

EEZ DIB MCU BOM (r1B2, 2018-10-17)
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	42	100n	0603	C1, C4, C7, C11, C13, C14, C15, C16, C17, C18, C20, C23, C24, C25, C26, C27, C28, C29, C32, C35, C36, C38, C39, C40, C41, C42, C43, C44, C49, C53, C55, C59, C60, C61, C62, C63, C64, C65, C67, C68, C69, C70	2522597	C0603C104K4RAC7081	0,073	10	490-4774-1-ND	0,090	100	80-C0603C104M4R	0,085	100
3	1	EEEFK1V470P	Ø6.3 x 5.8 mm	C10	9695850	EEEFK1V470P	0,364	1	PCE3842CT-ND	0,302	10	667-EEE-FK1V470P	0,238	10
4	6	10n	0805	C2, C3, C5, C6, C57, C58										
5	6	1u	0805	C21, C30, C31, C46, C50, C54	2896566	VJ0805Y105KXXTW1BC	0,084	5	587-1283-1-ND	0,090	10	603-CC805MKX7R7B B105	0,062	10
6	3	2u2	0805	C33, C34, C48	1828829	GRM21BR71C225KA12L	0,198	5	1276-2954-1-ND	0,085	10	80-C0805C225M4R ECLR	0,078	10
7	1	10u	1206, Tant.	C66	1457412	T491A106K006AT	0,259	5	399-3683-1-ND	0,238	10	80-T491A106K0067280	0,173	10
8	2	4u7	1206	C37, C45	1907356	C3216X7R1E475K160AC	0,282	5	1276-2970-1-ND	0,199	10	963-EMK316B7475M L-T	0,129	10
9	3	4u7/6.3V	1206, Tant.	C12, C19, C47	2321209	T491A475K006AT	0,421	5	399-9717-1-ND	0,259	10	80-T491A475K006AT	0,184	10
10	2	470n	0805	C51, C52	2896591	VJ0805Y474KXQTW1BC	0,094	5	1276-2966-1-ND	0,151	10	603-CC0805JK7R9B B474	0,049	10
11	2	18p	0603, COG	C8, C9	2896373	VJ0603A180JXACW1BC	0,016	10	1276-1089-1-ND	0,048	10	80-C0603C180J5G7867	0,023	10
12	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
13	1	NSR0240 or RB751V40T1G	SOD-323, low capacitance switching diode	D2	1459171	RB751V40T1G	0,143	5	RB751V40T1GO SCT-ND	0,192	10	863-NSR0240HT1G	0,131	10
14	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
15	1	LCBA-600	0603 ferrite bead; 60R; 100MHz	FB1, FB2	1515746	BLM18PG600SN1D	0,049	10	490-1036-1-ND	0,065	1	810-MMZ1608R600A TD25	0,071	10
16	6	TPD4E001DRLR	SOT-6	IC1, IC6, IC7, IC12, IC14, IC16	1611469	TPD4E001DRLR	0,453	5	296-21887-1-ND	0,590	1	595-TPD4E001DRLR	0,536	1
17	1	TPS2051BDBVR	SOT-23-5	IC10	2296067	TPS2051BDBVR	1,080	1	296-21265-1-ND	1,280	1	595-TPS2051BDBVR	1,220	1
18	1	TPS61169DCKR	SC-70-5	IC11	2542731	TPS61169DCKR	0,661	1	296-40821-1-ND	0,790	1	595-TPS61169DCKR	0,770	1

#	RS Components						TME					Price calculation for 1 set			
	Qty	Part name	Code	Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ	THT	SMD	Best Supplier	Lowest unit price €	Order Qty	Line Cost €
1	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	42	100n	264-4630	C0603C104K4R ACTU	0,035	25	CL10B104KA8NNNC	0,098	100		42	RS	0,035 €	42	1,470
3	1	EEEFK1V470P	537-0657	EEEFK1V470P	0,394	5	EEEFK1V470P	0,130	5		1	TME	0,130 €	1	0,130
4	6	10n									6	Farnell	0,000 €	6	0,000
5	6	1u	451-5770	C0805C105K4R ACTU	0,028	25	CL21B105KOFNNNE	0,010	100		6	TME	0,010 €	6	0,062
6	3	2u2	766-1031	CL21B225KAFN NNF	0,069	100	CL21B225KOFNNNG	0,071	100		3	RS	0,069 €	3	0,207
7	1	10u	136-2614	F930J106MA	0,182	25	T491A106K006AT	0,069	25		1	TME	0,069 €	1	0,069
8	2	4u7	691-1221	C1206C475K3R ACTU	0,232	25	GCM31CR71E475KA5 5L	0,381	10		2	Mouser	0,129 €	2	0,258
9	3	4u7/6.3V	538-2335	T491A475K006A T	0,337	10	T491A475K006AT	0,094	10		3	TME	0,094 €	3	0,281
10	2	470n	174-4499	C0805X474K5R ECAUTO	0,091	100	CL21B474KBFNNNE	0,027	100		2	TME	0,027 €	2	0,053
11	2	18p	147-415	C0603C180J5G ACTU	0,032	50	CL10C180JB8NNNC	0,015	100		2	TME	0,015 €	2	0,030
12	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
13	1	NSR0240 or RB751V40T1G	793-1024	NSR0240HT1G	0,053	100	RB751V40T1G	0,036	25		1	TME	0,036 €	1	0,036
14	2	SM005-60	647-8342	MF-USMF005-2	0,278	10	SM005-60	0,085	10		2	TME	0,085 €	2	0,170
15	1	LCBA-600	724-1429	BLM18PG600S N1D	0,055	10	LCBA-600	0,026	25		1	TME	0,026 €	1	0,026
16	6	TPD4E001DRLR	709-9066	TPD4E001DRLR	0,552	5	-				6	Farnell	0,453 €	3	1,359
17	1	TPS2051BDBVR	662-2384	TPS2051BDBVT	1,284	5	-				1	Farnell	1,080 €	1	1,080
18	1	TPS61169DCKR	-	-			-				1	Farnell	0,661 €	1	0,661

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						Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ
19	1	TPA6205A1DGN	MSOP-8	IC13	2782859	TPA6205A1DGNR	0,683	1	296-21262-1-ND	0,820	1	595-TPA6205A1DGNR	0,791	1
20	1	AR1021-I/SS	SSOP-20	IC15	2218568	AR1021-I/SS	1,470	1	AR1021-I/SS-ND	1,470	1	579-AR1021-I/SS	1,470	1
21	1	DP83848CVV/NOPB	LQFP-48	IC17	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-LD1117ADT33-TR	0,408	1
26	1	IS42S16400J	TSOP-II	IC8	2901167	IS42S16400J-6TLI	2,710	1	IS42S16400J-7TLI	2,050	1	870-IS42S16400J-7TL	1,410	1
27	1	AT24C02D-SSHM-T	SOIC-8	IC9	2421809	AT24C02D-SSHM-T	0,156	1	AT24C02D-SSHM-TCT-ND	0,190	1	556-AT24C02D-SSHM-T	0,162	1
28	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
29	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
30	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
31	1	PCA-6-LA-40-HL-3	SMD; FFC/FPC 40-pin lower side entry	LCD1	2135964	62684-401100ALF	0,591	10	609-1195-1-ND	0,810	1	649-62684-401100ALF	0,731	1
32	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
33	1	1M	0805	R14	2447596	MCWR08X1004FTL	0,009	10	311-1.00MCRCT-ND	0,039	10	603-RC0805FR-071ML	0,026	10
34	1	0R	0805	R17	9233750	RC0805JR-070RL	0,031	10	RC2012J000CS	0,044	10	RC0805JR-070RL	0,022	10
35	1	47R	0805	R18	2861899	CRGCQ0805J47R	0,007	10	P47.0CCT-ND	0,069	10	279-CRGCQ0805F47R	0,028	10
36	4	47K	0805	R19, R26, R27, R40	2447664	MCWR08X4702FTL	0,010	10	RHM47KKCT-ND	0,074	10	603-RC0805FR-0747KL	0,026	10
37	4	22R	0805	R20, R21, R33, R34	1099795	WCR0805-220RFI	0,019	10	RMCF0805FT22ROCT-ND	0,020	10	RC0805FR-07220RL	0,026	10
38	2	10R	0805	R28, R30	9236643	RC1206FR-0710RL	0,050	10	311-10.0CRCT-ND	0,071	10	603-RC1206FR-0710RL	0,034	10
39	3	20K	0805	R36, R39, R41	2447603	MCWR08X2002FTL	0,010	10	541-4133-1-ND	0,040	10	755-KTR10EZPF2002	0,132	10

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19	1	TPA6205A1DGN	812-4268	TPA6205A1DGN	0,815	10	TPA6205A1DGN	0,791	1		1	Farnell	0,683 €	1	0,683
20	1	AR1021-I/SS	768-0776	AR1021-I/SS	1,660	1	AR1021-I/SS	1,830	1		1	Farnell	1,470 €	1	1,470
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	SN74LVC2G34D BVR	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	AT24C02D-SSHM-T	-				AT24C02D-SSHM-T	0,220	3		1	Farnell	0,156 €	1	0,156
28	1	503398-1892	880-1277	503398-1892	2,600	1	MX-503398-1892	0,860	2	1		TME	0,860 €	1	0,860
29	1	67803-8020	720-6618	67803-8020	1,540	5	MX-67803-8020	0,590	1	1		TME	0,590 €	1	0,590
30	1	DLG-0403-4R7	-				DLG-0403-4R7	0,129	10		1	TME	0,129 €	1	0,129
31	1	PCA-6-LA-40-HL-3	771-0098	62684- 401100ALF	0,591	10	PCA-6-LA-40-HL-3	0,690	1		1	Farnell	0,591 €	1	0,591
32	9	4K7	223-0528	CRG0805F4K7	0,010	50	SMD0805-4K7-1%	0,022	100		9	Farnell	0,009 €	9	0,077
33	1	1M	223-0821	CRG0805F1M0	0,020	50	SMD0805-1M-1%	0,022	100		1	Farnell	0,009 €	1	0,009
34	1	0R	679-0800	CRCW08050000 Z0EA	0,023	50	SMD0805-0R	0,018	100		1	TME	0,018 €	1	0,018
35	1	47R	223-0253	CRG0805F47R	0,016	50	SMD0805-47R-1%	0,022	100		1	Farnell	0,007 €	1	0,007
36	4	47K	679-1434	CRCW080547K 0FKEA	0,046	50	SMD0805-47K-1%	0,022	100		4	Farnell	0,010 €	4	0,038
37	4	22R	223-0332	CRG0805F220R	0,024	50	SMD0805-220R-1%	0,022	100		4	Farnell	0,019 €	4	0,076
38	2	10R	740-9085	CR1206-FX- 10R0ELF	0,036	50	CRCW120610R0FKTA BC	0,031	100		2	TME	0,031 €	2	0,062
39	3	20K	679-1077	CRCW080520K 0FKEA	0,430	50	SMD0805-20K-1%	0,022	100		3	Farnell	0,010 €	2	0,019

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40	2	1K	0805	R4, R8	1099800	WCR0805-1K0FI	0,019	10	RC0805FR-071KL	0,039	10	603-RC0805FR-071KL	0,015	10
41	1	1K5	0805	R43	2861908	CRGCQ0805J1K5	0,007	10	541-4161-1-ND	0,041	10	279-CRGCQ0805F1K5	0,085	10
42	4	49R9	0805	R44, R45, R48, R53	2447669	MCWR08X49R9FT-L	0,009	10	311-49.9CRCT-ND	0,039	10	603-RC0805FR-0749R9L	0,026	10
43	9	2K2	0805	R46, R47, R49, R51, R52, R54, R57, R58, R60	9237534	RC0805FR-072K2L	0,037	10	311-2.20KCRCT-ND	0,039	10	603-RC0805FR-072K2L	0,026	10
44	11	10K	0805	R5, R10, R11, R12, R22, R23, R24, R25, R35, R37, R38	9237755	RC0805FR-0710KL	0,022	10	311-10.0KCRCT-ND	0,039	10	603-RC0805FR-0710KL	0,014	10
45	2	220R	0805	R55, R56	1099795	WCR0805-220RFI	0,019	10	RMCF0805FT22ORCT-ND	0,020	10	603-RC0805FR-13220RL	0,020	10
46	1	4K87	0805	R59	1469925	CRCW08054K87FKEA	0,016	10	311-4.87KCRCT-ND	0,039	10	652-CR0805FX-4871ELF	0,037	10
47	4	DR1206-33R-4/8	1206; resistor array	RN1, RN2, RN3, RN4	1770128	CAY16-330J4LF	0,069	10	CAY16-330J4LFACT-ND	0,090	1	652-CAY16-330J4LF	0,085	1
48	1	LD-BZEL-M1313	SMD; loudspeaker 0.7W; 13x13x4mm; 88dB	SP1	-	-	-	-	-	-	-	-	-	-
49	1	PEC16-2215F-S0024	THT; encoder with switch	SW1	-	-	-	-	PEC16-2215F-S0024-ND	1,340	1	652-PEC16-2215FS0024	1,220	1
50	1	TL1100CF160Q	Tactile switch, without cap	SW2	2830627	TL1100CF160Q	0,474	1	EG1822-ND	0,380	1	612-TL1100C	0,442	1
51	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
52	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
53	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
54	1	ZL231-20KG	THT; 20-pin IDC socket; male; angled 90°	X4	2843546	MC-254-20-00-RA-DIP	0,396	1	ED10536-ND	0,530	1	710-61202021721	0,950	1
55	1	LMJTAB881243M-L	THT; RJ45 socket with magnetics and LEDs; shielded	X5	-	-	-	-	-	-	-	Non-Stocked, Call for Quote	-	-
56	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
57	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	C22											
1	470n	0805	C56		2896591	VJ0805Y474KXQT W1BC	0,094	5	1276-2966-1-ND	0,151	10	603-CC0805JK7R9B B474	0,049	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	MMBT5551	SOT-23	Q1		1459109	MMBT5551LT1G	0,154	5	MMBT5551LT1G OSCT-ND	0,180	1	863-MMBT5551LT1G	0,170	1

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40	2	1K	223-0427	CRG0805F1K0	0,017	50	SMD0805-1K-1%	0,022	100		2	Mouser	0,015 €	2	0,030
41	1	1K5	223-0449	CRG0805F1K5	0,036	50	SMD0805-1K5-1%	0,022	100		1	Farnell	0,007 €	1	0,007
42	4	49R9	679-1462	CRCW080549R9FKEA	0,036	50	RC0805FR-0749R9	0,035	100		4	Farnell	0,009 €	2	0,019
43	9	2K2	679-1207	CRCW08052K20FKEA	0,039	50	SMD0805-2K2-1%	0,022	100		9	TME	0,022 €	2	0,045
44	11	10K	125-1189	CRG0805F10K	0,002	100	RC0805FR-0710K	0,022	100		11	RS	0,002 €	2	0,004
45	2	220R	223-0332	CRG0805F220R	0,018	50	SMD0805-220R-1%	0,022	100		2	RS	0,018 €	2	0,036
46	1	4K87	-				RC0805FR-074K87	0,035	100		1	Farnell	0,016 €	1	0,016
47	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
48	1	LD-BZEL-M1313	-				LD-BZEL-M131	1,580	1		1	TME	1,580 €	1	1,580
49	1	PEC16-2215F-S0024	-				-			1		Mouser	1,220 €	1	1,220
50	1	TL1100CF160Q	-				-			1		Digikey	0,380 €	1	0,380
51	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
52	1	ZL231-16KG	771-8367	61201621721	0,676	5	ZL231-16K	0,135	5	1		TME	0,135 €	1	0,135
53	1	1844249	824-6642	691322110005	0,960	1	-			1		Farnell	0,373 €	1	0,373
54	1	ZL231-20KG	771-8376	61202021721	0,946	5	ZL231-20K	0,285	2	1		TME	0,285 €	1	0,285
55	1	LMJTAB881243M-L	-				LMJTAB881243M-L	1,890	1	1		TME	1,890 €	1	1,890
56	1	25 MHz	478-9628	LFXTAL010595	0,764	1	25.00M-SMDHC49R	0,443	2		1	Farnell	0,227 €	1	0,227
57	2	SMAJ18A	710-3443	SMAJ18A-E3/61	0,246	25	SMAJ18A-E3/61	0,100	5		2	Farnell	0,097 €	2	0,193
											10	155			
															36,30 €

Not installed / optional															
1	N.C.										1	Farnell	0,000 €	1	0,000
1	470n	174-4499	C0805X474K5R	ECAUTO	0,091	100	CL21B474KBFNNNE	0,027	100		1	TME	0,027 €	1	0,027
1	LTST-C170GKT	692-0900	LTST-C170GKT		0,211	50	LTST-C170GKT	0,055	10		1	TME	0,055 €	1	0,055
1	MMBT5551	545-0400	MMBT5551LT1	G	0,146	10	MMBT5551	0,024	25		1	TME	0,024 €	1	0,024

#	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	220R		0805	R29	1099795	WCR0805-220RFI	0,019	10	RMCF0805FT22-0RCT-ND	0,020	10	603-RC0805FR-13220RL	0,020	10
2	47K		0805	R31, R32	2447664	MCWR08X4702FT-L	0,010	10	RHM47KKCT-ND	0,074	10	603-RC0805FR-0747KL	0,026	10
1	4K7		0805	R42	2861530	CRGCQ0805F4K7	0,009	10	311-4.70KCRCT-ND	0,090	1	603-RC0805FR-074K7L	0,026	10
1	220R		0805	R50	1099795	WCR0805-220RFI	0,019	10	RMCF0805FT22-0RCT-ND	0,020	10	603-RC0805FR-13220RL	0,020	10
2	LTST-C170YKT		0805 LED; Yellow	SPEED, TOUCH	2062217	SML-LX0805YC-TR	0,180	5	160-1175-1-ND	0,229	10	859-LTST-C170YKT	0,153	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	???	???	???	???	???	???	???	???	???	???	???	???
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, 2018-10-17)

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 €
1	220R		223-0332	CRG0805F220R	0,018	50	SMD0805-220R-1%	0,022	100		1	RS	0,018 €	2	0,036
2	47K		679-1434	CRCW080547K 0FKEA	0,046	50	SMD0805-47K-1%	0,022	100		2	Farnell	0,010 €	2	0,019
1	4K7		223-0528	CRG0805F4K7	0,010	50	SMD0805-4K7-1%	0,022	100		1	Farnell	0,009 €	1	0,009
1	220R		223-0332	CRG0805F220R	0,018	50	SMD0805-220R-1%	0,022	100		1	RS	0,018 €	2	0,036
2	LTST-C170YKT		692-0925	LTST-C170YKT	0,206	50	LTST-C170YKT	0,055	10		2	TME	0,055 €	2	0,109
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

Related parts and acces:

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	???					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
24,81 €															

Custom made componer

1	PCB 4-layer 139 x 70 mm											ALLPCB	12,800 €	1	12,800
12,80 €															

Total 73,91 €