

No.	Qty.	Reference	Value	Type	Manufacturer Part No.	Notes
Batteries						
1	1	BT1	3.6V Lithium	AA PCB mount		
Capacitors All X7R/X5R, 16V unless otherwise stated						
1	2	C14, C16	12p	0603		
1	2	C2,C3	22p	0603		
1	1	C17	1n	0603, X7R		
1	1	C15	22n	0603		
1	5	C6,C7, C8, C10, C20	100n	0603		
1	1	C18	470n	0603, X7R		
1	7	C1, C4, C5,C9, C11, C12, C13	2u2	0603		
1	1	C19	68u	1206		
Connectors						
1	1	J2	AVR-PDI-6A	3x2 2.54mm SMD		
Inductors						
1	2	L1, L2	0.8R 200mA	0603	Murata BLM18RK102SN1D	
Transistors						
1	2	Q1,Q2	BSS84	SOT-23		P channel FET
Resistors All 1% unless otherwise stated						
1	2	R8, R9	N/A	0603		
1	4	R13, R14, R16,R19	0R	0603		
1	2	R6,R7	33R	0603		
1	2	R4, R5	1k	0603		
1	4	R1,R2, R10, R11	10k	0603, 0.1%		
1	1	R12	47k	0603		
1	3	R3,R15, R17	100k	0603		
1	1	R18	170k	0603		
Integrated Circuits						
1	1	U2	ATXMEGA8E5-A	TQFP-32	ATXMEGA8E5-AU	

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1	1	U1	TPS78228	SOT-23	TPS78228DDCR	2.8V 150mA LDO
1	1	U3	LM4040 2.048V	SOT-23	LM4040D20IDBZTG4	1% voltage reference
1	1	U4	Si473X-D60	QFN-20		
1	1	U5	STWD100NYWY3F	SOT-23		For alternative MAX6866UK23D3S remove R17
1	1	U6	TPL5010	SOT-23		
Crystals						
1	1	Y1	16MHz		TXC - 7B-16.000MEEQ-T	Matched with C2/C3
1	1	Y2	32768Hz		Micro Crystal CC7V-T1A	Matched with C14/C16