Project: Mainboard
Tool: kicad
Number of Parts 97

Reference	Quantity	Value	Distributor	Distributor #	Price	Extended Price
Q1	1	FDC638	DigiKey	FDC638PCT-ND	$0.55	$0.55
Q2,Q3	2	FZT788B	DigiKey	FZT788BCT-ND	$1.01	$2.02
F1	1	Fiducial	DigiKey	NA		$0.00
C2,C4	2	6pF	DigiKey	311-1095-1-ND	$0.18	$0.36
C15	1	39pF	DigiKey	1276-1769-1-ND	$0.10	$0.10
C18,C17	2	47pF	DigiKey	1276-1832-1-ND	$0.10	$0.20
C5,C6,C7,C9,C8,C10,C19,C20,C22	9	0.1uF	DigiKey	399-1167-1-ND	$0.11	$0.99
C23	1	0.22uF	DigiKey	587-1287-1-ND	$0.12	$0.12
C3,C1,C14,C13,C12	5	1uF	DigiKey	1276-1275-1-ND	$0.10	$0.50
C21	1	4.7uF	DigiKey	1276-1065-1-ND	$0.21	$0.21
C11	1	22uF Tant	DigiKey	511-1506-1-ND	$1.03	$1.03
C16	1	68uF Tant	DigiKey	478-8414-1-ND	$1.08	$1.08
C24	1	0.1	DigiKey	399-1167-1-ND	$0.11	$0.11
R21,R22	2	0.2, 1W	DigiKey	989-1049-1-ND	$0.61	$1.22
R2	1	0.5,1W	DigiKey	RCWE.51FCT-ND	$0.79	$0.79
R1	1	0.51, 1W	DigiKey	RCWE.51FCT-ND	$0.79	$0.79
R34,R33	2	27	DigiKey	P27ACT-ND	$0.10	$0.20
R30	1	49.9	DigiKey	P49.9KCCT-ND	$0.10	$0.10
R35,R36	2	56	DigiKey	311-56JRCT-ND	$0.10	$0.20
R9	1	730	DigiKey	P732CCT-ND	$0.10	$0.10
R7,R8,R27,R28	4	1k	DigiKey	P1.0KACT-ND	$0.10	$0.40
R10,R12	2	1540	DigiKey	P1.54KCCT-ND	$0.10	$0.20
R11,R13	2	2100	DigiKey	P2.10KCCT-ND	$0.10	$0.20
R16,R17	2	2550	DigiKey	311-2.55KCRCT-ND	$0.10	$0.20
R3	1	4.7k	DigiKey	P10KACT-ND	$0.10	$0.10
R23,R24	2	5k	DigiKey	P4.99KCCT-ND	$0.10	$0.20
R4,R6,R18,R19,R20,R38,R40,R42	8	10k	DigiKey	P10KACT-ND	$0.10	$0.80
R25,R26,R32	3	49.9k	DigiKey	P49.9KCCT-ND	$0.10	$0.30
R31	1	150k	DigiKey	P150KCCT-ND	$0.10	$0.10
R14,R15,R29	3	200k	DigiKey	P200KACT-ND	$0.10	$0.30
R5	1	470k	DigiKey	311-470KCRCT-ND	$0.10	$0.10
H1,H2,H3,H4	4	Mounting_Hole	DigiKey	NA		$0.00

Ref	Qty	Value	Supplier	Part	Price	Ext
L1	1	6.8uH	DigiKey	SRN6045-6R8YCT-ND	$0.43	$0.43
D2	1	LED	DigiKey	160-1404-1-ND	$0.39	$0.39
D5	1	Diode-Shottky	DigiKey	1N5819HW-FDICT-ND	$0.52	$0.52
D6	1	GRN	DigiKey	350-2885-ND	$0.47	$0.47
D7	1	YLW	DigiKey	511-1275-1-ND	$0.62	$0.62
D1,D3,D4	3	1N5819	DigiKey	1N5819HW-FDICT-ND	$0.52	$1.56
U1	1	LTC4412	DigiKey	LTC4412ES6#TRPBFCT-ND	$3.07	$3.07
P1	1	CONN_01X02	DigiKey	ED2740-ND	$0.38	$0.38
U2	1	ATmega328P	DigiKey	ATMEGA328P-AU-ND	$3.58	$3.58
J1	1	ICSP	DigiKey	S2011EC-03-ND	$0.36	$0.36
U3,U4	2	LTC6800	DigiKey	LTC6800HMS8#PBF-ND	$3.12	$6.24
U5	1	ADS1015	DigiKey	296-25227-1-ND	$3.32	$3.32
U6,U7	2	bq2057CTS	DigiKey	296-25916-1-ND	$1.85	$3.70
TH1	1	NTC	DigiKey	BC2384-ND,455-1657-ND	$1.70	$1.70
TH2	1	NTC	DigiKey	BC2384-ND, 455-1657-ND	$1.70	$1.70
U9	1	LMR61428	DigiKey	LMR61428XMM/NOPBCT-N	$1.87	$1.87
U8	1	SM72238	DigiKey	296-39811-5-ND	$1.67	$1.67
U10	1	FT230X	DigiKey	768-1135-1-ND	$2.38	$2.38
J2	1	USB	DigiKey	UE27AC54100-ND	$0.40	$0.40
U11	1	LM75BDP	DigiKey	568-4768-1-ND	$0.74	$0.74
U12	1	HIH6130	DigiKey	480-3651-1-ND	$13.75	$13.75
X1	1	32kHz	DigiKey	300-8744-1-ND	$1.18	$1.18
	1		OSH PARK		$13.78	$13.78
	1		Polycase	WP-33*15	$16.49	$16.49
				TOTAL:		**$93.87**