

**EEZ DIB MCU BOM (r1B2, 2019-03-27)**  
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	1	S8401-46 or DS1092-16-B6P	THT; CR2032 cell battery holder; vertical	B1	2115304	S8401-46	2,190	1	952-1743-1-ND	1,230	1	855-S8401-46	1,220	1
2	2	2n2/1kV	1206 or 1210	C1, C49	1855965	MC1210B222K102CT	0,496	5	490-12018-1-ND	0,502	10	710-885342208019	0,121	10
3	1	EEEFK1V470P	Ø6.3 x 5.8 mm	C11	9695850	EEEFK1V470P	0,364	1	PCE3842CT-ND	0,302	10	667-EEE-FK1V470P	0,238	10
4	3	4u7/6.3V	1206, Tant.	C13, C20, C47	2321209	T491A475K006AT	0,421	5	399-9717-1-ND	0,259	10	80-T491A475K006AT	0,184	10
5	40	100n	0603	C2, C5, C8, C12, C14, C15, C16, C17, C18, C19, C21, C24, C25, C26, C27, C28, C29, C30, C33, C36, C38, C39, C40, C41, C42, C43, C44, C50, C55, C58, C59, C60, C61, C62, C63, C64, C66, C67, C68, C69	2522597	C0603C104K4RAC7081	0,073	10	490-4774-1-ND	0,090	100	80-C0603C104M4R	0,085	100
6	5	1u	0805	C22, C31, C32, C46, C56	2896566	VJ0805Y105KXXTW1BC	0,084	5	587-1283-1-ND	0,090	10	603-CC805MKX7R7B105	0,062	10
7	4	10n	0805	C3, C4, C6, C7	1828829	GRM21BR71C225KA12L	0,198	5	1276-2954-1-ND	0,085	10	80-C0805C225M4RECLR	0,078	10
8	3	2u2	0805	C34, C35, C48										
9	3	4u7	1206	C37, C45, C51	1907356	C3216X7R1E475K160AC	0,282	5	1276-2970-1-ND	0,199	10	963-EMK316B7475ML-T	0,129	10
10	2	470n	0805	C52, C53	2896591	VJ0805Y474KXQTW1BC	0,094	5	1276-2966-1-ND	0,151	10	603-CC0805JK7R9BB474	0,049	10
11	1	10u	1206, Tant.	C65	1457412	T491A106K006AT	0,259	5	399-3683-1-ND	0,238	10	80-T491A106K0067280	0,173	10
12	2	18p	0603, C0G	C9, C10	2896373	VJ0603A180JXACW1BC	0,016	10	1276-1089-1-ND	0,048	10	80-C0603C180J5G7867	0,023	10
13	1	SMBJ5.0A-TR	DO-214AA	D1	2353654	SMBJ5.0ATR	0,232	5	497-3144-1-ND	0,263	10	511-SMBJ5.0A	0,306	1
14	1	RB751V40T1G	SOD-323, low capacitance switching diode	D2	1459171	RB751V40T1G	0,143	5	RB751V40T1GO SCT-ND	0,192	10	863-RB751V40T1G	0,146	10
15	2	SM005-60	1210 fuse; 50mA	F1, F2	1822205	1210L005WR	0,419	5	507-1782-1-ND	0,110	1	530-OZCH0005FF2E	0,094	1
16	1	BLM18AG102SH1D	0603 ferrite bead; 60R; 100MHz	FB1, FB2	1669708	MMZ1608Y102B	0,072	10	490-7809-1-ND	0,052	50	81-BLM18AG102SH1D	0,063	10
17	4	TPD4E001DRLR	SOT-6	IC1, IC6, IC11, IC15	1611469	TPD4E001DRLR	0,453	5	296-21887-1-ND	0,590	1	595-TPD4E001DRLR	0,536	1
18	1	TPS61169DCKR	SC-70-5	IC10	2542731	TPS61169DCKR	0,661	1	296-40821-1-ND	0,790	1	595-TPS61169DCKR	0,770	1
19	1	TPA6205A1DGN	MSOP-8	IC12	2782859	TPA6205A1DGNR	0,683	1	296-21262-1-ND	0,820	1	595-TPA6205A1DGNR	0,791	1

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#	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	1	S8401-46 or DS1092-16-B6P	161-3709	S8401-46	1,454	5	DS1092-16-B6P	0,147	10	1		TME	0,147 €	1	0,147
2	2	2n2/1kV	723-6492	GRM31BR73A2 22KW01L	0,246	25	1206B222K102CT	0,030	50		2	TME	0,030 €	2	0,059
3	1	EEEFK1V470P	537-0657	EEEFK1V470P	0,394	5	EEEFK1V470P	0,130	5		1	TME	0,130 €	1	0,130
4	3	4u7/6.3V	538-2335	T491A475K006 AT	0,337	10	T491A475K006AT	0,094	10		3	TME	0,094 €	3	0,281
5	40	100n	264-4630	C0603C104K4R ACTU	0,035	25	CL10B104KA8NNNC	0,098	100		40	RS	0,035 €	40	1,400
6	5	1u	451-5770	C0805C105K4R ACTU	0,028	25	CL21B105KOFNNNE	0,010	100		5	TME	0,010 €	5	0,052
7	4	10n									4	Farnell	0,000 €	4	0,000
8	3	2u2	766-1031	CL21B225KAFN NNF	0,069	100	CL21B225KOFNNNG	0,071	100		3	RS	0,069 €	3	0,207
9	3	4u7	691-1221	C1206C475K3R ACTU	0,232	25	GCM31CR71E475KA5 5L	0,381	10		3	Mouser	0,129 €	3	0,387
10	2	470n	174-4499	C0805X474K5R ECAUTO	0,091	100	CL21B474KBFNNNE	0,027	100		2	TME	0,027 €	2	0,053
11	1	10u	136-2614	F930J106MA	0,182	25	T491A106K006AT	0,069	25		1	TME	0,069 €	1	0,069
12	2	18p	147-415	C0603C180J5G ACTU	0,032	50	CL10C180JB8NNNC	0,015	100		2	TME	0,015 €	2	0,030
13	1	SMBJ5.0A-TR	714-7210	SMBJ5.0A-TR	0,268	25	SMBJ5.0A-TR	0,114	5		1	TME	0,114 €	1	0,114
14	1	RB751V40T1G	690-0022	RB751V40T1G	0,137	25	RB751V40T1G	0,036	25		1	TME	0,036 €	1	0,036
15	2	SM005-60	647-8342	MF-USMF005-2	0,278	10	SM005-60	0,085	10		2	TME	0,085 €	2	0,170
16	1	BLM18AG102SH1D	839-0803	BLM18AG102S H1D	0,043	100	BLM18AG102SH1D	0,016	50		1	TME	0,016 €	1	0,016
17	4	TPD4E001DRLR	709-9066	TPD4E001DRL R	0,552	5	-				4	Farnell	0,453 €	3	1,359
18	1	TPS61169DCKR	-				-				1	Farnell	0,661 €	1	0,661
19	1	TPA6205A1DGN	812-4268	TPA6205A1DG N	0,815	10	TPA6205A1DGN	0,791	1		1	Farnell	0,683 €	1	0,683

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						Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ
20	1	TSC2007IPW	TSSOP-16	IC14	2769429	TSC2007IPWR	1,700	1	296-27124-1-ND	2,110	1	595-TSC2007IPWR	2,040	1
21	1	DP83848CVV/NOPB	LQFP-48	IC16	1685784	DP83848CVV/NOPB	4,850	1	DP83848CVV/NOPB-ND	4,280	1	926-DP83848CVV/NOPB	4,260	1
22	1	SN74LVC2G34DBVR	SOT-23	IC2	1470888	SN74LVC2G34DBVR	0,377	1	296-13496-1-ND	0,470	1	595-SN74LVC2G34DBVR	0,451	1
23	1	BTS3408G	SOIC-8	IC3	2480561	BTS3408G	1,380	1	BTS3408GXUMA2CT-ND	1,740	1	726-BTS3408GXUMA2	1,610	1
24	1	STM32F769IGT6	LQFP-176	IC4	-				497-16648-ND	12,850	1	511-STM32F769IGT6	12,780	1
25	1	LD1117ADT33TR	TO-252 (DPAK)	IC5	2849768	LD1117ADT33TR	0,419	1	497-3455-1-ND	0,420	1	511-LD1117ADT33TR	0,408	1
26	1	IS42S16400J	TSOP-II	IC7	2901167	IS42S16400J-6TLI	2,710	1	IS42S16400J-7TLI	2,050	1	870-IS42S16400J-7TL	1,410	1
27	1	AT24C256C-SSHL-B	SOIC-8	IC8	1972001	AT24C256C-SSHL-B	0,685	1	AT24C256C-SSHL-B-ND	0,540	1	556-AT24C256C-SSHL-B	0,541	1
28	1	TPS2051BDBVR	SOT-23-5	IC9	2296067	TPS2051BDBVR	1,080	1	296-21265-1-ND	1,280	1	595-TPS2051BDBVR	1,220	1
29	1	503398-1892	SMD; Micro SD, push-push, 8-pin	J1	2358234	503398-1892	1,980	1	WM11190CT-ND	2,160	1	538-503398-1892	1,960	1
30	1	67803-8020	SMD; USB mini AB, OTG, 5-pin	J2	1355761	67803-8020	1,470	1	WM17148CT-ND	1,790	1	538-67803-8020	1,790	1
31	1	DLG-0403-4R7	0403 power inductor	L1	1827980	SDR0403-4R7ML	0,406	5	SDR0403-4R7MLCT-ND	0,424	10	652-SDR0403-4R7ML	0,272	10
32	1	505110-4091	SMD; FFC/FPC 40-pin lower side entry	LCD1	2500025	505110-4091	-		WM11292CT-ND	1,250	1	538-505110-4091	1,150	1
33	9	4K7	0805	R1, R2, R3, R6, R7, R9, R13, R15, R16	2861530	CRGCQ0805F4K7	0,009	10	311-4.70KCRCT-ND	0,090	1	603-RC0805FR-074K7L	0,026	10
34	1	1M	0805	R14	2447596	MCWR08X1004FTL	0,009	10	311-1.00MCRCT-ND	0,039	10	603-RC0805FR-071ML	0,026	10
35	1	0R	0805	R17	9233750	RC0805JR-070RL	0,031	10	RC2012J000CS	0,044	10	RC0805JR-070RL	0,022	10
36	1	47R	0805	R18	2861899	CRGCQ0805J47R	0,007	10	P47.0CCT-ND	0,069	10	279-CRGCQ0805F47R	0,028	10
37	4	22R	0805	R20, R21, R30, R31	1099795	WCR0805-220RFI	0,019	10	RMCF0805FT22R0CT-ND	0,020	10	RC0805FR-07220RL	0,026	10
38	4	47K	0805	R22, R23, R28, R36	2447664	MCWR08X4702FTL	0,010	10	RHM47KKCT-ND	0,074	10	603-RC0805FR-0747KL	0,026	10
39	2	10R	0805	R25, R27	9236643	RC1206FR-0710RL	0,050	10	311-10.0CRCT-ND	0,071	10	603-RC1206FR-0710RL	0,034	10
40	2	20K	0805	R33, R37	2447603	MCWR08X2002FTL	0,010	10	541-4133-1-ND	0,040	10	755-KTR10EZPF2002	0,132	10
41	2	1K	0805	R4, R8	1099800	WCR0805-1K0FI	0,019	10	RC0805FR-071KL	0,039	10	603-RC0805FR-071KL	0,015	10

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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	1	TSC2007IPW	661-3545	TSC2007IPW	2,340	1	-		1		1	Farnell	1,700 €	1	1,700
21	1	DP83848CVV/NOPB	651-5738	DP83848CVV/N OPB	4,310	1	DP83848CVV/NOPB	3,000	1		1	TME	3,000 €	1	3,000
22	1	SN74LVC2G34DBVR	662-8963	SN74LVC2G34 DBVR	0,458	5	SN74LVC2G34DBVR	0,302	3		1	TME	0,302 €	1	0,302
23	1	BTS3408G	825-9099	BTS3408GXUM A2	1,271	10	BTS3408	0,860	2		1	TME	0,860 €	1	0,860
24	1	STM32F769IGT6	-				STM32F769IGT6	12,250	1		1	TME	12,250 €	1	12,250
25	1	LD1117ADT33TR	686-9123	LD1117ADT33T R	0,499	10	LD1117ADT33	0,521	3		1	Mouser	0,408 €	1	0,408
26	1	IS42S16400J	811-5125	IS42S16400J- 7TLI	2,565	2	IS42S16400J-7TL	2,050	1		1	Mouser	1,410 €	1	1,410
27	1	AT24C256C-SSHL-B	738-0041	AT24C256C- SSHL-B	0,488	5	AT24C256C-SSHL-B	0,470	3		1	TME	0,470 €	1	0,470
28	1	TPS2051BDBVR	662-2384	TPS2051BDBVT	1,284	5	-				1	Farnell	1,080 €	1	1,080
29	1	503398-1892	880-1277	503398-1892	2,600	1	MX-503398-1892	0,860	2	1		TME	0,860 €	1	0,860
30	1	67803-8020	720-6618	67803-8020	1,540	5	MX-67803-8020	0,590	1	1		TME	0,590 €	1	0,590
31	1	DLG-0403-4R7	-				DLG-0403-4R7	0,129	10		1	TME	0,129 €	1	0,129
32	1	505110-4091	-				-				1	Mouser	1,150 €	1	1,150
33	9	4K7	223-0528	CRG0805F4K7	0,010	50	SMD0805-4K7-1%	0,022	100		9	Farnell	0,009 €	9	0,077
34	1	1M	223-0821	CRG0805F1M0	0,020	50	SMD0805-1M-1%	0,022	100		1	Farnell	0,009 €	1	0,009
35	1	0R	679-0800	CRCW08050000 Z0EA	0,023	50	SMD0805-0R	0,018	100		1	TME	0,018 €	1	0,018
36	1	47R	223-0253	CRG0805F47R	0,016	50	SMD0805-47R-1%	0,022	100		1	Farnell	0,007 €	1	0,007
37	4	22R	223-0332	CRG0805F220R	0,024	50	SMD0805-220R-1%	0,022	100		4	Farnell	0,019 €	4	0,076
38	4	47K	679-1434	CRCW080547K 0FKEA	0,046	50	SMD0805-47K-1%	0,022	100		4	Farnell	0,010 €	4	0,038
39	2	10R	740-9085	CR1206-FX- 10R0ELF	0,036	50	CRCW120610R0FKTA BC	0,031	100		2	TME	0,031 €	2	0,062
40	2	20K	679-1077	CRCW080520K 0FKEA	0,430	50	SMD0805-20K-1%	0,022	100		2	Farnell	0,010 €	2	0,019
41	2	1K	223-0427	CRG0805F1K0	0,017	50	SMD0805-1K-1%	0,022	100		2	Mouser	0,015 €	2	0,030

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42	1	1K5	0805	R38	2861908	CRGCQ0805J1K5	0,007	10	541-4161-1-ND	0,041	10	279-CRGCQ0805F1K5	0,085	10
43	4	49R9	0805	R39, R40, R43, R48	2447669	MCWR08X49R9FTL	0,009	10	311-49.9CRCT-ND	0,039	10	603-RC0805FR-0749R9L	0,026	10
44	9	2K2	0805	R41, R42, R44, R46, R47, R49, R52, R53, R55	9237534	RC0805FR-072K2L	0,037	10	311-2.20KCRCT-ND	0,039	10	603-RC0805FR-072K2L	0,026	10
45	8	10K	0805	R5, R10, R11, R12, R19, R32, R34, R35	9237755	RC0805FR-0710KL	0,022	10	311-10.0KCRCT-ND	0,039	10	603-RC0805FR-0710KL	0,014	10
46	2	220R	0805	R50, R51	1099795	WCR0805-220RFI	0,019	10	RMCF0805FT220RCT-ND	0,020	10	603-RC0805FR-13220RL	0,020	10
47	1	4K87	0805	R54	1469925	CRCW08054K87FKEA	0,016	10	311-4.87KCRCT-ND	0,039	10	652-CR0805FX-4871ELF	0,037	10
48	4	DR1206-33R-4/8	1206; resistor array	RN1, RN2, RN3, RN4	1770128	CAY16-330J4LF	0,069	10	CAY16-330J4LFCT-ND	0,090	1	652-CAY16-330J4LF	0,085	1
49	1	LD-BZEL-M1313	SMD; loudspeaker 0.7W; 13x13x4mm; 88dB	SP1	-	-	-	-	-	-	-	-	-	-
50	1	PEC16-2215F-S0024	THT; encoder with switch	SW1	-	-	-	-	PEC16-2215F-S0024-ND	1,340	1	652-PEC16-2215FS0024	1,220	1
51	1	TL1100CF160Q	Tactile switch, without cap	SW2	2830627	TL1100CF160Q	0,474	1	EG1822-ND	0,380	1	612-TL1100C	0,442	1
52	1	ZL263-40DG	THT; 40-pin socket; female; angled 90°	X1	1805895	SSW-120-02-T-D-RA	4,920	1	SAM11958-ND	3,060	1	200-SSW12002TDRA	3,050	1
53	1	ZL231-16KG	THT; 16-pin IDC socket; male; angled 90°	X2	1642024	61201621721	0,676	1	S9179-ND	0,620	1	710-61201621721	0,680	1
54	1	1844249	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
55	1	22-23-2061	THT; 6-pin, 0.1" socket; wire-board; male	X4	1462922	22-23-2061	0,229	100	WM4204-ND	0,341	10	538-22-23-2061	0,275	10
56	1	LMJTAB881243M-L	THT; RJ45 socket with magnetics and LEDs; shielded	X5	-	-	-	-	-	-	-	Non-Stocked, Call for Quote	-	-
57	1	25 MHz	SMD; HC-49/US; XTAL	Y1	2832034	LFXTAL033342	0,227	1	1923-1536-1-ND	0,360	1	815-ABLS-25.0M-F-T	0,298	1
58	2	SMAJ18A	DO-214AC	ZD1, ZD2	2677644	SMAJ18A	0,097	5	SMAJ18A-FDICT-ND	0,350	1	621-SMAJ18A-13-F	0,315	1

Not installed / optional														
1	N.C.	C-EUC0603	C23											
1	100n	0603	C54	2522597	C0603C104K4RAC7081	0,073	10	490-4774-1-ND	0,090	100	80-C0603C104M4R	0,085	100	
1	470n	0805	C57	2896591	VJ0805Y474KXQTW1BC	0,094	5	1276-2966-1-ND	0,151	10	603-CC0805JK7R9B B474	0,049	10	
1	TPD4E001DRLR	SOT-6	IC13	1611469	TPD4E001DRLR	0,453	5	296-21887-1-ND	0,590	1	595-TPD4E001DRLR	0,536	1	
1	MMBT5551	SOT-23	Q1	1459109	MMBT5551LT1G	0,154	5	MMBT5551LT1G OSCT-ND	0,180	1	863-MMBT5551LT1G	0,170	1	
1	10K	0805	R24	9237755	RC0805FR-0710KL	0,022	10	311-10.0KCRCT-ND	0,039	10	603-RC0805FR-0710KL	0,014	10	

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42	1	1K5	223-0449	CRG0805F1K5	0,036	50	SMD0805-1K5-1%	0,022	100		1	Farnell	0,007 €	1	0,007
43	4	49R9	679-1462	CRCW080549R9FKEA	0,036	50	RC0805FR-0749R9	0,035	100		4	Farnell	0,009 €	2	0,019
44	9	2K2	679-1207	CRCW08052K20FKEA	0,039	50	SMD0805-2K2-1%	0,022	100		9	TME	0,022 €	2	0,045
45	8	10K	125-1189	CRG0805F10K	0,002	100	RC0805FR-0710K	0,022	100		8	RS	0,002 €	2	0,004
46	2	220R	223-0332	CRG0805F220R	0,018	50	SMD0805-220R-1%	0,022	100		2	RS	0,018 €	2	0,036
47	1	4K87	-				RC0805FR-074K87	0,035	100		1	Farnell	0,016 €	1	0,016
48	4	DR1206-33R-4/8	522-5670	CAY16-330J4LF	0,004	50	DR1206-33R-4/8	0,009	100		4	RS	0,004 €	4	0,016
49	1	LD-BZEL-M1313	-				LD-BZEL-M131	1,580	1		1	TME	1,580 €	1	1,580
50	1	PEC16-2215F-S0024	-				-			1		Mouser	1,220 €	1	1,220
51	1	TL1100CF160Q	-				-			1		Digikey	0,380 €	1	0,380
52	1	ZL263-40DG	154-8342	SSW-120-02-F-D-RA	4,320	1	ZL263-40D	0,680	1	1		TME	0,680 €	1	0,680
53	1	ZL231-16KG	771-8367	61201621721	0,676	5	ZL231-16K	0,135	5	1		TME	0,135 €	1	0,135
54	1	1844249	824-6642	691322110005	0,960	1	-			1		Farnell	0,373 €	1	0,373
55	1	22-23-2061	679-5593	22-23-2061	0,221	10	MX-22-23-2061	0,124	5	1		TME	0,124 €	1	0,124
56	1	LMJTAB881243M-L	-				LMJTAB881243M-L	1,890	1	1		TME	1,890 €	1	1,890
57	1	25 MHz	478-9628	LFXTAL010595	0,764	1	25.00M-SMDHC49R	0,443	2		1	Farnell	0,227 €	1	0,227
58	2	SMAJ18A	710-3443	SMAJ18A-E3/61	0,246	25	SMAJ18A-E3/61	0,100	5		2	Farnell	0,097 €	2	0,193
											10 147	37,34 €			

Not installed / optional															
1	N.C.										1	Farnell	0,000 €	1	0,000
1	100n	264-4630	C0603C104K4R	ACTU	0,035	25	CL10B104KA8NNNC	0,098	100		1	RS	0,035 €	1	0,035
1	470n	174-4499	C0805X474K5R	ECAUTO	0,091	100	CL21B474KBFNNNE	0,027	100		1	TME	0,027 €	1	0,027
1	TPD4E001DRLR	709-9066	TPD4E001DRL	R	0,552	5	-				1	Farnell	0,453 €	3	1,359
1	MMBT5551	545-0400	MMBT5551LT1	G	0,146	10	MMBT5551	0,024	25		1	TME	0,024 €	1	0,024
1	10K	125-1189	CRG0805F10K		0,002	100	RC0805FR-0710K	0,022	100		1	RS	0,002 €	2	0,004

#	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
2	220R		0805	R26, R45	1099795	WCR0805-220RFI	0,019	10	RMCF0805FT22-0RCT-ND	0,020	10	603-RC0805FR-13220RL	0,020	10
1	47K		0805	R29	2447664	MCWR08X4702FT L	0,010	10	RHM47KKCT-ND	0,074	10	603-RC0805FR-0747KL	0,026	10
1	LTST-C170YKT		0805 LED; Yellow	SPEED	2062217	SML-LX0805YC-TR	0,180	5	160-1175-1-ND	0,229	10	859-LTST-C170YKT	0,153	10
1	LTST-C170GKT		0805 LED; Green	VBUS	2322081	150080VS75000	0,171	5	160-1179-1-ND	0,201	10	859-LTST-C170GKT	0,136	10
1	BZX384-B30.115		SOD-323	ZD3	2575164	BZX384-B30	0,157	5	1727-3649-1-ND	0,223	10	771-BZX384-B30115	0,157	10

#### Related parts and accessories

1	4JRED	SW2 button cap; red	-	-	-	-	-	-	-	-	-	612-4J-RD	0,145	1
1	A3131068	SW1 knob without pointer; Ø31x16mm; grey	-	-	-	-	-	-	-	-	-	-	-	-
1	A3231007	SW1 knob cap; blue	-	-	-	-	-	-	-	-	-	-	-	-
1	RFE43BH-AIW-DNS	TFT LCD 4.3"; 480x272; resistive	-	-	-	-	-	-	-	-	-	-	-	-
1	15EDGKN-3.5-05P-14-1000AH	Pluggable terminal block; 3.5mm; push-in, 5-pin	1792972	FMC 1,5/ 5-ST-3,5	3,360	1	277-6248-ND	5,060	1	651-1952296	5,060	1		
1	CR2025	Battery; lithium; 3V; Ø20x2.5mm	1823475	CR 2025 MFR (1BL)	1,710	1	1908-1384-ND	0,230	1	-	-	-	-	-

#### Custom made components

1	PCB 4-layer 139 x 70 mm	ALLPCB.com (Qty of 5)	-
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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.

## EEZ DIB MCU BOM (r1B2, 2019-03-27)

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

#	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 €
2	220R		223-0332	CRG0805F220R	0,018	50	SMD0805-220R-1%	0,022	100		2	RS	0,018 €	2	0,036
1	47K		679-1434	CRCW080547K 0FKEA	0,046	50	SMD0805-47K-1%	0,022	100		1	Farnell	0,010 €	1	0,010
1	LTST-C170YKT		692-0925	LTST-C170YKT	0,206	50	LTST-C170YKT	0,055	10		1	TME	0,055 €	1	0,055
1	LTST-C170GKT		692-0900	LTST-C170GKT	0,211	50	LTST-C170GKT	0,055	10		1	TME	0,055 €	1	0,055
1	BZX384-B30.115		751-3720	BZT52C30S-7-F	0,020	100	BZX384-B30.115	0,029	20		1	RS	0,020 €	1	0,020
<b>Related parts and acces:</b>															
1	4JRED		-	-	-	-	-	-	-			Mouser	0,145 €	1	0,145
1	A3131068		-	-	-	-	A3131068	2,090	1			TME	2,090 €	1	2,090
1	A3231007		-	-	-	-	A3231007	0,715	1			TME	0,715 €	1	0,715
1	RFE43BH-AIW-DNS		-	-	-	-	RFE43BH-AIW-DNS	20,360	1			TME	20,360 €	1	20,360
1	15EDGKN-3.5-05P-14- 1000AH		176-1456	1952296	5,056	1	15EDGKN-3.5-05P-14- 1000AH	1,271	1			TME	1,271 €	1	1,271
1	CR2025		457-4741	CR-2025/BN	1,740	1	BAT-CR2025/RE-B	0,580	1			Digikey	0,230 €	1	0,230
															<b>24,81 €</b>
<b>Custom made componer</b>															
1	PCB 4-layer 139 x 70 mm											ALLPCB	12,800 €	1	12,800
															<b>12,80 €</b>
															<b>Total 74,95 €</b>