EEZ XMOS evaluation board BOM (r1B5, 2018-02-24)
Project source code at https://github.com/eez-open

#	Qty	Part name	Package	Reference designator	Farnell / Element14					Digi-Key		
					Code	Part Number	Unit price €	MOQ		Part Number	Unit price €	MOQ
1	3	1u	0805	C1, C13, C58								
2	2	120p	0805	C14, C20								
3	3	10n	0805	C15, C16, C18								
4	1	4u7	1206	C2								
5	56	100n	0603	C3, C6, C7, C10, C11, C12, C17, C19, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C33, C34, C35, C36, C37, C38, C39, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C57, C63, C65, C66, C67, C68, C69, C70, C72, C73, C74, C75, C76, C78, C80, C81								
6	2	2u2	0805	C32, C82								
7	3	EEEFK1V220R	22uF 35VDC, 5x5.8mm	C4, C8, C40	9695834	EEEFK1V220R	0,241 €	1				
8	3	EEEFK1C470UR	47uF 35VDC, 5x5.8mm	C5, C9, C41	9695664	EEEFK1C470U	0,241 €	1				
9	2	10u	1210	C56, C77								
10	2	470n	0805	C59, C62								
11	2	4n7	0805	C60, C61								
12	1	220n	0805	C64								
13	1	10u	1206	C71								
14	1	EECS0HD334H	Supercap 10mm	C79	1751930	EECS0HD334H	1,820 €	1				
15	1	NSR0240	SOD123	D1								
16	3	BAS316	SOD323	D2, D3, D4								
17	1	SM050-16 (500mA)	Fuse, 1210	F1								
18	3	60R@100MHz	Ferrite bead, 0603	FB1, FB2, FB3								
19	1	TPS61169DCKR		IC1	2542731	TPS61169DCKR	0,917 €	1				
20	1	IS42S16400J	TSOP-II-54	IC10	2253831	IS42S16400J-7TLI	1,950 €	1				
21	2	SN74CBTLV3257		IC11, IC14	1872789	SN74CBTLV3257PWR	0,801 €	1				
22	1	SN74LVC1G02DBVR		IC12	1287579	SN74LVC1G02DBVR	0,284 €	5				
23	1	AT25SF041-SSHDT	Serial flash, SOIC8	IC13	-							
24	1	TPS2051BDBVR		IC15	2296067	TPS2051BDBVR	1,180 €	1				
25	1	TPD2E001DZDR		IC16	2335446	TPD2E001DZDR	0,506 €	5				
26	1	XE216-512-TQ128-C20		IC18	2499221	XE216-512-TQ128-C20	17,670 €	1				
27	2	TPD4E001DRLR		IC19, IC20	1611469	TPD4E001DRLR	0,570 €	5				
28	3	TPS561208DDCR		IC2, IC4, IC17	2766883	TPS561208DDCT	1,010 €	1				
29	2	74LVC1G07SE-7	SC70	IC21, IC22	1845213	74LVC1G07SE-7	1,530 €	1				
30	1	TPA6205A1DGN		IC23	1697151	TPA6205A1DGN	1,140 €	1				
31	1	DP83848CVV/NOPB		IC24	1685784	DP83848CVV/NOPB	5,460 €	1				

32	1	M95256-WMN6P	SOIC8	IC25	1099712	M95256-WMN6P	0,321 €	1
33	1	PCA21125T/Q900/1,1	TSSOP14	IC27	2400445	PCA21125T/Q900/1,1	1,760 €	1
34	1	MCP23S17-E/SS		IC28	1467675	MCP23S17-E/SS	1,190 €	1
35	3	74VHC595MTC		IC3, IC5, IC26	2453164	74VHC595MT	0,447 €	5
36	1	TPS3808G33DBVR		IC6	1703467	TPS3808G33DBVR	1,590 €	1
37	1	AR1021-I/SS		IC7	2218568	AR1021-I/SS	1,710 €	1
38	1	TPS3808G09DBVR		IC8	2764653	TPS3808G09DBV	1,930 €	1
39	1	74AUP1G74DC.125		IC9	2445023	74AUP1G74DC.125	0,424 €	5
40	1	678038020	USB AB mini socket	J1				
41	1	5033981892	SD Micro; push-push	J2				
42	1	DLG-0403-4R7	Inductor 4.7uH, 0403	L1				
43	3	DLG-0403-2R2	Inductor 2.2uH, 0403	L2, L3, L4				
44	1	PCA-6-LA-40-HL-3	FFC horizontal, 40-pin bottom contacts	LCD1				
45	5	HSMY-C170	LED0805	LED1, LED2, LED3, PWR_3V3, SPEED				
46	2	MOCD217M		OK1, OK2				
47	1	IRLML2246TRPBF		Q1				
48	2	10R	1206	R1, R3				
49	7	47K	0805	R10, R12, R19, R20, R21, R26, R37				
50	3	20K	0805	R11, R32, R38				
51	1	3K3	0805	R17				
52	1	4K7	0805	R18				
53	3	0R	0805	R2, R67, JP1				
54	1	43R2	0805	R22				
55	1	56K	0805	R23				
56	6	33R	0603	R25, R27, R28, R29, R30, R39				
57	2	4R7	0805	R6, R31				
58	4	1K	0805	R33, R34, R65, R66				
59	1	15K	0805	R4				
60	4	49R9	0805	R40, R41, R44, R47				
61	1	22R	0805	R42				
62	5	2K2	0805	R43, R46, R48, R51, R52				
63	5	180R	0805	R5, R45, R49, R50, R54				
64	1	4K87	0603	R53				
65	8	470R	0805	R55, R56, R57, R58, R59, R60, R63, R64				
66	9	10K	0805	R7, R9, R13, R14, R15, R16, R24, R35, R36				
67	2	220R	0805	R61, R62				
68	1	2K7	0805	R8				
69	1	LD-BZEN-0803	Buzzer	SP1				
70	1	1301.9316	Reset switch	SW1				
71	1	FC68149	DC input plug, 5,5/2,5mm	X1				

72	1	SSW-105-02-S-D		X2
73	1	TSW-104-02-S-D_NN		X3
74	1	TSW-103-07-F-D		X4
75	1	ZL231-20KG	20-pin IDC right angle	X5
76	1	22-23-2021		X6
77	1	LMJTAB881243M-L	RJ45 Ethernet jack	X7
78	1	SSW-107-02-S-D		X8
79	1	CFPS-73-24M	Xtal oscillator	XO1
80	1	CFPS-73-25M	Xtal oscillator	XO2
81	1	XTAL016178- 85SMX	RTC xtal	Y1
82	3	P4SMAJ16A-DIO		ZD3, ZD7, ZD8
83	3	P4SMAJ5.0A-DIO		ZD4, ZD5, ZD6
84	1	Option #1: RFE43BH-AIW-DNS	4.3" 480x272 LCD with resistive touch screen	
		Option #2: RFE430Y-AIW-DNS	4.3" 480x272 LCD with resistive touch screen	

Optional / not installed			
1	ZL262-10DG	ETH_W5500_MODULE	MOD1
1	PCA-6G-20-HL-3 or 52746-207	FFC horizontal, 20-pin bottom contacts	X9
1	???	SOD323	ZD2

Mouser			RS Components				TME			THT	SMD	Price calculation for 1 set			
Part Number	Unit price €	MOQ	Code	Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ			Best Supplier	Lowest unit price €	Order Qty	Line Cost €
											3	Farnell	0,000 €	1	0,000 €
											2	Farnell	0,000 €	1	0,000 €
											3	Farnell	0,000 €	1	0,000 €
											1	Farnell	0,000 €	1	0,000 €
											56	Farnell	0,000 €	1	0,000 €
											2	Farnell	0,000 €	1	0,000 €
							EEEFK1V220R	0,126 €	5		3	TME	0,126 €	1	0,126 €
							EEEFK1C470UR	0,173 €	5		3	TME	0,173 €	1	0,173 €
											2	Farnell	0,000 €	1	0,000 €
											2	Farnell	0,000 €	1	0,000 €
											2	Farnell	0,000 €	1	0,000 €
											1	Farnell	0,000 €	1	0,000 €
											1	Farnell	0,000 €	1	0,000 €
							EECS0HD334H	0,950 €	1	1	1	TME	0,950 €	1	0,950 €
											1	Farnell	0,000 €	1	0,000 €
											3	Farnell	0,000 €	1	0,000 €
							SM050-16	0,080 €	10		1	TME	0,080 €	1	0,080 €
							LCBA-600	0,025 €	25		3	TME	0,025 €	1	0,025 €
											1	Farnell	0,917 €	1	0,917 €
							IS42S16400J-7TLI	3,150 €	1		1	Farnell	1,950 €	1	1,950 €
											2	Farnell	0,801 €	1	0,801 €
											1	Farnell	0,284 €	1	0,284 €
							AT25SF041-SSHDT	0,280 €	3		1	TME	0,280 €	1	0,280 €
											1	Farnell	1,180 €	1	1,180 €
											1	Farnell	0,506 €	1	0,506 €
											1	Farnell	17,670 €	1	17,670 €
											2	Farnell	0,570 €	1	0,570 €
											3	Farnell	1,010 €	1	1,010 €
							74LVC1G07SE-7	0,048 €	10		2	TME	0,048 €	1	0,048 €
											1	Farnell	1,140 €	1	1,140 €
											1	Farnell	5,460 €	1	5,460 €

	Part	Price	Qty		Qty	Supplier	Price	Qty		Total
	M95256-WMN6P	0,550 €	1		1	Farnell	0,321 €	1		0,321 €
					1	Farnell	1,760 €	1		1,760 €
	MCP23S17-E/SS	1,130 €	1		1	TME	1,130 €	1		1,130 €
					3	Farnell	0,447 €	1		0,447 €
					1	Farnell	1,590 €	1		1,590 €
	AR1021-I/SS	2,060 €	1		1	Farnell	1,710 €	1		1,710 €
					1	Farnell	1,930 €	1		1,930 €
	74AUP1G74DC.125	0,323 €	3		1	TME	0,323 €	1		0,323 €
	MX-67803-8020	0,610 €	1		1	TME	0,610 €	1		0,610 €
	MX-503398-1892	1,430 €	1		1	TME	1,430 €	1		1,430 €
	DLG-0403-4R7	0,122 €	10		1	TME	0,122 €	1		0,122 €
	DLG-0403-2R2	0,122 €	10		3	TME	0,122 €	1		0,122 €
	PCA-6-LA-40-HL-3	0,650 €			1	TME	0,650 €	1		0,650 €
					5	Farnell	0,000 €	1		0,000 €
					2	Farnell	0,000 €	1		0,000 €
	IRLML2246TRPBF	0,115 €	5		1	TME	0,115 €	1		0,115 €
					2	Farnell	0,000 €	1		0,000 €
					7	Farnell	0,000 €	1		0,000 €
					3	Farnell	0,000 €	1		0,000 €
					1	Farnell	0,000 €	1		0,000 €
					1	Farnell	0,000 €	1		0,000 €
					3	Farnell	0,000 €	1		0,000 €
					1	Farnell	0,000 €	1		0,000 €
					1	Farnell	0,000 €	1		0,000 €
					6	Farnell	0,000 €	1		0,000 €
					2	Farnell	0,000 €	1		0,000 €
					4	Farnell	0,000 €	1		0,000 €
					1	Farnell	0,000 €	1		0,000 €
					4	Farnell	0,000 €	1		0,000 €
					1	Farnell	0,000 €	1		0,000 €
					5	Farnell	0,000 €	1		0,000 €
					5	Farnell	0,000 €	1		0,000 €
					1	Farnell	0,000 €	1		0,000 €
					8	Farnell	0,000 €	1		0,000 €
					9	Farnell	0,000 €	1		0,000 €
					2	Farnell	0,000 €	1		0,000 €
					1	Farnell	0,000 €	1		0,000 €
	LD-BZEN-0803	0,696 €	10		1	TME	0,696 €	1		0,696 €
	1301.9316	0,230 €	10	1	1	TME	0,230 €	1		0,230 €
	FC68149	0,521 €	1	1		TME	0,521 €	1		0,521 €

				1		Farnell	0,000 €	1	0,000 €
				1		Farnell	0,000 €	1	0,000 €
				1		Farnell	0,000 €	1	0,000 €
	ZL231-20KG	0,271 €	2	1		TME	0,271 €	1	0,271 €
				1		Farnell	0,000 €	1	0,000 €
	LMJTAB881243M-L	3,170 €	1	1		TME	3,170 €	1	3,170 €
				1		Farnell	0,000 €	1	0,000 €
	CFPS-73-24M	2,460 €	1		1	TME	2,460 €	1	2,460 €
	CFPS-73-25M	2,460 €	1		1	TME	2,460 €	1	2,460 €
					1	Farnell	0,000 €	1	0,000 €
					3	Farnell	0,000 €	1	0,000 €
					3	Farnell	0,000 €	1	0,000 €
	RFE43BH-AIW-DNS	24,810 €	1	-	-	TME	24,810 €	1	24,810 €
	RFE430Y-AIW-DNS								
	Total components		**10**	**212**				**Total**	**80,048 €**