

**EEZ DIB MCU BOM (r3B3, 2021-04-11)**  
Project source code at <https://github.com/eez-open/modular-psu>

#	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	1	DS1092-10-W6L	CR2032 cell battery holder	B1	-				732-12325-1-ND	1,690	1	710-79527141	1,680	1
2	2	EEEFK1V220R	Ø5 x 5.8 mm	C1, C14										
3	2	18p	0603, C0G	C10, C12	2896373	VJ0603A180JXAC W1BC	0,016	10	1276-1089-1-ND	0,048	10	80- C0603C180J5G7 867	0,023	10
4	2	4p7	0603, C0G	C11, C13	2627469	MC0603N4R7C500 CT	0,329	10	311-1740-1-ND	0,054	10	710- 885012006049	0,072	10
5	6	2u2	0805	C2, C31, C32, C37, C38, C53	1828829	GRM21BR71C225 KA12L	0,198	5	1276-2954-1-ND	0,085	10	80- C0805C225M4R ECLR	0,078	10
6	5	1u	0805, C48 must be 25 V or more	C24, C34, C35, C51, C58	2495193	885012207078	0,139	5	1276-1066-1-ND	0,070	10	963- TMK212B7105K G-T	0,050	10
7	4	10n	0805	C3, C5, C7, C8	2896555	VJ0805Y103JXXP W1BC	0,065	10	490-7194-1-ND	0,017	10	710- 885012207122	0,036	10
8	40	100n	0603	C4, C6, C9, C15, C16, C17, C18, C19, C20, C21, C22, C23, C25, C26, C27, C28, C29, C30, C33, C36, C40, C42, C43, C44, C45, C46, C47, C48, C55, C57, C60, C61, C62, C63, C64, C65, C67, C68, C69, C70	2522597	C0603C104K4RAC 7081	0,073	10	490-4774-1-ND	0,090	100	80- C0603C104M4R	0,085	100
9	3	4u7	1206	C41, C50, C56	1907356	C3216X7R1E475K 160AC	0,282	5	1276-2970-1-ND	0,199	10	963- EMK316B7475M L-T	0,129	10
10	1	4u7/6.3V	1206, Tant.	C52	2321209	T491A475K006AT	0,421	5	399-9717-1-ND	0,259	10	80- T491A475K006A T	0,184	10
11	1	4n7/1kV	1812	C54	2812609	885342211001	1,120	1	732-12143-1-ND	0,660	10	791- 1812B472K102C T	0,497	1
12	1	10u	1206, Tant.	C66	1457412	T491A106K006AT	0,259	5	399-3683-1-ND	0,238	10	80- T491A106K0067 280	0,173	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	TPD4E001DRLR	SOT-5X3 (SOT-563)	IC1, IC13	1611469	TPD4E001DRLR	0,453	5	296-21887-1-ND	0,590	1	595- TPD4E001DRLR	0,536	1
16	1	TPS2051BDBVR	SOT-23-5	IC11	2296067	TPS2051BDBVR	1,080	1	296-21265-1-ND	1,280	1	595- TPS2051BDBVR	1,220	1
17	1	TPS61169DCKR	SC-70-5	IC12	2542731	TPS61169DCKR	0,661	1	296-40821-1-ND	0,790	1	595- TPS61169DCKR	0,770	1
18	1	TSC2007IPW	TSSOP-16	IC14	2769429	TSC2007IPWR	1,700	1	296-27124-1-ND	2,110	1	595- TSC2007IPWR	2,040	1
19	1	DP83848CVV/NOPB	LQFP-48	IC16	1685784	DP83848CVV/ NOPB	4,850	1	DP83848CVV/ NOPB-ND	4,280	1	926- DP83848CVV/ NOPB	4,260	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	DS1092-10-W6L	184-2347	79527141	1,800	5	DS1092-10-W6L	0,296	10		1	TME	0,296 €	1	0,296
2	2	EEEFK1V220R					EEEFK1V220R	0,156	5		2	TME	0,156 €	2	0,311
3	2	18p	147-415	C0603C180J5G ACTU	0,032	50	CL10C180JB8NNNC	0,015	100		2	TME	0,015 €	2	0,030
4	2	4p7	298-9315	C0603C479C5G ACTU	0,024	25	CL10C4R7CB8NNNC	0,024	100		2	RS	0,024 €	2	0,048
5	6	2u2	766-1031	CL21B225KAFN NNF	0,069	100	CL21B225KOFNNNG	0,071	100		6	RS	0,069 €	6	0,414
6	5	1u	378-665	08052R104K8B B	0,038	25	VJ0805Y105KXXTW1 BC	0,014	100		5	TME	0,014 €	5	0,072
7	4	10n	464-6672	08055C103KAT 2A	0,026	50	CC0805KRX7R9103	0,027	100		4	Digikey	0,017 €	4	0,068
8	40	100n	264-4630	C0603C104K4R ACTU	0,035	25	CL10B104KA8NNNC	0,098	100		40	RS	0,035 €	40	1,400
9	3	4u7	691-1221	C1206C475K3R ACTU	0,232	25	GCM31CR71E475KA5 5L	0,381	10		3	Mouser	0,129 €	3	0,387
10	1	4u7/6.3V	538-2335	T491A475K006A T	0,337	10	T491A475K006AT	0,094	10		1	TME	0,094 €	1	0,094
11	1	4n7/1kV	135-5684	1812GC472KAT 2A	0,706	20	1812B472K202CT	0,237	10		1	TME	0,237 €	1	0,237
12	1	10u	136-2614	F930J106MA	0,182	25	T491A106K006AT	0,069	25		1	TME	0,069 €	1	0,069
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	TPD4E001DRLR	709-9066	TPD4E001DRLR	0,552	5	-				2	Farnell	0,453 €	3	1,359
16	1	TPS2051BDBVR	662-2384	TPS2051BDBVT	1,284	5	-				1	Farnell	1,080 €	1	1,080
17	1	TPS61169DCKR	-				-				1	Farnell	0,661 €	1	0,661
18	1	TSC2007IPW	661-3545	TSC2007IPW	2,340	1	-		1		1	Farnell	1,700 €	1	1,700
19	1	DP83848CVV/NOPB	651-5738	DP83848CVV/ NOPB	4,310	1	DP83848CVV/NOPB	3,000	1		1	TME	3,000 €	1	3,000

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						Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ
20	1	74AUP1G74DC.125	VSSOP-8	IC2	2445023	74AUP1G74DC,125	0,369	1	1727-6029-1-ND	0,430	1	771-AUP1GDC125	0,419	1
21	1	CD74HC4050PWR	TSSOP-16	IC3	1753505	CD74HC4050PW	0,436	5	296-9215-1-ND	0,400	1	595-CD74HC4050PWR	0,376	1
22	1	STM32F769IIT6	LQFP-176	IC4	2849930	STM32F769IIT6	15,100	1	497-16649-ND	14,800	1	511-STM32F769IIT6	14,510	1
23	1	LD1117ADT33TR	TO-252 (DPAK)	IC5	2849768	LD1117ADT33TR	0,419	1	497-3455-1-ND	0,420	1	511-LD1117ADT33-TR	0,408	1
24	1	IS42S16400J	TSOP-II	IC7	2901167	IS42S16400J-6TLI	2,710	1	IS42S16400J-7TLI	2,050	1	870-IS42S16400J-7TL	1,410	1
25	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
26	1	503398-1892	Micro SD, push-push, 8-pin	J1	2358234	503398-1892	1,980	1	WM11190CT-ND	2,160	1	538-503398-1892	1,960	1
27	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
28	2	BLM18AG102SH1D	0603 ferrite bead; 60R; 100MHz	L1, L3	1669708	MMZ1608Y102B	0,072	10	490-7809-1-ND	0,052	50	81-BLM18AG102SH1D	0,063	10
29	1	DLG-0403-4R7	0403 power inductor	L2	1827980	SDR0403-4R7ML	0,406	5	SDR0403-4R7MLCT-ND	0,424	10	652-SDR0403-4R7ML	0,272	10
30	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
31	1	2N27002	SOT-23	Q2	1713823	2N7002-7-F	0,118	5	2N7002LT1GOSCT-ND	0,150	1	863-2N7002LT1G	0,128	1
32	8	4K7	0805	R1, R4, R5, R7, R8, R9, R15, R31	2861530	CRGCQ0805F4K7	0,009	10	311-4.70KCRCT-ND	0,090	1	603-RC0805FR-074K7L	0,026	10
33	3	1K5	0805	R16, R17, R38	2861908	CRGCQ0805J1K5	0,007	10	541-4161-1-ND	0,041	10	279-CRGCQ0805F1K5	0,085	10
34	1	47R	0805	R18	2861899	CRGCQ0805J47R	0,007	10	P47.0CCT-ND	0,069	10	279-CRGCQ0805F47R	0,028	10
35	7	10K	0805	R2, R3, R11, R13, R28, R34, R37	9237755	RC0805FR-0710KL	0,022	10	311-10.0KCRCT-ND	0,039	10	603-RC0805FR-0710KL	0,014	10
36	2	47K	0805	R22, R23	2447664	MCWR08X4702FTL	0,010	10	RHM47KCT-ND	0,074	10	603-RC0805FR-0747KL	0,026	10
37	2	10R	0805	R26, R29	2447556	MCWR08X10R0FTL	0,007	10	311-10.0CRCT-ND	0,064	10	71-CRCW080510R0FKEAC	0,047	10
38	2	22R	0805	R32, R33	2447609	MCWR08X22R0FTL	0,008	10	311-22.0CRCT-ND	0,036	10	71-CRCW080522R0FKEAC	0,053	10
39	2	470K	0805	R35, R36	2447661	MCWR08X4703FTL	0,007	10	A126370CT-ND	0,008	10	71-CRCW0805470KFKEA	0,053	10
40	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

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	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 €
20	1	74AUP1G74DC.125	813-9254	74AUP1G74DC, 125	0,408	20	74AUP1G74DC.125	0,323	3		1	TME	0,323 €	1	0,323
21	1	CD74HC4050PWR	662-7131	CD74HC4050P WR	0,309	10	-				1	RS	0,309 €	1	0,309
22	1	STM32F769IIT6	-				STM32F769IIT6	13,010	400		1	TME	13,010 €	1	13,010
23	1	LD1117ADT33TR	686-9123	LD1117ADT33T R	0,499	10	LD1117ADT33	0,521	3		1	Mouser	0,408 €	1	0,408
24	1	IS42S16400J	811-5125	IS42S16400J- 7TLI	2,565	2	IS42S16400J-7TL	2,050	1		1	Mouser	1,410 €	1	1,410
25	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
26	1	503398-1892	880-1277	503398-1892	2,600	1	MX-503398-1892	0,860	2		1	TME	0,860 €	1	0,860
27	1	67803-8020	720-6618	67803-8020	1,540	5	MX-67803-8020	0,590	1		1	TME	0,590 €	1	0,590
28	2	BLM18AG102SH1D	839-0803	BLM18AG102S H1D	0,043	100	BLM18AG102SH1D	0,016	50		2	TME	0,016 €	2	0,031
29	1	DLG-0403-4R7	-				DLG-0403-4R7	0,129	10		1	TME	0,129 €	1	0,129
30	1	505110-4091	-				-				1	Mouser	1,150 €	1	1,150
31	1	2N27002	545-0012	2N7002LT1G	0,126	50	2N7002LT1G	0,025	25		1	TME	0,025 €	1	0,025
32	8	4K7	223-0528	CRG0805F4K7	0,010	50	SMD0805-4K7-1%	0,022	100		8	Farnell	0,009 €	8	0,069
33	3	1K5	223-0449	CRG0805F1K5	0,036	50	SMD0805-1K5-1%	0,022	100		3	Farnell	0,007 €	3	0,020
34	1	47R	223-0253	CRG0805F47R	0,016	50	SMD0805-47R-1%	0,022	100		1	Farnell	0,007 €	1	0,007
35	7	10K	125-1189	CRG0805F10K	0,002	100	RC0805FR-0710K	0,022	100		7	RS	0,002 €	2	0,004
36	2	47K	679-1434	CRCW080547K 0FKEA	0,046	50	SMD0805-47K-1%	0,022	100		2	Farnell	0,010 €	2	0,019
37	2	10R	223-0152	CRG0805F10R	0,019	50	0805S8F100JT5E	0,015	100		2	Farnell	0,007 €	2	0,013
38	2	22R	223-0203	CRG0805F22R	0,006	50	0805S8F220JT5E	0,016	100		2	RS	0,006 €	2	0,012
39	2	470K	223-0786	CRG0805F470K	0,026	50	0805S8J0474T5E	0,012	100		2	Farnell	0,007 €	2	0,014
40	4	49R9	679-1462	CRCW080549R 9FKEA	0,036	50	RC0805FR-0749R9	0,035	100		4	Farnell	0,009 €	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
41	6	2K2	0805	R42, R47, R49, R52, R53, R55	9237534	RC0805FR-072K2L	0,037	10	311-2.20KCRCT-ND	0,039	10	603-RC0805FR-072K2L	0,026	10
42	2	220R	0805	R50, R51	1099795	WCR0805-220RFI	0,019	10	RMCF0805FT22-0RCT-ND	0,020	10	603-RC0805FR-13220RL	0,020	10
43	1	4K87	0805	R54	1469925	CRCW08054K87F-KEA	0,016	10	311-4.87KCRCT-ND	0,039	10	652-CR0805FX-4871ELF	0,037	10
44	2	1K	0805	R6, R10	1099800	WCR0805-1K0FI	0,019	10	RC0805FR-071KL	0,039	10	603-RC0805FR-071KL	0,015	10
45	7	DR1206-33R-4/8	1206; resistor array	RN1, RN2, RN3, RN4, RN5, RN6, RN7	1770128	CAY16-330J4LF	0,069	10	CAY16-330J4LFCT-ND	0,090	1	652-CAY16-330J4LF	0,085	1
46	1	LD-BZEN 0903	THT; buzzer Ø9 or Ø12 mm	SP1	-	-	-	-	-	-	-	-	-	-
47	1	TL1100CF160Q	THT; tactile switch, without cap	SW1	2830627	TL1100CF160Q	0,474	1	EG1822-ND	0,380	1	612-TL1100C	0,442	1
48	1	PEC16-2215F-S0024	THT; encoder with switch	SW2	-	-	-	-	PEC16-2215F-S0024-ND	1,340	1	652-PEC16-2215FS0024	1,220	1
49	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
50	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
51	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
52	1	LMJTAB881243M-L or LMJ30288115CNL	THT; RJ45 socket with magnetics and LEDs; shielded	X5	-	-	-	-	-	-	-	Non-Stocked, Call for Quote	-	-
53	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
54	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
55	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	N.C.	0805	C1											
2	N.C.	0603	C40, C59											
2	TPD4E001DRLR	SOT-6	IC6, 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	R14, R19	9237755	RC0805FR-0710KL	0,022	10	311-10.0KCRCT-ND	0,039	10	603-RC0805FR-0710KL	0,014	10	
2	22R	0805	R20, R21	1099795	WCR0805-220RFI	0,019	10	RMCF0805FT22-0RCT-ND	0,020	10	RC0805FR-07220RL	0,026	10	
1	330R	0805	R25											
1	47K	0805	R28	2447664	MCWR08X4702FT-L	0,010	10	RHM47KKCT-ND	0,074	10	603-RC0805FR-0747KL	0,026	10	
3	2K2	0805	R37, R40, R41	9237534	RC0805FR-072K2L	0,037	10	311-2.20KCRCT-ND	0,039	10	603-RC0805FR-072K2L	0,026	10	

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41	6	2K2	679-1207	CRCW08052K2 0FKEA	0,039	50	SMD0805-2K2-1%	0,022	100		6	TME	0,022 €	2	0,045
42	2	220R	223-0332	CRG0805F220R	0,018	50	0805S8F2200T5E	0,022	100		2	RS	0,018 €	2	0,036
43	1	4K87	-				RC0805FR-074K87	0,035	100		1	Farnell	0,016 €	1	0,016
44	2	1K	223-0427	CRG0805F1K0	0,017	50	SMD0805-1K-1%	0,022	100		2	Mouser	0,015 €	2	0,030
45	7	DR1206-33R-4/8	522-5670	CAY16-330J4LF	0,004	50	DR1206-33R-4/8	0,009	100		7	RS	0,004 €	7	0,028
46	1	LD-BZEN 0903	-				LD-BZEN-0903	0,498	1	1		TME	0,498 €	1	0,498
47	1	TL1100CF160Q	-				-			1		Digikey	0,380 €	1	0,380
48	1	PEC16-2215F-S0024	-				-			1		Mouser	1,220 €	1	1,220
49	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
50	1	DS1013-16SSIB1	771-8357	61201621621	0,540	1	DS1013-16SSIB1	0,130	5	1		TME	0,130 €	1	0,130
51	1	691322110005	824-6642	691322110005	0,960	1	-			1		Farnell	0,373 €	1	0,373
52	1	LMJTAB881243M-L or LMJ30288115CNL	-				LMJTAB881243M-L	1,890	1	1		TME	1,890 €	1	1,890
53	1	25 MHz	478-9628	LFXTAL010595	0,764	1	25.00M-SMDHC49R	0,443	2		1	Farnell	0,227 €	1	0,227
54	1	XTAL016178-85SMX	148-4350	LFXTAL016178	0,252	20	32.768K-85SMXR	0,569	2		1	RS	0,252 €	1	0,252
55	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
										7	141	36,11 €			

Not installed / optional															
1	N.C.										1	Farnell	0,000 €	1	0,000
2	N.C.										2	Farnell	0,000 €	2	0,000
2	TPD4E001DRLR	709-9066	TPD4E001DRLR	0,552	5	-					2	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
3	2K2	679-1207	CRCW08052K2 0FKEA	0,039	50	SMD0805-2K2-1%	0,022	100			3	TME	0,022 €	2	0,045

#	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	R41	1099795	WCR0805-220RFI	0,019	10	RMCF0805FT22-0RCT-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
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	N.C.			X4										
<b>Related parts and accessories</b>														
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: <a href="https://www.buydisplay.com/de/">https://www.buydisplay.com/de/</a>											
	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	4,900	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) -

*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 (r3B3, 2021-04-11)

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
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	N.C.									1		Farnell	0,000 €	1	0,000
Related parts and acces:															
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											Buydispla y.com	13,700 €	1	13,700
	Display option: RFE43BH-AIW-DNS	-					RFE43BH-AIW-DNS	21,140	1						
1	15EDGKN-3.5-05P-14- 1000AH		176-1456	1952296	5,056	1	15EDGKN-3.5-05P-14- 1000AH	1,245	1			TME	1,245 €	1	1,245
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
															22,04 €
Custom made componer															
1	PCB 4-layer 139 x 70 mm											ALLPCB	12,800 €	1	12,800
															12,80 €

**Total 70,95 €**