

EEZ DIB MIO168 BOM (r2B5, 2021-03-29)
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	7	1u	0805	C10, C11, C14, C17, C19, C21, C39	2896566	VJ0805Y105KXXT W1BC	0,084	5		587-1283-1-ND	0,090	10	603-CC805MKX7R7B B105	0,062	10
2	40	100n	0603	C2, C3, C4, C5, C6, C13, C16, C18, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C40, C45, C47, C48, C49, C54, C56, C57, C58, C59, C60, C63, C66, C67, C69, C71, C72, C73, C74, C75, C87	2522597	C0603C104K4RAC 7081	0,011	10		490-4774-1-ND	0,029	100	80-C0603C104M4R	0,007	100
3	2	10u	1206	C20, C76	3013485	CL21B106KOQNN NE	0,262	10		1276-2872-1-ND	0,207	10	810-CGA4J1X7S1C1 06KA	0,144	1
4	1	4n7/1kV	1812	C22	2812609	885342211001	1,120	1		732-12143-1-ND	0,660	10	791-1812B472K102C T	0,497	1
5	2	4p7	0603, C0G	C25, C26	2627469	MC0603N4R7C500 CT	0,329	10		311-1740-1-ND	0,054	10	710-885012006049	0,072	10
6	1	4u7 tant.	1206	C27	2321209	T491A475K006AT	0,372	1		399-9717-1-ND	0,270	10	80-T491A475K006	0,265	10
7	2	2n2	0805, C0G	C43, C52	9406220	MCU0805C222JCT	0,130	10		732-7840-1-ND	0,097	10	710-885012007065	0,096	10
8	4	1n	0805, C0G	C44, C53, C64, C70	2896470	VJ0805A102JXAC W1BC	0,044	10		732-7858-1-ND	0,055	10	710-885012007040	0,052	10
9	2	22n	0805	C46, C55	9406360	MCU0805R223KC T	0,065	10		399-1163-1-ND	0,054	10	80-C0805C223K5R	0,038	10
10	1	150n	0805	C65	1759146	MC0805B154K160 CT	0,073	5		1276-6476-1-ND	0,058	10	791-0805B154K500C T	0,066	50
11	3	2u2	0805	C7, C41, C42	1828829	GRM21BR71C225 KA12L	0,198	5		1276-2954-1-ND	0,085	10	80-C0805C225M4R ECLR	0,078	10
12	2	330p	0805, C0G	C76, C77	1414686	C0805C331J5GAC TU	0,054	10		1276-1189-1-ND	0,049	10	80-C0805C331J5G	0,036	10
13	3	100p	0805	C77, C78, C86	2896861	C0805C101JAGAC TU	0,023	10		399-15000-1-ND	0,019	10	80-C0805C101K5G	0,032	10
14	9	4u7	0805	C8, C12, C15, C23, C50, C51, C61, C62, C68	2112841	EMK212B7475KG-T	0,163	5		490-14466-1-ND	0,114	10	963-TMK212AB7475 MG-T	0,104	10
15	8	10n	0805	C9, C79, C80, C81, C82, C83, C84, C85	2896555	VJ0805Y103JXXP W1BC	0,065	10		490-7194-1-ND	0,017	10	710-885012207122	0,036	10
16	12	MBR0530T3G	SOD-123	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D25, D26	2533225	MBR0530T3G	0,337	5		863-MBR0530T3G	0,192	10	MBR0530T3GOS CT-ND	0,241	10
17	10	BAT54SFILM	SOT-23	D15, D16, D17, D18, D19, D20, D21, D22, D23, D24	9801510	BAT54SFILM.	0,243	25		497-2522-1-ND	0,139	25	511-BAT54SFILM	0,214	10
18	1	M24C32-WMN6P	SOIC-8	IC1	1224413	M24C32-WMN6P	0,212	5		-			511-M24C32-WMN6P	0,210	1
19	2	OPA2196IDR	SOIC-8	IC10, IC15	3004863	OPA2196ID	2,230	1		296-48159-1-ND	1,850	1	595-OPA2196IDR	1,940	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	7	1u	451-5770	C0805C105K4R ACTU	0,028	25	CL21B105KOFNNNE	0,010	100		7	TME	0,010 €	7	0,073
2	40	100n	393-6952	VJ0603Y104KXJ AT	0,069	25	CL10B104KA8NNNC	0,098	100		40	Mouser	0,007 €	40	0,280
3	2	10u	184-3969	EMK212BB7106 MG-T	0,233	50	CL21A106KOQNNNG	0,034	100		2	TME	0,034 €	2	0,069
4	1	4n7/1kV	135-5684	1812GC472KAT 2A	0,706	20	1812B472K202CT	0,237	10		1	TME	0,237 €	1	0,237
5	2	4p7	298-9315	C0603C479C5G ACTU	0,024	25	CL10C4R7CB8NNNC	0,024	100		2	RS	0,024 €	2	0,048
6	1	4u7 tant.	538-2335	T491A475K006A T	0,290	10	T491A475K006AT	0,099	10		1	TME	0,099 €	1	0,099
7	2	2n2	741-4513	C2012C0G1H22 2J060AA	0,039	100	0805N222J500CT	0,081	50		2	RS	0,039 €	2	0,078
8	4	1n	723-6408	GRM2195C1H1 02JA01D	0,031	100	CL21C102JBCNNNC	0,026	100		4	TME	0,026 €	4	0,102
9	2	22n	619-8175	LLL215R71E223 MA11L	0,036	25	CL21B223KBANNNC	0,018	100		2	TME	0,018 €	2	0,035
10	1	150n	198-8144	CC0805KRX7R9 BB154	0,038	100	CC0805KRX7R9BB15 4	0,070	100		1	RS	0,038 €	1	0,038
11	3	2u2	766-1031	CL21B225KAFN NNF	0,069	100	CL21B225KOFNNNG	0,071	100		3	RS	0,069 €	3	0,207
12	2	330p	176-3198	0805N331J500C T	0,037	200	CL21C331JBANNNC	0,029	100		2	TME	0,029 €	2	0,058
13	3	100p	461-3997	CC0805JRNPO9 BN101	0,030	50	CL21C101JBANNNC	0,026	100		3	Digikey	0,019 €	3	0,057
14	9	4u7	184-3708	TMK212ABJ475 KG-T	0,062	50	C0805C475K3RACAU TO	0,242	10		9	RS	0,062 €	9	0,558
15	8	10n	464-6672	08055C103KAT 2A	0,026	50	CC0805KRX7R9103	0,027	100		8	Digikey	0,017 €	8	0,136
16	12	MBR0530T3G	791-6069	MBR0530T3G	0,076	100	MBR0530T3G	0,070	10		12	TME	0,070 €	12	0,840
17	10	BAT54SFILM	189-4412	BAT54SFILMY	0,312	50	BAT54SFILM	0,210	25		10	Digikey	0,139 €	10	1,392
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	OPA2196IDR	-	-	-	-	-	-	-		2	Digikey	1,850 €	2	3,700

#	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
20	2	DAC7760IPWPR	HTSSOP-24	IC11, IC12	3005668	DAC7760IPWPR	6,210	1	296-37188-1-ND	5,400	1	595-DAC7760IPWPR	5,630	1
21	1	OPA376AIDBVR	SOT-23-5	IC13	3004990	OPA376AIDBVR	1,470	1	296-39130-1-ND	1,460	1	595-OPA376AIDBVR	1,520	1
22	1	DAC7563TDGSR	VSSOP-10	IC14	-				296-43287-1-ND	5,290	1	595-DAC7563TDGSR	5,240	1
23	4	BTS3408G	SOIC-8	IC16, IC17, IC18, IC19	2480561	BTS3408GXUMA2	1,520	1	BTS3408GXUMA2CT-ND	1,720	1	726-BTS3408GXUMA2	1,790	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	1	DG212BDY-T1-E3	SOIC-16	IC21	1469429	DG212BDY-T1-E3	1,820	1	DG212BDY-T1-E3CT-ND	1,550	1	781-DG212BDY-T1-E3	1,470	1
27	1	74HC126PW,118	TSSOP-14	IC22	2777722	74HC126PW,118	0,355	5	1727-6579-1-ND	0,400	1	771-HC126PW118	0,414	1
28	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
29	1	L78L15	SOIC-8	IC5	2534301	MC78L15ACDR2G	0,390	5	MC78L15ACDR2GOSDKR-ND	0,340	1	863-MC78L15ACDR2G	0,330	1
30	1	SN6505BDBVT	SOT-23-6	IC6	3008491	SN6505BDBVT	2,880	1	296-43154-1-ND	2,550	1	595-SN6505BDBVT	2,480	1
31	1	L79L15	SOIC-8	IC7	2534289	MC79L15ACDR2G	0,370	5	MC79L15ABDR2GOSDKR	0,390	1	863-MC79L15ACDR2G	0,356	1
32	1	STM32F446ZCT6	LQFP-144	IC8	2488314	STM32F446ZCT6	7,900	1	497-17473-ND	6,010	1	511-STM32F446ZCT6	7,120	1
33	1	4907	THT, PCB terminal; 4.8mm	J1	-				36-4907-ND	0,260	1	534-4907	0,257	1
34	2	DS1025-01-1*3P8BV1-B	THT, Pin header 1x3, male, 2mm	JP2, JP3	2289777	M22-2510305	0,133	100	952-1312-ND	0,189	10	855-M22-2510305	0,169	10
35	2	TQ2SS-L2-5V-X	Low profile relay, latching	K1, K2	-				255-2289-2-ND	2,260	500	769-TQ2SS-L2-5V-X	3,720	1
36	1	SRF0905-202Y	???	L1	2112783	SRF0905-202Y	0,960	1	SRF0905-202YCT-ND	1,140	1	652-SRF0905-202Y	0,991	1
37	6	BLM18AG102SH1D	0603	L2, L3, L4, L5, L6, L7	1515671	BLM18AG102SN1D	0,053	10	490-7809-1-ND	0,081	10	81-BLM18AG102SH1D	0,063	10
38	5	2N7002PS,115	SC-88 / SOT-363	Q1, Q2, Q3, Q4, Q5	1859846	2N7002PS,115	0,297	5	-			-		
39	1	2N7002	SOT-23	Q11	1713823	2N7002-7-F	0,118	5	2N7002LT1GOSCT-ND	0,150	1	863-2N7002LT1G	0,128	1
40	2	BSS84P	SOT-23	Q6, Q8	1056526	BSS84PH6327XTSA2	0,224	5	BSS84PH6433XTMA1CT-ND	0,314	10	726-BSS84PH6327XTSA2	0,196	10
41	1	MMBT5401	SOT-23	Q7	2533333	MMBT5401LT3G	0,181	5	MMBT5401-FDICT-ND	0,154	10	621-MMBT5401-F	0,135	10
42	2	MMBT5551	SOT-23	Q9, Q10	1459109	MMBT5551LT1G	0,154	5	MMBT5551LT1GOSCT-ND	0,180	1	863-MMBT5551LT1G	0,170	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 €
20	2	DAC7760IPWPR	-				-				2	Digikey	5,400 €	2	10,800
21	1	OPA376AIDBVR	459-550	OPA376AIDBVT	1,714	5	-				1	Digikey	1,460 €	1	1,460
22	1	DAC7563TDGSR	-				-				1	Mouser	5,240 €	1	5,240
23	4	BTS3408G	825-9099	BTS3408GXUM A2	1,298	10	BTS3408GXUMA2	1,230	1		4	TME	1,230 €	4	4,920
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	1	DG212BDY-T1-E3	710-4780	DG212BDY-T1- E3	1,630	5	-				1	Mouser	1,470 €	1	1,470
27	1	74HC126PW,118	151-3398	74HC123PW,11 8	0,291	50	SN74HC126PW	0,267	3		1	TME	0,267 €	1	0,267
28	1	LP2985-33DBVR	660-6733	LP2985-33DBVT	0,737	1	LP2985-33DBVR	0,362	1		1	TME	0,362 €	1	0,362
29	1	L78L15	688-9272	MC78L15ACDG	0,280	2	L78L15ACD13TR	0,083	5		1	TME	0,083 €	1	0,083
30	1	SN6505BDBVT	133-0701	SN6505BDBVT	2,520	1	-				1	Mouser	2,480 €	1	2,480
31	1	L79L15	785-7140	MC79L15ABDG	0,410	2	MC79L15ACDG	0,230	3		1	TME	0,230 €	1	0,230
32	1	STM32F446ZCT6	189-4089	STM32F446ZCT 6	6,960	1	-				1	Digikey	6,010 €	1	6,010
33	1	4907	-				61-1537-11/0031	0,049	10	1		TME	0,049 €	1	0,049
34	2	DS1025-01-1*3P8BV1-B	681-3281	M22-2010305	0,178	10	DS1025-01-1*3P8BV1- B	0,033	10	2		TME	0,033 €	2	0,067
35	2	TQ2SS-L2-5V-X	-				-				2	Digikey	2,260 €	2	4,520
36	1	SRF0905-202Y	-				-				1	Farnell	0,960 €	1	0,960
37	6	BLM18AG102SH1D	839-0803	BLM18AG102S H1D	0,043	100	BLM18AG102SH1D	0,016	50		6	TME	0,016 €	6	0,094
38	5	2N7002PS,115	781-6708	2N7002PS,115	0,242	50	2N7002PS.115	0,062	10		5	TME	0,062 €	5	0,310
39	1	2N7002	545-0012	2N7002LT1G	0,126	50	2N7002LT1G	0,025	25		1	TME	0,025 €	1	0,025
40	2	BSS84P	-				BSS84P	0,060	10		2	TME	0,060 €	2	0,120
41	1	MMBT5401	739-0546	MMBT5401	0,157	10	MMBT5401	0,024	25		1	TME	0,024 €	1	0,024
42	2	MMBT5551	545-0400	MMBT5551LT1 G	0,146	10	MMBT5551	0,024	25		2	TME	0,024 €	2	0,048

#	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
43	2	470K	0805	R1, R2	2447661	MCWR08X4703FT L	0,007	10	13-RT0805FRE0747 OKLDKR-ND	0,066	10	652-CMP0805-FX-4703L	0,030	100
44	6	9K09 0.1%	0805	R14, R16, R19, R20, R22, R26	1810599	ERA6AEB9091V	0,372	10	P9.09KDACT-ND	0,261	10	667-ERJ-PB6B9091V	0,145	10
45	4	75K 0.1%	0805	R15, R21, R23, R27	1670252	ERA6AEB753V	0,285	10	P75KDACT-ND	0,274	10	667-ERA-6AEB753V	0,272	10
46	2	180R	0805	R17, R24	2447583	MCWR08X1800FT L	0,008	10	A126343CT-ND	0,044	10	652-CR0805FX-1800ELF	0,032	10
47	3	100R	0805	R29, R57, R58	2447552	MCWR08X1000FT L	0,008	10	311-100CRCT-ND	0,036	10	652-CR0805FX-1000ELF	0,013	10
48	2	470R	0805	R30, R62	1099798	WCR0805-470RFI	0,019	10	311-470CRCT-ND	0,039	10	71-CRCW0805470R FKEB	0,041	10
49	1	1K8	0805	R31	1100316	WCR0805-1K8FI	0,017	10	A129752CT-ND	0,044	10	652-CR0805FX-1801ELF	0,032	10
50	8	2K7	1206	R32, R33, R34, R35, R36, R37, R38, R39	2447497	MCWR12X2701FT L	0,012	10	311-2.70KFRCT-ND	0,064	10	652-CR1206FX-2701ELF	0,027	10
51	1	4K7	0805	R4	2861530	CRGCQ0805F4K7	0,012	10	311-4.70KCRCT-ND	0,040	10	603-RC0805FR-074K7L	0,027	10
52	8	27K	0805	R40, R41, R42, R43, R44, R45, R46, R47	2447620	MCWR08X2702FT L	0,008	10	A126356CT-ND	0,044	10	279-CRGCQ0805F27 K	0,043	10
53	10	1K	0805	R48, R49, R50, R51, R52, R53, R54, R55, R56, R57	1099800	WCR0805-1K0FI	0,019	10	RC0805FR-071KL	0,039	10	603-RC0805FR-071KL	0,015	10
54	5	10K	0805	R5, R10, R28, R62, R64	9237755	RC0805FR-0710KL	0,022	10	311-10.0KCRCT-ND	0,039	10	603-RC0805FR-0710KL	0,014	10
55	5	47R	0805	R6, R18, R25, R60, R66	2861899	CRGCQ0805J47R	0,007	10	P47.0CCT-ND	0,069	10	279-CRGCQ0805F47 R	0,028	10
56	2	100K	0805	R61, R65	2447551	MCWR08X1003FT L	0,010	10	RMCF0805FT10 0KCT-ND	0,024	10	71-CRCW0805100K FKEAC	0,040	10
57	4	15R	0805	R7, R9, R11, R13	2447576	MCWR08X15R0FT L	0,008	10	RNCP0805FTD1 5R0CT-ND	0,063	10	652-CR0805FX-15R0ELF	0,038	10
58	4	DR1206-33R-4/8	1206 resistor array	RN1, RN2, RN5, RN6	1770128	CAY16-330J4LF	0,069	10	CAY16-330J4LFCT-ND	0,090	1	652-CAY16-330J4LF	0,085	1
59	1	DR1206-47K-4/8	1206 resistor array	RN3	2787793	CAY16-4702F4LF	0,178	10	CAY16-473J4LF	0,080	10	652-CAY16-473J4LF	0,016	10
60	1	75031537	Push-Pull Transformer	TR1	2907256	75031537	4,550	1	1297-1178-1-ND	2,060	1	710-750315371	2,120	1
61	4	PESD12VL1BA,115	SOD-323	TVS1, TVS2, TVS3, TVS4	8737363	PESD12VL1BA,115	0,365	5	1727-3808-1-ND	0,320	10	771-PESD12VL1BA-T/R	0,296	10
62	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
63	1	691327310016	THT, 16-pin 3.81mm terminal block header, male pins	X3	1793077	MCD 1,5/ 8-G1-3,81	5,770	1	732-691327310016-ND	7,810	1	651-1843130	9,270	1
64	1	691322310008	THT, 8-pin 3.81mm terminal block header, male pin	X4	1705378	EB3-08-B	2,250	1	732-2093-ND	1,360	1	710-691322310008	1,400	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 €
43	2	470K	223-0786	CRG0805F470K	0,026	50	0805S8F4703T5E	0,014	100		2	Farnell	0,007 €	2	0,015
44	6	9K09 0.1%	904-8648	ERA6ARB9091V	0,142	100	ERA6AEB9091V	0,081	10		6	TME	0,081 €	6	0,486
45	4	75K 0.1%	828-0673	ERA6AEB753V	0,470	5	ERA6AEB753V	0,081	10		4	TME	0,081 €	4	0,324
46	2	180R	223-0326	CRG0805F180R	0,030	50	0805S8F1800T5E	0,016	100		2	Farnell	0,008 €	2	0,016
47	3	100R	125-1188	CRG0805F100R	0,004	100	0805S8F1000T5E	0,015	100		3	RS	0,004 €	3	0,012
48	2	470R	223-0376	CRG0805F470R	0,021	50	RC0805FR-07470R	0,022	100		2	Farnell	0,019 €	2	0,038
49	1	1K8	679-1033	CRCW08051K8 0FKEA	0,004	50	0805S8J0182T5E	0,014	100		1	RS	0,004 €	1	0,004
50	8	2K7	223-2322	CRG1206F2K7	0,030	50	1206S4F2701T5E	0,019	100		8	Farnell	0,012 €	8	0,097
51	1	4K7	223-0528	CRG0805F4K7	0,023	50	0805S8F4701T5E	0,023	100		1	Farnell	0,012 €	1	0,012
52	8	27K	223-0613	CRG0805F27K	0,026	50	0805S8F2702T5E	0,016	100		8	Farnell	0,008 €	8	0,062
53	10	1K	223-0427	CRG0805F1K0	0,017	50	RC0805FR-071K	0,022	100		10	Mouser	0,015 €	10	0,150
54	5	10K	125-1189	CRG0805F10K	0,002	100	RC0805FR-0710K	0,022	100		5	RS	0,002 €	5	0,010
55	5	47R	223-0253	CRG0805F47R	0,016	50	SMD0805-47R-1%	0,022	100		5	Farnell	0,007 €	5	0,033
56	2	100K	223-0691	CRG0805F100K	0,028	50	0805S8F1003T5E	0,015	100		2	Farnell	0,010 €	2	0,019
57	4	15R	679-0914	CRCW080515R 0FKEA	0,004	50	0805S8F150JT5E	0,016	100		4	RS	0,004 €	4	0,016
58	4	DR1206-33R-4/8	522-5670	CAY16-330J4LF	0,004	50	4D03WJ0330T	0,009	100		4	RS	0,004 €	4	0,016
59	1	DR1206-47K-4/8	522-5759	CAY16-473J4LF	0,020	50	4D03WJ0473T	0,013	100		1	TME	0,013 €	1	0,013
60	1	75031537	182-8977	750315371	2,560	1	-				1	Digikey	2,060 €	1	2,060
61	4	PESD12VL1BA,115	508-024	PESD12VL1BA, 115	0,294	20	PESD12VL1BA.115	0,126	5		4	TME	0,126 €	4	0,504
62	1	77317-104-28LF	-				-			1		Digikey	1,030 €	1	1,030
63	1	691327310016	191-1724	691327310016	7,900	1	-			1		Farnell	5,770 €	1	5,770
64	1	691322310008	824-6661	691322310008	1,470	1	15EDGRC-3.81-08P- 14-00A(H)	0,651	1	1		TME	0,651 €	1	0,651

#	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
65	2	DS1014-10RF1B	THT, 10-pin IDC Socket 2mm, X5, X6 angled 90°		-				-			-		
66	2	DS1023-2*14S21	THT, 28-pin 2.54 mm 2x14 receptacle	X7, X8	3570684	SSQ-114-01-T-D	2,680	1	SAM1183-14-ND	2,070	1	200-SSQ11401TD	2,130	1
67	1	LF XTAL026392	16 MHz XTAL; 7.5x5.1x1.4mm	Y1	1276696	LFXTAL026392	1,250	1	1923-1009-ND	0,850	1	449-LFXTAL026392B ULK	0,972	1
68	2	SMAJ16	SMA	ZD1, ZD2	3577011	SMAJ16A-13-F	0,104	5	SMAJ16A-FDICT-ND	0,400	1	621-SMAJ16A-13-F	0,356	1

Not installed														
1	N.C.	0603	C1											
1	N.C.	0805	C24											
4	N.C.	BAT54S	D11, D12, D13, D14											
1	N.C.		IC9											
1	503398-1892	Micro SD, push-push, 8-pin	J2		2358234	503398-1892	1,980	1	WM11190CT-ND	2,160	1	538-503398-1892	1,960	1
3	N.C.	0805	R3, R8, R12											
1	N.C.	0805	RN4											
1	N.C.		X2											

Related parts and accessories														
2	PMB-1	PCB bracket; polyamide	KK1, KK2		-				-			-		
6	JUMPER-2.0/R	2mm jumper												
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 €
65	2	DS1014-10RF1B	-				DS1014-10RF1B	0,220	3	2		TME	0,220 €	2	0,440
66	2	DS1023-2*14S21	207-9041	SSQ-114-01-T-D	2,820	1	DS1023-2*14S21	0,326	2	2		TME	0,326 €	2	0,651
67	1	LF XTAL026392	148-4357	LFXTAL026392	0,960	10	16.00M-12SM	0,950	1		1	Digikey	0,850 €	1	0,850
68	2	SMAJ16	171-9586	SMAJ16A	0,149	25	SMAJ16A-13-F		5		2	Farnell	0,104 €	2	0,208
										10	226	65,37 €			

Not installed															
1	N.C.									1		Farnell	0,000 €	1	0,000
1	N.C.									1		Farnell	0,000 €	1	0,000
4	N.C.									4		Farnell	0,000 €	4	0,000
1	N.C.									1		Farnell	0,000 €	1	0,000
1	503398-1892	880-1277	503398-1892		2,600	1	MX-503398-1892	0,860	2		1	TME	0,860 €	1	0,860
3	N.C.									3		Farnell	0,000 €	3	0,000
1	N.C.									1		Farnell	0,000 €	1	0,000
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
6	JUMPER-2.0/R						JUMPER-2.0/R	0,045	20			TME	0,045 €	6	0,268
4	TJ0831530000G	-					15EDGK-3.81-08P-14-00A(H)	1,430	1			TME	1,430 €	4	5,720
										6,13 €					

Custom made componer															
1	PCB 4-layer 146 x 95 mm											JLCPCB	11,374 €	1	11,374
										11,37 €					

Total 82,88 €