

EEZ DIB MCU BOM (r2B4, 2020-10-27)
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 DS1092-02-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	4p7	0603, C0G	C10, C12	2627469	MC0603N4R7C500CT	0,329	10	311-1740-1-ND	0,054	10	710-885012006049	0,072	10
3	1	EEEFK1V470P	Ø6.3 x 5.8 mm	C13	9695850	EEEFK1V470P	0,364	1	PCE3842CT-ND	0,302	10	667-EEE-FK1V470P	0,238	10
4	3	4u7/6.3V	1206, Tant.	C15, C22, C49	2321209	T491A475K006AT	0,421	5	399-9717-1-ND	0,259	10	80-T491A475K006AT	0,184	10
5	5	1u	0805, C48 must be 25 V or more	C24, C33, C34, C48, C56	2495193	885012207078	0,139	5	1276-1066-1-ND	0,070	10	963-TMK212B7105KG-T	0,050	10
6	4	10n	0805	C3, C4, C6, C7	2896555	VJ0805Y103JXXPW1BC	0,065	10	490-7194-1-ND	0,017	10	710-885012207122	0,036	10
7	3	2u2	0805	C36, C37, C50	1828829	GRM21BR71C225KA12L	0,198	5	1276-2954-1-ND	0,085	10	80-C0805C225M4RECLR	0,078	10
8	3	4u7	1206	C39, C47, C53	1907356	C3216X7R1E475K160AC	0,282	5	1276-2970-1-ND	0,199	10	963-EMK316B7475ML-T	0,129	10
9	36	100n	0603	C5, C14, C16, C17, C18, C19, C20, C21, C23, C26, C27, C28, C29, C30, C31, C32, C35, C40, C41, C42, C43, C44, C45, C46, C52, C55, C58, C59, C60, C61, C62, C63, C65, C66, C67, C68	2522597	C0603C104K4RAC7081	0,073	10	490-4774-1-ND	0,090	100	80-C0603C104M4R	0,085	100
10	1	10u	1206, Tant.	C84	1457412	T491A106K006AT	0,259	5	399-3683-1-ND	0,238	10	80-T491A106K0067280	0,173	10
11	2	18p	0603, C0G	C9, C11	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	RB751V40T1G	SOD-323, low capacitance switching diode	D2	1459171	RB751V40T1G	0,143	5	RB751V40T1GO	0,192	10	863-RB751V40T1G	0,146	10
14	2	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
15	2	TPD4E001DRLR	SOT-5X3 (SOT-563)	IC1, IC10	1611469	TPD4E001DRLR	0,453	5	296-21887-1-ND	0,590	1	595-TPD4E001DRLR	0,536	1
16	1	TSC2007IPW	TSSOP-16	IC12	2769429	TSC2007IPWR	1,700	1	296-27124-1-ND	2,110	1	595-TSC2007IPWR	2,040	1
17	1	DP83848CVV/NOPB	LQFP-48	IC14	1685784	DP83848CVV/NOPB	4,850	1	DP83848CVV/NOPB-ND	4,280	1	926-DP83848CVV/NOPB	4,260	1
18	1	CD74HC4050PWR	TSSOP-16	IC2	1753505	CD74HC4050PW	0,436	5	296-9215-1-ND	0,400	1	595-CD74HC4050PWR	0,376	1
19	1	STM32F769IIT6	LQFP-176	IC3	2849930	STM32F769IIT6	15,100	1	497-16649-ND	14,800	1	511-STM32F769IIT6	14,510	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 DS1092-02-B6P	161-3709	S8401-46	1,454	5	DS1092-02-B6P	0,224	1	1		TME	0,224 €	1	0,224
2	2	4p7	298-9315	C0603C479C5G ACTU	0,024	25	CL10C4R7CB8NNNC	0,024	100		2	RS	0,024 €	2	0,048
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	5	1u	378-665	08052R104K8B B	0,038	25	VJ0805Y105KXXTW1 BC	0,014	100		5	TME	0,014 €	5	0,072
6	4	10n	464-6672	08055C103KAT 2A	0,026	50	CC0805KRX7R9103	0,027	100		4	Digikey	0,017 €	4	0,068
7	3	2u2	766-1031	CL21B225KAFN NNF	0,069	100	CL21B225KOFNNNG	0,071	100		3	RS	0,069 €	3	0,207
8	3	4u7	691-1221	C1206C475K3R ACTU	0,232	25	GCM31CR71E475KA5 5L	0,381	10		3	Mouser	0,129 €	3	0,387
9	36	100n	264-4630	C0603C104K4R ACTU	0,035	25	CL10B104KA8NNNC	0,098	100		36	RS	0,035 €	36	1,260
10	1	10u	136-2614	F930J106MA	0,182	25	T491A106K006AT	0,069	25		1	TME	0,069 €	1	0,069
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	RB751V40T1G	690-0022	RB751V40T1G	0,137	25	RB751V40T1G	0,036	25		1	TME	0,036 €	1	0,036
14	2	BLM18AG102SH1D	839-0803	BLM18AG102S H1D	0,043	100	BLM18AG102SH1D	0,016	50		2	TME	0,016 €	2	0,031
15	2	TPD4E001DRLR	709-9066	TPD4E001DRL R	0,552	5	-				2	Farnell	0,453 €	3	1,359
16	1	TSC2007IPW	661-3545	TSC2007IPW	2,340	1	-		1		1	Farnell	1,700 €	1	1,700
17	1	DP83848CVV/NOPB	651-5738	DP83848CVV/N OPB	4,310	1	DP83848CVV/NOPB	3,000	1		1	TME	3,000 €	1	3,000
18	1	CD74HC4050PWR	662-7131	CD74HC4050P WR	0,309	10	-				1	RS	0,309 €	1	0,309
19	1	STM32F769IIT6	-				STM32F769IIT6	13,010	400		1	TME	13,010 €	1	13,010

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20	1	LD1117ADT33TR	TO-252 (DPAK)	IC4	2849768	LD1117ADT33TR	0,419	1	497-3455-1-ND	0,420	1	511-LD1117ADT33-TR	0,408	1
21	1	IS42S16400J-7TL	TSOP-II	IC6	-				IS42S16400J-7TLI	2,050	1	870-IS42S16400J-7TL	1,410	1
22	1	AT24C256C-SSHL-B	SOIC-8	IC7	1972001	AT24C256C-SSHL-B	0,685	1	AT24C256C-SSHL-B-ND	0,540	1	556-AT24C256C-SSHL-B	0,541	1
23	1	TPS2051BDBVR	SOT-23-5	IC8	2296067	TPS2051BDBVR	1,080	1	296-21265-1-ND	1,280	1	595-TPS2051BDBVR	1,220	1
24	1	TPS61169DCKR	SC-70-5	IC9	2542731	TPS61169DCKR	0,661	1	296-40821-1-ND	0,790	1	595-TPS61169DCKR	0,770	1
25	1	503398-1892	Micro SD, push-push, 8-pin	J1	2358234	503398-1892	1,980	1	WM11190CT-ND	2,160	1	538-503398-	1,960	1
26	1	67803-8020	USB mini AB, OTG, 5-pin	J2	1355761	67803-8020	1,470	1	WM17148CT-ND	1,790	1	538-67803-8020	1,790	1
27	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
28	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
29	1	2N27002	SOT-23	Q2	1713823	2N7002-7-F	0,118	5	2N7002LT1GOSCT-ND	0,150	1	863-2N7002LT1G	0,128	1
30	8	4K7	0805	R1, R3, R4, R6, R7, R8, R11, R14	2861530	CRGCQ0805F4K7	0,009	10	311-4.70KCRCT-ND	0,090	1	603-RC0805FR-074K7L	0,026	10
31	1	47R	0805	R17	2861899	CRGCQ0805J47R	0,007	10	P47.0CCT-ND	0,069	10	279-CRGCQ0805F47R	0,028	10
32	5	10K	0805	R2, R10, R12, R13, R30	9237755	RC0805FR-0710KL	0,022	10	311-10.0KCRCT-ND	0,039	10	603-RC0805FR-0710KL	0,014	10
33	2	47K	0805	R21, R22	2447664	MCWR08X4702FTL	0,010	10	RHM47KKCT-ND	0,074	10	603-RC0805FR-0747KL	0,026	10
34	2	10R	0805	R23, R25	2447556	MCWR08X10R0FTL	0,007	10	311-10.0CRCT-ND	0,064	10	71-CRCW080510R0FKEAC	0,047	10
35	2	22R	0805	R28, R29	2447609	MCWR08X22R0FTL	0,008	10	311-22.0CRCT-ND	0,036	10	71-CRCW080522R0FKEAC	0,053	10
36	1	1K5	0805	R31	2861908	CRGCQ0805J1K5	0,007	10	541-4161-1-ND	0,041	10	279-CRGCQ0805F1K5	0,085	10
37	4	49R9	0805	R32, R33, R36, R41	2447669	MCWR08X49R9FTL	0,009	10	311-49.9CRCT-ND	0,039	10	603-RC0805FR-0749R9L	0,026	10
38	11	2K2	0805	R15, R16, R34, R35, R37, R39, R40, R42, R45, R46, R48	9237534	RC0805FR-072K2L	0,037	10	311-2.20KCRCT-ND	0,039	10	603-RC0805FR-072K2L	0,026	10
39	2	220R	0805	R43, R44	1099795	WCR0805-220RFI	0,019	10	RMCF0805FT220RCT-ND	0,020	10	603-RC0805FR-13220RL	0,020	10
40	1	4K87	0805	R47	1469925	CRCW08054K87FKEA	0,016	10	311-4.87KCRCT-ND	0,039	10	652-CR0805FX-4871ELF	0,037	10
41	2	1K	0805	R5, R9	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	LD1117ADT33TR	686-9123	LD1117ADT33TR	0,499	10	LD1117ADT33	0,521	3		1	Mouser	0,408 €	1	0,408
21	1	IS42S16400J-7TL	811-5125	IS42S16400J-7TLI	2,565	2	IS42S16400J-7TL	2,050	1		1	Mouser	1,410 €	1	1,410
22	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
23	1	TPS2051BDBVR	662-2384	TPS2051BDBVT	1,284	5	-				1	Farnell	1,080 €	1	1,080
24	1	TPS61169DCKR	-				-				1	Farnell	0,661 €	1	0,661
25	1	503398-1892	880-1277	503398-1892	2,600	1	MX-503398-1892	0,860	2		1	TME	0,860 €	1	0,860
26	1	67803-8020	720-6618	67803-8020	1,540	5	MX-67803-8020	0,590	1		1	TME	0,590 €	1	0,590
27	1	DLG-0403-4R7	-				DLG-0403-4R7	0,129	10		1	TME	0,129 €	1	0,129
28	1	505110-4091	-				-				1	Mouser	1,150 €	1	1,150
29	1	2N27002	545-0012	2N7002LT1G	0,126	50	2N7002LT1G	0,025	25		1	TME	0,025 €	1	0,025
30	8	4K7	223-0528	CRG0805F4K7	0,010	50	SMD0805-4K7-1%	0,022	100		8	Farnell	0,009 €	8	0,069
31	1	47R	223-0253	CRG0805F47R	0,016	50	SMD0805-47R-1%	0,022	100		1	Farnell	0,007 €	1	0,007
32	5	10K	125-1189	CRG0805F10K	0,002	100	RC0805FR-0710K	0,022	100		5	RS	0,002 €	2	0,004
33	2	47K	679-1434	CRCW080547K0FKEA	0,046	50	SMD0805-47K-1%	0,022	100		2	Farnell	0,010 €	2	0,019
34	2	10R	223-0152	CRG0805F10R	0,019	50	0805S8F100JT5E	0,015	100		2	Farnell	0,007 €	2	0,013
35	2	22R	223-0203	CRG0805F22R	0,006	50	0805S8F220JT5E	0,016	100		2	RS	0,006 €	2	0,012
36	1	1K5	223-0449	CRG0805F1K5	0,036	50	SMD0805-1K5-1%	0,022	100		1	Farnell	0,007 €	1	0,007
37	4	49R9	679-1462	CRCW080549R9FKEA	0,036	50	RC0805FR-0749R9	0,035	100		4	Farnell	0,009 €	2	0,019
38	11	2K2	679-1207	CRCW08052K20FKEA	0,039	50	SMD0805-2K2-1%	0,022	100		11	TME	0,022 €	2	0,045
39	2	220R	223-0332	CRG0805F220R	0,018	50	0805S8F2200T5E	0,022	100		2	RS	0,018 €	2	0,036
40	1	4K87	-				RC0805FR-074K87	0,035	100		1	Farnell	0,016 €	1	0,016
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	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
43	1	LD-BZEN 0903	THT; buzzer Ø9 or Ø12 mm	SP1	-				-			-		
44	1	PEC16-2215F-S0024	THT; encoder with switch	SW1	-				PEC16-2215F-S0024-ND	1,340	1	652-PEC16-2215FS0024	1,220	1
45	1	TL1100CF160Q	THT; tactile switch, without cap	SW2	2830627	TL1100CF160Q	0,474	1	EG1822-ND	0,380	1	612-TL1100C	0,442	1
46	1	EVQP7A01P	Tactile micro switch	SW3	2860916	EVQP7A01P	0,268	5	P16763CT-ND	0,270	1	667-EVQP7A01P	0,252	1
47	1	DS1024-2*20R0	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
48	1	DS1013-16SSIB1	THT; 16-pin IDC socket; male	X2	2843530	MC-254-16-00-ST-DIP	0,220	1	ED10523-ND	0,350	1	710-61201621621	0,540	1
49	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
50	1	LMJTAB881243M-L or LMJ30288115CNL	THT; RJ45 socket with magnetics and LEDs; shielded	X5	-				-			Non-Stocked, Call for Quote		
51	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
52	1	XTAL016178-85SMX	SMD; 8.7mm x 3.7mm; XTAL	Y2	1652572	XTAL016178-85SMX	0,440	1	1923-1021-1-ND	0,520	1	449-LFXTAL016178R EEL	0,393	1
53	1	BZX384-B24.115	SOD-323	ZD1	2844814	MM3Z24VST1G	0,130	5	1727-3645-1-ND	0,210	10	771-BZX384-B24115	0,141	10

Not installed / optional													
1	M22-2510246	THT; Connector Header; 2 position; 2.00mm	BOOT1	2289776	M22-2510205	0,096	100	952-2280-ND	0,150	1	855-M22-2510246	0,148	1
2	2n2/1kV	0805	C1, C51	1855965	MC1210B222K102 CT	0,496	5	490-12018-1-ND	0,502	10	710-885342208019	0,121	10
5	N.C.	0603	C2, C25, C38, C54, C57										
1	1n	0805	C8	2896470	VJ0805A102JXAC W1BC	0,044	10	732-7858-1-ND	0,055	10	710-885012007040	0,052	10
3	TPD4E001DRLR	SOT-6	IC5, IC11, 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
2	10K	0805	R18, R26	9237755	RC0805FR-0710KL	0,022	10	311-10.0KCRCT-ND	0,039	10	603-RC0805FR-0710KL	0,014	10
2	22R	0805	R19, R20	1099795	WCR0805-220RFI	0,019	10	RMCF0805FT22 R0CT-ND	0,020	10	RC0805FR-07220RL	0,026	10
1	330R	0805	R24										
1	47K	0805	R27	2447664	MCWR08X4702FT L	0,010	10	RHM47KKCT-ND	0,074	10	603-RC0805FR-0747KL	0,026	10
1	220R	0805	R38	1099795	WCR0805-220RFI	0,019	10	RMCF0805FT22 ORCT-ND	0,020	10	603-RC0805FR-13220RL	0,020	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

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42	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
43	1	LD-BZEN 0903	-				LD-BZEN-0903	0,498	1	1		TME	0,498 €	1	0,498
44	1	PEC16-2215F-S0024	-				-			1		Mouser	1,220 €	1	1,220
45	1	TL1100CF160Q	-				-			1		Digikey	0,380 €	1	0,380
46	1	EVQP7A01P	178-9272	EVQP7A01P	0,495	20	EVQP7A01P	0,143	5		1	TME	0,143 €	1	0,143
47	1	DS1024-2*20R0	154-8342	SSW-120-02-F-D-RA	4,320	1	DS1024-2*20R0	0,680	1	1		TME	0,680 €	1	0,680
48	1	DS1013-16SSIB1	771-8357	61201621621	0,540	1	DS1013-16SSIB1	0,130	5	1		TME	0,130 €	1	0,130
49	1	691322110005	824-6642	691322110005	0,960	1	-			1		Farnell	0,373 €	1	0,373
50	1	LMJTAB881243M-L or LMJ30288115CNL	-				LMJTAB881243M-L	1,890	1	1		TME	1,890 €	1	1,890
51	1	25 MHz	478-9628	LFXTAL010595	0,764	1	25.00M-SMDHC49R	0,443	2		1	Farnell	0,227 €	1	0,227
52	1	XTAL016178-85SMX	148-4350	LFXTAL016178	0,252	20	32.768K-85SMXR	0,569	2		1	RS	0,252 €	1	0,252
53	1	BZX384-B24.115	822-2217	BZT52C24S-7-F	0,067	50	BZX384-B24.115	0,035	20		1	TME	0,035 €	1	0,035
										8	129	35,24 €			

Not installed / optional															
1	M22-2510246	681-3287	M22-2010205	0,215	10	ZL303-02P	0,012	50		1		TME	0,012 €	1	0,012
2	2n2/1kV	723-6492	GRM31BR73A2 22KW01L	0,246	25	1206B222K102CT	0,030	50		2		TME	0,030 €	2	0,059
5	N.C.									5		Farnell	0,000 €	5	0,000
1	1n	723-6408	GRM2195C1H1 02JA01D	0,031	100	CL21C102JBCNNNC	0,026	100		1		TME	0,026 €	1	0,026
3	TPD4E001DRLR	709-9066	TPD4E001DRL R	0,552	5	-				3		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
2	10K	125-1189	CRG0805F10K	0,002	100	RC0805FR-0710K	0,022	100		2		RS	0,002 €	2	0,004
2	22R	223-0332	CRG0805F220R	0,024	50	SMD0805-220R-1%	0,022	100		2		Farnell	0,019 €	2	0,038
1	330R									1		Farnell	0,000 €	3	0,000
1	47K	679-1434	CRCW080547K 0FKEA	0,046	50	SMD0805-47K-1%	0,022	100		1		Farnell	0,010 €	1	0,010
1	220R	223-0332	CRG0805F220R	0,018	50	SMD0805-220R-1%	0,022	100		1		RS	0,018 €	2	0,036
1	LTST-C170YKT	692-0925	LTST-C170YKT	0,206	50	LTST-C170YKT	0,055	10		1		TME	0,055 €	1	0,055

#	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		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		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

Related parts and accessories

1	4JWHT	SW2 button cap; red	-	-	-	-	-	-	-	-	-	612-4J-WH	0,126	1
1	A1031648	SW1 knob with pointer; Ø31x16mm; grey	-	-	-	-	-	-	-	-	-	-	-	-
1	A1101007	SW1 knob pointer; grey	-	-	-	-	-	-	-	-	-	-	-	-
1	ER-TFT043-8-3023, resistive touchscreen	Buydisplay.com: https://www.buydisplay.com/de	-	-	-	-	-	-	-	-	-	-	-	-
	Display option: 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	Micro SD card	4 GB or 8 GB without adapter	-	-	-	-	-	-	SQF-MSDM1-4G-21C-ND	8,560	1	619-32328	6,980	1
1	CR2032	Battery; lithium; 3V; Ø20x3.2mm	-	-	-	-	-	-	-	-	-	-	-	-

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 (r2B4, 2020-10-27)

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

#	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		LTST-C170GKT	692-0900	LTST-C170GKT	0,211	50	LTST-C170GKT	0,055	10		1	TME	0,055 €	1	0,055
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

Related parts and accessories															
1		4JWHT	-	-	-	-	-	-	-			Mouser	0,126 €	1	0,126
1		A1031648	-	-	-	-	A1031648	1,963	1			TME	1,963 €	1	1,963
1		A1101007	-	-	-	-	A1101007	0,520	1			TME	0,520 €	1	0,520
1		ER-TFT043-8-3023, resistive touchscreen	-	-	-	-	-	-	-			Buydisplay.com	13,700 €	1	13,700
		Display option: RFE43BH-AIW-DNS	-	-	-	-	RFE43BH-AIW-DNS	21,140	1			Farnell		0	0,000
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		Micro SD card	124-1042	MS-C6-8G	12,350	1	M400-0080R11	3,810	1			TME	3,810 €	1	3,810
1		CR2032	186-3376	97384022	0,680	1	BAT-CR2032/EG-B1	0,680	1			RS	0,680 €	1	0,680
															22,07 €

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

Total 70,11 €