

EEZ DIB MIO168 BOM (r1B1, 2020-03-10)
Project source code at <https://github.com/eez-open/dib-mio168>

#	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	52	100n	0603	C1, C2, C3, C4, C5, C10, C13, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C38, C42, C43, C45, C46, C47, C51, C52, C54, C55, C56, C57, C58, C61, C62, C64, C65, C67, C68, C69, C70, C71, C72, C73, C74, C78, C79, C80, C81, C82, C83, C84, C85, C88	2522597	C0603C104K4RAC7081	0.011	10	490-4774-1-ND	0.029	100	80-C0603C104M4R	0.007	100
2	3	2u2	0805	C14, C39, C40	1828829	GRM21BR71C225KA12L	0.198	5	1276-2954-1-ND	0.085	10	80-C0805C225M4RECLR	0.078	10
3	8	4u7	0805	C16, C18, C21, C48, C49, C59, C60, C66	2112841	EMK212B7475KG-T	0.163	5	490-14466-1-ND	0.114	10	963-TMK212AB7475MG-T	0.104	10
4	2	10n	0805	C17, C19	2896555	VJ0805Y103JXXPW1BC	0.065	10	490-7194-1-ND	0.017	10	710-885012207122	0.036	10
5	2	18p	0603, C0G	C22, C23	2896373	VJ0603A180JXACW1BC	0.016	10	1276-1089-1-ND	0.048	10	80-C0603C180J5G7867	0.023	10
6	1	1n	0805	C24	2896470	VJ0805A102JXACW1BC	0.044	10	732-7858-1-ND	0.055	10	710-885012007040	0.052	10
7	1	4u7 tant.	1206	C25	2321209	T491A475K006AT	0.372	1	399-9717-1-ND	0.270	10	80-T491A475K006	0.265	10
8	6	2n2	C0G, 0805	C41, C50, C89, C90, C96, C98	9406220	MCU0805C222JCT	0.130	10	732-7840-1-ND	0.097	10	710-885012007065	0.096	10
9	2	22n	0805	C44, C53	9406360	MCU0805R223KCT	0.065	10	399-1163-1-ND	0.054	10	80-C0805C223K5R	0.038	10
10	3	4n7/1kV	1812	C6, C12, C97	2812609	885342211001	1.120	1	732-12143-1-ND	0.660	10	791-1812B472K102CT	0.497	1
11	1	150n	0805	C63	1759146	MC0805B154K160CT	0.073	5	1276-6476-1-ND	0.058	10	791-0805B154K500CT	0.066	50
12	10	1u	0805	C7, C8, C9, C11, C15, C20, C37, C86, C87, C92	2896566	VJ0805Y105KXXTW1BC	0.084	5	587-1283-1-ND	0.090	10	603-CC805MKX7R7BB105	0.062	10
13	4	10u	1206	C75, C91, C94, C95	3013485	CL21B106KOQNNNE	0.262	10	1276-2872-1-ND	0.207	10	810-CGA4J1X7S1C106KA	0.144	1
14	2	330p	C0G, 0805	C76, C77	1414686	C0805C331J5GAC TU	0.054	10	1276-1189-1-ND	0.049	10	80-C0805C331J5G	0.036	10
15	1	22u	1206	C93	2112754	MC1206X226M100CT	0.616	5	1276-1287-1-ND	0.265	10	963-LMK316ABJ226ML-T	0.155	10
16	14	BAT54SFILM	SOT-23	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14	9801510	BAT54SFILM.	0.243	25	497-2522-1-ND	0.139	25	511-BAT54SFILM	0.214	10

#	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	52	100n	393-6952	VJ0603Y104KXJ AT	0.069	25	CL10B104KA8NNNC	0.098	100		52	Mouser	0.007 €	52	0.364
2	3	2u2	766-1031	CL21B225KAFN NNF	0.069	100	CL21B225KOFNNNG	0.071	100		3	RS	0.069 €	3	0.207
3	8	4u7	184-3708	TMK212ABJ475 KG-T	0.062	50	C0805C475K3RACAU TO	0.242	10		8	RS	0.062 €	8	0.496
4	2	10n	464-6672	08055C103KAT 2A	0.026	50	CC0805KRX7R9103	0.027	100		2	Digikey	0.017 €	2	0.034
5	2	18p	147-415	C0603C180J5G ACTU	0.032	50	CL10C180JB8NNNC	0.015	100		2	TME	0.015 €	2	0.030
6	1	1n	723-6408	GRM2195C1H1 02JA01D	0.031	100	CL21C102JBCNNNC	0.026	100		1	TME	0.026 €	1	0.026
7	1	4u7 tant.	538-2335	T491A475K006A T	0.290	10	T491A475K006AT	0.099	10		1	TME	0.099 €	1	0.099
8	6	2n2	741-4513	C2012C0G1H22 2J060AA	0.039	100	0805N222J500CT	0.081	50		6	RS	0.039 €	6	0.234
9	2	22n	619-8175	LLL215R71E223 MA11L	0.036	25	CL21B223KBANNNC	0.018	100		2	TME	0.018 €	2	0.035
10	3	4n7/1kV	135-5684	1812GC472KAT 2A	0.706	20	1812B472K202CT	0.237	10		3	TME	0.237 €	3	0.711
11	1	150n	198-8144	CC0805KRX7R9 BB154	0.038	100	CC0805KRX7R9BB15 4	0.070	100		1	RS	0.038 €	1	0.038
12	10	1u	451-5770	C0805C105K4R ACTU	0.028	25	CL21B105KOFNNNE	0.010	100		10	TME	0.010 €	10	0.104
13	4	10u	184-3969	EMK212BB7106 MG-T	0.233	50	CL21A106KOQNNNG	0.034	100		4	TME	0.034 €	4	0.137
14	2	330p	176-3198	0805N331J500C T	0.037	200	CL21C331JBANNNC	0.029	100		2	TME	0.029 €	2	0.058
15	1	22u	172-1532	LMK316ABJ226 KL	0.095	50	CL31A226MOCLNNC	0.083	100		1	TME	0.083 €	1	0.083
16	14	BAT54SFILM	189-4412	BAT54SFILMY	0.312	50	BAT54SFILM	0.210	25		14	Digikey	0.139 €	14	1.949

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	Qty	Part name	Package	Reference designator	Code	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ
17	9	BLM18AG102SH1D	0603	FB1, FB2, FB3, FB4, FB5, FB6, FB7, FB8, FB9	1515671	BLM18AG102SN1D	0.053	10	490-7809-1-ND	0.081	10	81-BLM18AG102SH1D	0.063	10
18	1	M24C32-WMN6P	SOIC-8	IC1	1224413	M24C32-WMN6P	0.212	5	-			511-M24C32-WMN6P	0.210	1
19	2	DAC7760IPWPR	HTSSOP-24	IC10, IC11	3005668	DAC7760IPWPR	6.210	1	296-37188-1-ND	5.400	1	595-DAC7760IPWPR	5.630	1
20	2	OPA376AIDBVR	SOT-23-5	IC12, IC35	3004990	OPA376AIDBVR	1.470	1	296-39130-1-ND	1.460	1	595-OPA376AIDBVR	1.520	1
21	1	DAC7563TDGSR	VSSOP-10	IC13	-				296-43287-1-ND	5.290	1	595-DAC7563TDGSR	5.240	1
22	4	BTS3408G	SOIC-8	IC15, IC16, IC17, IC18	2480561	BTS3408GXUMA2	1.520	1	BTS3408GXUMA2CT-ND	1.720	1	726-BTS3408GXUMA2	1.790	1
23	1	74HC126PW,118	TSSOP-14	IC19	2777722	74HC126PW,118	0.355	5	1727-6579-1-ND	0.400	1	771-HC126PW118	0.414	1
24	2	SI8641BB-B-IS1	SOIC-16	IC2, IC3	2423291	SI8641BB-B-IS1	2.140	1	336-2566-ND	2.230	1	634-SI8641BB-B-IS1	2.060	1
25	1	TL431	SOT-23	IC20	3124355	ATL431AIDBZR	0.349	5	296-17332-1-ND	0.270	1	595-TL431IDBZR	0.324	1
26	14	DG468DV-T1-E3	TSOP-6	IC21, IC22, IC23, IC24, IC25, IC26, IC27, IC28, IC29, IC30, IC31, IC32, IC33, IC34	2829411	DG468DV-T1-E3	0.394	1	DG468DV-T1-E3CT-ND	0.689	10	781-DG468DV-E3	0.330	1
27	1	ADS8674IDBT	TSSOP-38	IC36	-				296-42527-5-ND	9.290	1	595-ADS8674IDBT	9.210	1
28	1	L78L12	SOIC-8	IC4	2534306	MC78L12ABDR2G	0.347	5	MC78L12ABDR2GOSCT-ND	0.390	1	595-UA78L12ACDR	0.306	1
29	1	LP2985-33DBVR	SOT-23-5	IC4	1053660	LP2985A-33DBVTE4	0.610	1	296-18476-1-ND	0.540	1	595-LP2985-33DBVR	0.507	1
30	1	LP2985-50DBVR	SOT-23-5	IC5	3007617	LP2985-50DBVR	0.435	5	296-20717-1-ND	0.410	1	595-LP2985-50DBVR	0.450	1
31	1	LP2985-33DBVR	SOT-23-5	IC6	1053660	LP2985A-33DBVTE4	0.610	1	296-18476-1-ND	0.540	1	595-LP2985-33DBVR	0.507	1
32	1	L79L12	SOIC-8	IC7	2318502	MC79L12ABDG	0.219	5	497-7300-1-ND	0.400	1	595-MC79L12ACD	0.387	1
33	1	STM32F446ZCT6	LQFP-144	IC8	2488314	STM32F446ZCT6	7.900	1	497-17473-ND	6.010	1	511-STM32F446ZCT6	7.120	1
34	2	OPA2196IDR	SOIC-8	IC9, IC14	3004863	OPA2196ID	2.230	1	296-48159-1-ND	1.850	1	595-OPA2196IDR	1.940	1
35	1	4907	THT, PCB terminal; 4.8mm	J1	-				36-4907-ND	0.260	1	534-4907	0.257	1
36	3	DLW21SN371SQ2L	0805	L1, L2, L3	-				490-5141-1-ND	0.519	10	81-DLW21SN371SQ2L	0.514	10
37	5	2N7002PS, 115	SC-88 / SOT-363	Q1, Q2, Q3, Q4, Q5	1859846	2N7002PS,115	0.297	5	-			-		
38	8	BSS169	SOT-23	Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13	2480647	BSS169H6327XTS A1	0.323	5	BSS169H6327XTSA1CT-ND	0.299	10	726-BSS169H6327XTSA	0.349	10

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17	9	BLM18AG102SH1D	839-0803	BLM18AG102S H1D	0.043	100	BLM18AG102SH1D	0.016	50		9	TME	0.016 €	9	0.140
18	1	M24C32-WMN6P	686-2453	M24C32- WMN6P	0.180	25	M24C32-WMN6P	0.165	3		1	TME	0.165 €	1	0.165
19	2	DAC7760IPWPR	-				-				2	Digikey	5.400 €	2	10.800
20	2	OPA376AIDBVR	459-550	OPA376AIDBVT	1.714	5	-				2	Digikey	1.460 €	2	2.920
21	1	DAC7563TDGSR	-				-				1	Mouser	5.240 €	1	5.240
22	4	BTS3408G	825-9099	BTS3408GXUM A2	1.298	10	BTS3408GXUMA2	1.230	1		4	TME	1.230 €	4	4.920
23	1	74HC126PW,118	151-3398	74HC123PW,11 8	0.291	50	SN74HC126PW	0.267	3		1	TME	0.267 €	1	0.267
24	2	SI8641BB-B-IS1	823-2126	Si8641BB-B-IS1	2.190	5	-				2	Mouser	2.060 €	2	4.120
25	1	TL431	797-4810	TL431AMFDT,2 15	0.060	50	L431QDBZR.215	0.079	10		1	RS	0.060 €	1	0.060
26	14	DG468DV-T1-E3	710-2917	DG468DV-T1-E3	0.330	5	-				14	Mouser	0.330 €	14	4.620
27	1	ADS8674IDBT	133-0130	ADS8674IDBT	9.000	1	-				1	RS	9.000 €	1	9.000
28	1	L78L12	785-7011	MC78L12ABDG	0.390	2	L78L12ACD13TR	0.072	10		1	TME	0.072 €	1	0.072
29	1	LP2985-33DBVR	660-6733	LP2985-33DBVT	0.737	1	LP2985-33DBVR	0.362	1		1	TME	0.362 €	1	0.362
30	1	LP2985-50DBVR	647-4996	LP2985IM5-5.0/ NOPB	0.710	1	LP2985AIM5-5.0/ NOPB	0.630	1		1	Digikey	0.410 €	1	0.410
31	1	LP2985-33DBVR	660-6733	LP2985-33DBVT	0.737	1	LP2985-33DBVR	0.362	1		1	TME	0.362 €	1	0.362
32	1	L79L12	686-9549	L79L12ACD13T R	0.114	50	L79L12ACD13TR	0.217	3		1	RS	0.114 €	1	0.114
33	1	STM32F446ZCT6	189-4089	STM32F446ZCT 6	6.960	1	-				1	Digikey	6.010 €	1	6.010
34	2	OPA2196IDR	-				-				2	Digikey	1.850 €	2	3.700
35	1	4907	-				61-1537-11/0031	0.049	10	1		TME	0.049 €	1	0.049
36	3	DLW21SN371SQ2L	724-1674	DLW21SN371S Q2L	0.490	10	DLW21SN371SQ2L	0.211	10		3	TME	0.211 €	3	0.633
37	5	2N7002PS, 115	781-6708	2N7002PS,115	0.242	50	2N7002PS.115	0.062	10		5	TME	0.062 €	5	0.310
38	8	BSS169	753-2844	BSS169H6327X TSA1	0.348	25	BSS169H6327XTSA1	0.132	5		8	TME	0.132 €	8	1.056

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39	5	47K	0805	R1, R2, R3, R4, R5	2447664	MCWR08X4702FT L	0.010	10		RHM47KKCT-ND	0.074	10	603-RC0805FR-0747KL	0.026	10
40	6	9K09 0.1%	0805	R16, R18, R21, R22, R24, R28	1810599	ERA6AEB9091V	0.372	10		P9.09KDACT-ND	0.261	10	667-ERJ-PB6B9091V	0.145	10
41	4	75K 0.1%	0805	R17, R23, R25, R29	1670252	ERA6AEB753V	0.285	10		P75KDACT-ND	0.274	10	667-ERA-6AEB753V	0.272	10
42	2	180R	0805	R19, R26	2447583	MCWR08X1800FT L	0.008	10		A126343CT-ND	0.044	10	652-CR0805FX-1800ELF	0.032	10
43	5	100R	0805	R31, R66, R70, R74, R78	2447552	MCWR08X1000FT L	0.008	10		311-100CRCT-ND	0.036	10	652-CR0805FX-1000ELF	0.013	10
44	1	470R	0805	R32	1099798	WCR0805-470RFI	0.019	10		311-470CRCT-ND	0.039	10	71-CRCW0805470R FKEB	0.041	10
45	1	1K8	0805	R33	1100316	WCR0805-1K8FI	0.017	10		A129752CT-ND	0.044	10	652-CR0805FX-1801ELF	0.032	10
46	8	2K7	1206	R34, R35, R36, R37, R38, R39, R40, R41	2447497	MCWR12X2701FT L	0.012	10		311-2.70KFRCT-ND	0.064	10	652-CR1206FX-2701ELF	0.027	10
47	8	27K	0805	R42, R43, R44, R45, R46, R47, R48, R49	2447620	MCWR08X2702FT L	0.008	10		A126356CT-ND	0.044	10	279-CRGCQ0805F27 K	0.043	10
48	12	1K	0805	R50, R51, R52, R53, R54, R55, R56, R57, R61, R69, R73, R77	1099800	WCR0805-1K0FI	0.019	10		RC0805FR-071KL	0.039	10	603-RC0805FR-071KL	0.015	10
49	1	4K7	0805	R6	2861530	CRGCQ0805F4K7	0.012	10		311-4.70KCRCT-ND	0.040	10	603-RC0805FR-074K7L	0.027	10
50	4	1K1	0805	R67, R71, R75, R79	1469847	CRCW08051K00F KEA	0.079	10		RMCF0805FT1K10CT-ND	0.024	10	652-CR0805FX-1101ELF	0.021	10
51	5	10K	0805	R7, R12, R30, R58, R59	9237755	RC0805FR-0710KL	0.022	10		311-10.0KCRCT-ND	0.039	10	603-RC0805FR-0710KL	0.014	10
52	7	47R	0805	R8, R20, R27, R60, R68, R72, R76	2861899	CRGCQ0805J47R	0.007	10		P47.0CCT-ND	0.069	10	279-CRGCQ0805F47 R	0.028	10
53	4	15R	0805	R9, R11, R13, R15	2447576	MCWR08X15R0FT L	0.008	10		RNCP0805FTD15R0CT-ND	0.063	10	652-CR0805FX-15R0ELF	0.038	10
54	4	DR1206-33R-4/8	1206 resistor array	RN1, RN2, RN4, RN5	1770128	CAY16-330J4LF	0.069	10		CAY16-330J4LFCT-ND	0.090	1	652-CAY16-330J4LF	0.085	1
55	1	DR1206-10K-4/8	1206 resistor array	RN3	1770137	CAY16-103J4LF	0.031	10		CAY16-103J4LFCT-ND	0.058	10	652-CAY16-103J4LF	0.021	10
56	1	TBA2-1223	THT; isolated dual output DC-DC converter	TR1	3260026	TBA 2-1223	3.730	1		1951-3440-ND	3.680	1	495-TBA2-1223	3.510	1
57	8	PESD12VL1BA,115	SOD-323	TVS1, TVS2, TVS3, TVS4, TVS5, TVS6, TVS7, TVS8	8737363	PESD12VL1BA,115	0.365	5		1727-3808-1-ND	0.320	10	771-PESD12VL1BA-T/R	0.296	10
58	1	77317-104-28LF	THT, 28-pin 0.1" header right angled	X1	-					S2111EC-14-ND	1.030	1	649-77317-104-28LF	1.540	1
59	2	691327310016	THT, 16-pin 3.81mm terminal block header, male pins	X3, X4	1793077	MCD 1,5/ 8-G1-3,81	5.770	1		732-691327310016-ND	7.810	1	651-1843130	9.270	1
60	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

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39	5	47K	679-1434	CRCW080547K 0FKEA	0.046	50	SMD0805-47K-1%	0.022	100		5	Farnell	0.010 €	5	0.048
40	6	9K09 0.1%	904-8648	ERA6ARB9091V	0.142	100	ERA6AEB9091V	0.081	10		6	TME	0.081 €	6	0.486
41	4	75K 0.1%	828-0673	ERA6AEB753V	0.470	5	ERA6AEB753V	0.081	10		4	TME	0.081 €	4	0.324
42	2	180R	223-0326	CRG0805F180R	0.030	50	0805S8F1800T5E	0.016	100		2	Farnell	0.008 €	2	0.016
43	5	100R	125-1188	CRG0805F100R	0.004	100	0805S8F1000T5E	0.015	100		5	RS	0.004 €	5	0.020
44	1	470R	223-0376	CRG0805F470R	0.021	50	RC0805FR-07470R	0.022	100		1	Farnell	0.019 €	1	0.019
45	1	1K8	679-1033	CRCW08051K8 0FKEA	0.004	50	0805S8J0182T5E	0.014	100		1	RS	0.004 €	1	0.004
46	8	2K7	223-2322	CRG1206F2K7	0.030	50	1206S4F2701T5E	0.019	100		8	Farnell	0.012 €	8	0.097
47	8	27K	223-0613	CRG0805F27K	0.026	50	0805S8F2702T5E	0.016	100		8	Farnell	0.008 €	8	0.062
48	12	1K	223-0427	CRG0805F1K0	0.017	50	RC0805FR-071K	0.022	100		12	Mouser	0.015 €	12	0.180
49	1	4K7	223-0528	CRG0805F4K7	0.023	50	0805S8F4701T5E	0.023	100		1	Farnell	0.012 €	1	0.012
50	4	1K1	679-0986	CRCW08051K1 0FKEA	0.038	50	0805S8J0112T5E	0.014	100		4	TME	0.014 €	4	0.057
51	5	10K	125-1189	CRG0805F10K	0.002	100	RC0805FR-0710K	0.022	100		5	RS	0.002 €	5	0.010
52	7	47R	223-0253	CRG0805F47R	0.016	50	SMD0805-47R-1%	0.022	100		7	Farnell	0.007 €	7	0.046
53	4	15R	679-0914	CRCW080515R 0FKEA	0.004	50	0805S8F150JT5E	0.016	100		4	RS	0.004 €	4	0.016
54	4	DR1206-33R-4/8	522-5670	CAY16-330J4LF	0.004	50	4D03WGJ0330T	0.009	100		4	RS	0.004 €	4	0.016
55	1	DR1206-10K-4/8	522-5585	CAY16-103J4LF	0.012	50	4D03WGJ0103T	0.011	100		1	TME	0.011 €	1	0.011
56	1	TBA2-1223	187-4275	TBA 2-1223	4.000	1	TBA 2-1223	2.970	1		1	TME	2.970 €	1	2.970
57	8	PESD12VL1BA,115	508-024	PESD12VL1BA, 115	0.294	20	PESD12VL1BA.115	0.126	5		8	TME	0.126 €	8	1.008
58	1	77317-104-28LF	-				-			1		Digikey	1.030 €	1	1.030
59	2	691327310016	191-1724	691327310016	7.900	1	-			2		Farnell	5.770 €	2	11.540
60	1	25 MHz	478-9628	LFXTAL010595	0.764	1	25.00M-SMDHC49R	0.443	2		1	Farnell	0.227 €	1	0.227
											1	252			
															64.33 €

#	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

Not installed														
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
6	N.C.	0805	R10, R14, R62, R63, R64, R65											
1	MDD02M-15	THT; isolated dual output DC-DC converter	TR2		-				1866-3384-ND	4.670	1	709-MDD02M-15	5.360	1
1	N.C.		X2											

Related parts and accessories														
2	PMB-1	PCB bracket; polyamide	KK1, KK2		-				-			-		
4	TJ0831530000G	8-pin 3.81mm pluggable terminal block			2579776	EBK-08-B	2.400	1	609-3803-ND	1.760	1	649-220004-D081B01LF	1.530	1

Custom made components														
1	PCB 4-layer 146 x 95 mm				-									

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.

#	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 €
Not installed															
1	503398-1892		880-1277	503398-1892	2.600	1	MX-503398-1892	0.860	2		1	TME	0.860 €	1	0.860
6	N.C.										6	Farnell	0.000 €	6	0.000
1	MDD02M-15		-				MDD02M-15	4.870	1		1	Digikey	4.670 €	1	4.670
1	N.C.										1	Farnell	0.000 €	1	0.000
Related parts and acces:															
2	PMB-1		-				PMB-1	0.072	10			TME	0.072 €	2	0.145
4	TJ0831530000G		-				15EDGK-3.81-08P-14-00A(H)	1.430	1			TME	1.430 €	4	5.720
														5.86 €	
Custom made componer															
1	PCB 4-layer 146 x 95 mm											JLCPCB	11.374 €	1	11.374
														11.37 €	
														Total 81.57 €	