

Designator	Part #	Mfg.	Vendor	Vendor p/n	Description
IC1	LM330T-5.0	National	DigiKey	LM330T-5.0-ND	5.0 volt regulator
IC2	ATMEGA16L-8PC	Atmel	DigiKey	ATMEGA16L-8PC-ND	ATMega16 microcontroller
IC3	SN74HCT00N	Texas Instruments	DigiKey	296-1603-5-ND	Quad 2 input NAND
IC4	ST232ABN	STMicroelectronics	DigiKey	497-2055-5-ND	RS232 to TTL interface
JP2 or JP8	IR receiver	Infineon SFH5110 or SFH5111	PDS	SFH5110 or SFH5111	IR 36KHz receiver
D1	1N4004	General Semiconductor	DigiKey	1N4004GICT-ND	1N4004 diode
D2	1N5817-T	Diodes Inc.	DigiKey	1N5817DICT-ND	Schottky diode
D3	1N4004	General Semiconductor	DigiKey	1N4004GICT-ND	1N4004 diode
D4	1N5817-T	Diodes Inc.	DigiKey	1N5817DICT-ND	Schottky diode
Q1	ECS-36-18-1	ECS Inc.	DigiKey	X071-ND	3.6864MHz crystal
Q2	2N3904TFR	Fairchild Semiconductor	DigiKey	2N3904D26ZCT-ND	2N3904 PNP transistor
Q3	2N3904TFR	Fairchild Semiconductor	DigiKey	2N3904D26ZCT-ND	2N3904 PNP transistor
R1	CFR-25JB-10K	Yageo	DigiKey	10KQBK-ND	10K resistor
R2	CFR-25JB-33K	Yageo	DigiKey	33KQBK-ND	33K resistor
R3	CFR-25JB-330R	Yageo	DigiKey	330QBK-ND	330 resistor
R4	CFR-25JB-82R	Yageo	DigiKey	82QBK-ND	82 resistor
R5	CFR-25JB-4K3	Yageo	DigiKey	4.3KQBK-ND	4.3K resistor
R6	CFR-25JB-33K	Yageo	DigiKey	33KQBK-ND	33K resistor
R7	CFR-25JB-4K3	Yageo	DigiKey	4.3KQBK-ND	4.3K resistor
R8	CFR-25JB-33K	Yageo	DigiKey	33KQBK-ND	33K resistor
C1	T350E106K016AS	Kemet	Mouser	80-T350E106K016	10uf 16V capacitor
C2	C315C104M5U5CA	Kemet	DigiKey	399-2127-ND	0.1 ceramic capacitor
C3	K220J15C0GF5TH5	BC Components	DigiKey	BC1034CT-ND	22pf capacitor
C4	K220J15C0GF5TH5	BC Components	DigiKey	BC1034CT-ND	22pf capacitor
C5	C315C104M5U5CA	Kemet	DigiKey	399-2127-ND	0.1 ceramic capacitor
C6	C315C104M5U5CA	Kemet	DigiKey	399-2127-ND	0.1 ceramic capacitor
C7	C315C104M5U5CA	Kemet	DigiKey	399-2127-ND	0.1 ceramic capacitor
C8	C315C104M5U5CA	Kemet	DigiKey	399-2127-ND	0.1 ceramic capacitor
C9	UNUSED	UNUSED	UNUSED	UNUSED	
C10	C315C104M5U5CA	Kemet	DigiKey	399-2127-ND	0.1 ceramic capacitor
C11	C315C104M5U5CA	Kemet	DigiKey	399-2127-ND	0.1 ceramic capacitor

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C12	T350B475K016AS	Kemet	Mouser	80-T350B475K016	4.7uf 16V capacitor
LED1	SSL-LX5093LID	Lumex Opto/Components Inc.	DigiKey	67-1110-ND	20 ma 5mm LED
SKT1	AR14-HZL-TT	Assmann Electronics, Inc	DigiKey	AE7214-ND	14 pin socket
SKT2	AR16-HZL-TT	Assmann Electronics, Inc	DigiKey	AE7216-ND	16 pin socket
SKT3	110-99-640-41-001	Mill-Max Manufacturing Corp.	DigiKey	ED3740-ND	40 pin socket
JP3	22-28-4030	Molex/Waldom Electronics Corp	Mouser	538-22-28-4030	3 pin 0.1 header
JP4	22-28-4030	Molex/Waldom Electronics Corp	Mouser	538-22-28-4030	3 pin 0.1 header
JP5	22-28-4020	Molex/Waldom Electronics Corp	Mouser	538-22-28-4020	2 pin 0.1 header
JP6	22-28-4020	Molex/Waldom Electronics Corp	Mouser	538-22-28-4020	2 pin 0.1 header
JP7	7000-2X3SG		Jameco	115035	2 X 3 0.1 header
JP9	7000-2X5SG		Jameco	67820	2 X 5 0.1 header
PCB	150387H	PDS Engineering	PDS	150387H	Printed circuit board
SHUNT	STC02SYAN	Sullins Electronics Corp.	DigiKey	S9000-ND	Shunt