

RavAGE 0.1-alpha							
Bill of Materials							
CPU.SchDoc							
Designator	Manufacturer Part No.	Description	Manufacturer	Element14 Part No.	Qty	Price (ea)	Sub-Total
R1	RC0603FR-073K3L	3k3 Resistor 100mW 1% 0603 (min order qty of 50)	YAGEO (PHYCOMP)	9238549	50	\$0.008	\$0.400
R2, R3, R4, R5, R6	RC0603FR-0710KL	10k Resistor 100mW 1% 0603 (min order qty of 50)	YAGEO (PHYCOMP)	9238603	50	\$0.008	\$0.400
R7	CRCW06032K40FKEA	2k4 Resistor 100mW 1% 0603	VISHAY DRALORIC	1469766	1	\$0.050	\$0.050
R8	RC0603FR-071KL	1k Resistor 100mW 1% 0603 (min order qty of 50)	YAGEO (PHYCOMP)	9238484	50	\$0.008	\$0.400
C1, C2, C3, C4, C5, C6, C11, C12, C13	0603ZC224KAT2A	0.22uF Capacitor X7R Ceramic 10V 10% 0603 (min order qty of 10)	AVX	1327683	10	\$0.106	\$1.060
C7, C8	C0603C180J5GACTU	18pF Capacitor COG/NPO Ceramic 50V 5% 0603 (min order qty of 10)	KEMET	1414620	10	\$0.024	\$0.240
C9	C0603C682K5RACTU	6.8nF Capacitor COG/NPO Ceramic 50V 10% 0603 (min order qty of 10)	KEMET	1414649	10	\$0.026	\$0.260
C10	C0603C681J1GACTU	680pF Capacitor COG/NPO Ceramic 100V 5% 0603 (min order qty of 10)	KEMET	1813442	10	\$0.114	\$1.140
C14, C19	MCCA000255	0.1uF Capacitor X7R Ceramic 10V 10% 0603 (min order qty of 100)	MULTICOMP	1759122	100	\$0.016	\$1.600
C15, C16, C17, C18	100R15X106KV4E	10uF Capacitor MLCC 10V 10% 0805 (min order qty of 10)	JOHANSON DIELECTRICS	1886102	10	\$0.258	\$2.580
D1		LED 0603					\$0.000
J1		BDM Header 2x3 DIL					\$0.000
JP1		Firmware Load Jumper 1x2 SIL					\$0.000
Y1	HCM49 16.000MABJ-UT	Crystal 16.0Mhz 18pF HC49/US	CITIZEN AMERICA	1611734	1	\$1.200	\$1.200
Y2	ABS10-32.768KHZ-T	Crystal 32.768kHz 12.5pF SMD	ABRACON	1633675	1	\$1.800	\$1.800
U1	MC9S12XDP512MAG	IC, MICROCONTROLLER, FREESCALE	FREESCALE	1579847	1	\$39.240	\$39.240
U2	M41T56M6E	IC, RTCC	STMICROELECTRONICS	9882650	1	\$2.400	\$2.400