

CPU Board BOM

Item	Reference	Qty	Manufacturer	Part Number	Description	Distributor	Stock Number	Value	Modifier	Cost	Extended Cost
1	C15	1	AVX Corporation	08051C223KAT2A	Capacitor, Ceramic, 0.022uF, 10%, 100V, X7R, 0805	Digi-Key	478-1360-1-ND	0.022uF	100V	\$0.31	\$0.31
2	C1-8	8	Kemet	C0805C104J5RACTU	Capacitor, Ceramic, 0.1uF, 5%, 50V, X7R, 0805	Digi-Key	399-1171-1-ND	0.1uF	50V	\$0.16	\$1.26
3	C16	1	AVX Corporation	08051C222KAT2A	Capacitor, Ceramic, 2200pF, 10%, 100V, X7R, 0805	Digi-Key	478-1354-1-ND	2200pF	100V	\$0.13	\$0.13
4	C13-14	2	Yageo America	0805CG220J9B200	Capacitor, Ceramic, 22pF, 5%, 50V, C0G, 0805	Digi-Key	311-1103-1-ND	22pF	50V	\$0.10	\$0.21
5	C10-12	3	Kemet	TPSA106K010R0900	Capacitor, Tantalum, 10uF, 10%, 10V, Size A	Digi-Key	478-1751-1-ND	10uF	10V	\$0.87	\$2.61
6	P3	1	AMP/Tyco Electronics	4-103783-0	Connector, Straight Post Breakaway Header, 0.1"	Digi-Key	A26524-40-ND	6-Pins	0.1"	\$3.75	\$3.75
7	P1-2	2	AMP/Tyco Electronics	4-103783-0	Connector, Straight Post Breakaway Header, 0.1"	Digi-Key	A26524-40-ND	2x20 Pins	0.1"	\$3.75	\$7.50
8	X1	1	Abracon Corporation	ABLS-8.000MHZ-B2-T	Crystal, 8.000MHz, SMD	Digi-Key	535-9089-1-ND	8.000MHz	18pF	\$0.70	\$0.70
9	U2	1	National Semiconductor	LP3470IM5-4.00	IC, Voltage Detector & Open Drain Reset, 4V, SOT23-5	Digi-Key	LP3470IM5-4.00CT-ND	4.0V		\$1.92	\$1.92
10	D9	1	LITE-ON INC	LTL1CHKGKNN	LED, Round, 3mm, Green, Clear, T-1	Digi-Key	160-1659-ND	LED-GRN	Green	\$0.17	\$0.17
11	U1	1	Freescale	MC9S12E128MFUE	MPU, 128K Flash, 8K RAM, PWM, 3-Serial, QFP80	Digi-Key	MC9S12E128MFUE-ND	25MHz		\$15.01	\$15.01
12	R5	1	Yageo Corporation	RC0805FR-07470RL	Resistor, 470R, 1%, 0.125W, 0805	Digi-Key	311-470CRCT-ND	470R	1%, 0.125W	\$0.10	\$0.10
13	R1-4	4	Yageo Corporation	RC0805FR-074K7L	Resistor, 4K70, 1%, 0.125W, 0805	Digi-Key	311-4.70KCRCT-ND	4K70	1%, 0.125W	\$0.10	\$0.40
14	R6	1	Yageo Corporation	RC0805FR-074R7L	Resistor, 4R7, 1%, 0.125W, 0805	Digi-Key	311-4.70CRCT-ND	4R7	1%, 0.125W	\$0.10	\$0.10
15	PB1	1	Omron Electronics	B3SN-3012P	Switch, Tactile Push Button, SMD	Digi-key	SW261CT-ND			\$0.94	\$0.94
									Total Cost:		\$35.11