250MPBF	827-4004	IRFP250MPBF	1,678	5	IRFP250MPBF	1,220	1	1		TME	1,220 €	1	1,220
69	1	BC856C	-				BC856C-DIO	0,027	20		1	TME	0,027 €	1	0,027
70	2	BCP56	773-7633	BCP56-16T3G	0,138	10	BCP56-16T1G	0,153	5		2	RS	0,138 €	2	0,276
71	1	STP10P6F6	-				STP10P6F6	0,640	1	1		TME	0,640 €	1	0,640
72	1	4K7/2W	224-0424	35204K7JT	1,370	10	CRCW25124K70FKTH BC	0,113	10		1	TME	0,113 €	1	0,113
73	8	100K	223-0691	CRG0805F100K	0,028	50	SMD0805-100K-1%	0,015	100		8	Farnell	0,010 €	8	0,078
74	1	6R2	-				RC0805JR-076R2	0,034	100		1	Farnell	0,012 €	1	0,012
75	3	316K	763-3985	ERJP06F3163V	0,038	500	CRCW0805316KFKTA BC	0,025	100		3	Farnell	0,010 €	3	0,029
76	1	4K7	223-0528	CRG0805F4K7	0,023	50	SMD0805-4K7-1%	0,023	100		1	Farnell	0,012 €	1	0,012
77	11	220R	223-0332	CRG0805F220R	0,018	50	SMD0805-220R-1%	0,022	100		11	RS	0,018 €	11	0,198
78	2	1K8	223-0461	CRG0805F1K8	0,022	50	SMD0805-1K8-1%	0,022	100		2	Mouser	0,008 €	2	0,016
79	2	16K	-				SMD0805-16K-1%	0,015	100		2	Farnell	0,009 €	2	0,017
80	3	5K1	-				SMD0805-5K1-1%	0,015	100		3	Farnell	0,010 €	3	0,029
81	25	10K	125-1189	CRG0805F10K	0,002	100	RC0805FR-0710K	0,022	100		25	RS	0,002 €	25	0,050
82	5	1K	223-0427	CRG0805F1K0	0,017	50	RC0805FR-071K	0,022	100		5	Mouser	0,015 €	5	0,075
83	2	3R9/2W	224-0086	35203R9JT	0,254	10	35203R9JT	0,182	10		2	TME	0,182 €	2	0,364

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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	1	R010/2W	2512	R3	1435947RL	CRA2512-FZ-R010ELF	0,599	10	KRL32C.010CT-ND	0,580	1	652-CRA2512FZR010ELF	0,334	10
85	6	2K2	0805	R31, R32, R43, R63, R97, R113	9237534	RC0805FR-072K2L	0,037	10	311-2.20KCRCT-ND	0,039	10	603-RC0805FR-072K2L	0,026	10
86	8	470R	0805	R37, R50, R77, R82, R83, R89, R107, R120	1099798	WCR0805-470RFI	0,019	10	311-470CRCT-ND	0,039	10	71-CRCW0805470RFKEB	0,041	10
87	8	47K	0805	R4, R61, R69, R72, R91, R109, R110, R118	2447664	MCWR08X4702FTL	0,009	10	RHM47KKCT-ND	0,036	10	603-RC0805FR-0747KL	0,014	10
88	2	7K5 0.1%	0805	R40, R53	1575887	MCTC0525B7501T5E	0,203	10	YAG1974CT-ND	0,265	10	279-CPF0805B7K5E1	0,249	10
89	4	750R	0805	R44, R88, R111, R117	2447719	MCWR08X7500FTL	0,010	10	A126385CT-ND	0,046	10	71-CRCW0805750RFKEB	0,052	10
90	2	100K 0.1%	0805	R45, R54	1653285RL	RR1220P-104-B-T5	0,205	10	P100KDACT-ND	0,268	10	284-APC0805B100KN	0,093	10
91	2	24K 0.1%	0805	R46, R55	1670246	ERA6AEB243V	0,270	10	P24KDACT-ND	0,268	10	279-CPF0805B24KE1	0,157	1
92	1	51K	0805	R47	2447680	MCWR08X5102FTL	0,010	10	RMCF0805FT51K0CT-ND	0,024	10	652-CR0805FX-5102ELF	0,013	10
93	2	1R	0805	R5, R116	2447598	MCWR08W1R00FTL	0,012	10	311-1.00CRCT-ND	0,071	10	603-RC0805FR-131RL	0,020	10
94	1	0R	0805	R56	2747563	MCWR08X0000FTL	0,006	10	RMCF0805ZT0R00CT-ND	0,019	10	603-RC0805FR-070RL	0,023	10
95	2	3K9 0.1%	0805	R59, R68	1577666	ERA6AEB392V	0,277	10	YAG1890CT-ND	0,265	10	279-CPF0805B3K9E1	0,157	10
96	3	100R	0805	R6, R7, R38	2447552	MCWR08X1000FTL	0,094	10	311-100CRCT-ND	0,039	10	RC0805FR-07100RL	0,014	10
97	2	82R 0.1%	0805	R60, R73	2504986RL	ACPP080582RBE	0,395	1	YAG1982CT-ND	0,265	10	603-RT0805BRD0782RL	0,196	10
98	1	0R75	1206	R62	2805273	RLP73K2AR75JTD	0,095	10	311-.75SCT-ND	0,261	10	603-RL0805FR-070R75L	0,188	10
99	1	0R082	1206	R65	2116424	RLP73N2BR082JTD	0,266	10	408-1581-1-ND	0,342	10	603-RL1206FR070R082L	0,196	10
100	1	0R010	2512, low TCR	R71	2808330	GMR100HTBFA10L0	1,130	5	511-1686-1-ND	1,350	1	755-GMR100HTBFA10L0	1,080	1
101	1	270R	0805	R78	2073716	MCMR08X271 JTL	0,009	10	RMCF0805FT270RCT-ND	0,025	10	652-CR0805FX-2700ELF	0,013	10
102	2	10R	1206	R8, R86	9236643	RC1206FR-0710RL	0,050	10	311-10.0CRCT-ND	0,071	10	603-RC1206FR-0710RL	0,034	10
103	2	5K6	0805	R92, R105	2447693	MCWR08X5601FTL	0,010	10	RC0805FR-075K6L	0,037	10	RC0805FR-075K6L	0,027	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	1	R010/2W	693-4381	CRA2512-FZ-R010ELF	0,508	5	LRP2512-R010-1%	0,147	10		1	TME	0,147 €	1	0,147
85	6	2K2	679-1207	CRCW08052K20FKEA	0,039	50	SMD0805-2K2-1%	0,022	100		6	TME	0,022 €	6	0,134
86	8	470R	223-0376	CRG0805F470R	0,021	50	RC0805FR-07470R	0,022	100		8	Farnell	0,019 €	8	0,151
87	8	47K	679-1434	CRCW080547K0FKEA	0,036	50	RC0805FR-0747K	0,022	100		8	Farnell	0,009 €	8	0,075
88	2	7K5 0.1%	-				AR0805-7K5-0.1%	0,105	10		2	TME	0,105 €	2	0,210
89	4	750R	215-2298	RN73C2A750RB	0,666	5	SMD0805-750R-1%	0,015	100		4	Farnell	0,010 €	4	0,039
90	2	100K 0.1%	-				AR0805-100K-0.1%	0,105	10		2	Mouser	0,093 €	2	0,186
91	2	24K 0.1%	-				AR0805-24K-0.1%	0,105	10		2	TME	0,105 €	2	0,210
92	1	51K	-				SMD0805-51K-1%	0,015	10		1	Farnell	0,010 €	1	0,010
93	2	1R	740-9151	CR0805-J/-1R0ELF	0,027	50	SMD0805-1R-1%	0,032	100		2	Farnell	0,012 €	2	0,023
94	1	0R	-				CQ0805-0R-1%	0,028	100		1	Farnell	0,006 €	1	0,006
95	2	3K9 0.1%	-				AR0805-3K9-0.1%	0,105	10		2	TME	0,105 €	2	0,210
96	3	100R	679-0807	CRCW0805100RFKEA	0,043	50	SMD0805-100R-1%	0,022	100		3	Mouser	0,014 €	3	0,042
97	2	82R 0.1%	-				AR0805-82R-0.1%	0,105	10		2	TME	0,105 €	2	0,210
98	1	0R75	-				-				1	Farnell	0,095 €	1	0,095
99	1	0R082	-				CS1206-0R082-1%-HP	0,165	10		1	TME	0,165 €	1	0,165
100	1	0R010	-				-				1	Mouser	1,080 €	1	1,080
101	1	270R	223-0348	CRG0805F270R	0,025	50	SMD0805-270R-1%	0,023	100		1	Farnell	0,009 €	1	0,009
102	2	10R	740-9085	CR1206-FX-10R0ELF	0,036	50	SMD1206-10R	0,012	100		2	TME	0,012 €	2	0,025
103	2	5K6	679-1572	CRCW08055K60FKEA	0,029	50	SMD0805-5K6-1%	0,023	100		2	Farnell	0,010 €	2	0,019

#	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
104	4	330R	0805	R94, R98, R108, R119	2695037	MCWR08X331 JTL	0,009	10	A129743CT-ND	0,045	10	652-CR0805FX-3300ELF	0,013	10
105	1	AC01000001007JA100	R-EU_0411/15	R96	1735022	AC01000001007JA100	0,441	1	PPC1W.10CT-ND	0,500	1	594-AC01W0R100J	0,349	1
106	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
107	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
108	1	M20-9701346	M20-9701346	X2	-	-	-	-	-	-	-	855-M20-9701346	0,969	1
109	1	1844249	MC1,5/5-G-3,5	X3	2776334	MC 1,5/ 5-G-3,5	1,830	1	277-5789-ND	2,070	1	651-1844249	2,030	1
110	1	ZL263-20DG	SSW-110-02-T-D-RA	X4	1668376	SSW-110-02-G-D-RA	2,640	1	SAM10030-ND	1,770	1	200-SSW11002TDRA	1,750	1
111	1	SMAJ51A	SMA	ZD1	2677667	SMAJ51A	0,144	5	SMAJ51ALFCT-ND	0,370	1	652-SMAJ51A	0,463	1
112	1	PDZ5.6B	SOD-323	ZD2	1757862	PDZ5.6B,115	0,177	5	1727-3676-1-ND	0,166	10	771-PDZ5.6B-T/R	0,155	10
113	1	BZX384-C13	SOD-323	ZD3	8735492	BZX384-C13,115	0,178	5	BZX384C13-E3-08GICT-ND	0,185	10	771-BZX384-C13115	0,148	10
114	1	PDZ6.2B	SOD-323	ZD4	1757863	PDZ6.2B,115	0,153	5	1727-1719-1-ND	0,166	10	771-PDZ6.2BT/R	0,155	10
115	1	SLVU2.8-TP	TVS, SOT-23	ZD5	2749173	SLVU2.8HTG	0,929	5	SLVU2.8-TPMSCT-ND	0,690	1	833-SLVU2.8-TP	0,664	1

Not installed														
1	1uF/50V Tant.			C20										
1	n.c.	0805		C12										
1	N.C.	ECAP2G/5		C91										
2	N.C.	0805		C92, C93										
2				TP1, TP2										

Related parts and accessories														
2	PCB-MB-01	PCB bracket; polyamide	KK1, KK2	-					-			-		
1	SK624/50/AL	Heatsink 90 x 50 x 17 mm		-					-			-		
3	M3X5/BN3318	Screwed spacer sleeve for heatsink; Int.thread: M3; 5mm		-					-			-		
3	B3X5/BN3318	Screwed spacer sleeve; Int.thread: M3; 5mm for heatsink												
2	ZCT-8A	20 x 5 mm, fuse; time lag; ceramic												
2	IB-6	Insulating bushing TO220 for IC2, Q6												
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

#	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 €
104	4	330R	223-0354	CRG0805F330R	0,040	50	SMD0805-330R-1%	0,015	100		4	Farnell	0,009 €	4	0,038
105	1	AC01000001007JA100	846-9836	AC01000001007 JA100	0,350	1	-			1		Mouser	0,349 €	1	0,349
106	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
107	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
108	1	M20-9701346	-				-			1		Mouser	0,969 €	1	0,969
109	1	1844249	-				-			1		Farnell	1,830 €	1	1,830
110	1	ZL263-20DG	180-0986	SSW-110-02-T- D-RA	2,100	1	ZL263-20DG	0,335	2	1		TME	0,335 €	1	0,335
111	1	SMAJ51A	171-4238	SMAJ51A	0,320	25	SMAJ51A-LF	0,201	3		1	Farnell	0,144 €	1	0,144
112	1	PDZ5.6B	725-8269	PDZ5.6B,115	0,031	100	PDZ5.6B.115	0,060	10		1	RS	0,031 €	1	0,031
113	1	BZX384-C13	508-361	BZX384- C13,115	0,016	200	BZX384-C13.115	0,025	20		1	RS	0,016 €	1	0,016
114	1	PDZ6.2B	725-8247	PDZ6.2B,115	0,026	100	PDZ6.2B	0,024	25		1	TME	0,024 €	1	0,024
115	1	SLVU2.8-TP	793-1942	SLVU2.8HTG	1,000	5	-				1	Mouser	0,664 €	1	0,664
											18	282			
														77,69 €	

Not installed															
1	1uF/50V Tant.										1	Farnell	0,000 €	1	0,000
1	n.c.										1	Farnell	0,000 €	1	0,000
1	N.C.										1	Farnell	0,000 €	1	0,000
2	N.C.										2	Farnell	0,000 €	2	0,000
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
1	SK624/50/AL	-		SK624/50/AL	2,430	1						TME	2,430 €	1	2,430
3	M3X5/BN3318	-		M3X5/BN3318	0,077	10						TME	0,077 €	3	0,230
3	B3X5/BN3318			B3X5/BN3318	0,077	10						TME	0,077 €	3	0,230
2	ZCT-8A			ZCT-8A	0,131	10						TME	0,131 €	2	0,262
2	IB-6			IB-6	0,050	10						TME	0,050 €	2	0,099
1	LRS-150F-48	106-5854	LRS-150F-48	21,730	1	LRS-150F-48	15,650	1				TME	15,650 €	1	15,650

#	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	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 185 x 95 mm, 2 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.

Project source code at <https://github.com/eez-open/modular-psu>

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