

Integrated Circuits:

<u>Qty</u>	<u>Part #</u>	<u>Description</u>	<u>Component</u>	<u>Manufacturer</u>	<u>Manufacturer #</u>	<u>Vendor</u>	<u>Vendor #</u>
1	CDP1805ACE	CMOS 8-bit Microprocessor	U1	Harris	CDP1805ACE	Ebay	Various
1	74HC373	Octal D-Latch	U2	Toshiba	TC74HC373APF	Digikey	TC74HC373APF-ND
1	DS1233	IC Supervisor	U3	Maxim	DS1233D-10+	Digikey	DS1233D-10+-ND
2	62256	32KB SRAM	U4,U5	Alliance	AS6C62256-55PCN	Digikey	1450-1033-ND
1	27C256	32KB EPROM	U6	Microchip	AT27C256R-70PU	Digikey	AT27C256R-70PU-ND
1	DS1321	Non-Volatile Memory Controller	U7	Maxim	DS1321+	Mouser	700-DS1321
1	ATF750C	CPLD	U8	Microchip	556-AF750CL15PU	Mouser	556-AF750CL15PU
2	74HC175	Quad D Flip-Flops	U9, U17	Texas Ins	SN74HC175N	Digikey	296-8257-5-ND
2	74HC365	Hex Bus Drivers	U10,U13	Texas Ins	SN74HC365N	Digikey	296-8304-5-ND
1	CDP1877	Prog Interrupt Controller	U11	Harris	CDP1877	Ebay	Various
1	ATF22V10	EE PLD	U12	Microchip	ATF22V10C-10PU	Digikey	ATF22V10C-10PU-ND
1	CDP1854	UART	U14	Harris	CDP1854ACE	Ebay	Various
1	MAX232	RS-232 Transceiver	U15	Texas Ins	MAX232N	Digikey	296-1402-5-ND
1	COM8136	Dual Baud Rate Generator	U16	SMCS	COM8136	Ebay	Various
4	74HC245	Octal Bus Transceiver	U18,U19,U20,U23	Toshiba	TC74HC245APF	Digikey	TC74HC245APF-ND
1	CDP1879	Real Time Clock	U21	RCA	CDP1879CEI	Ebay	Various
1	32768Hz	Crystal Oscillator	U22	Pletronics	P1145-HCM-32.768K	Ebay	P1145-HCM-32.768K
2	CD4049	Hex Inverter	U24,U25	Texas Ins	CD4049UBE	Digikey	296-2055-5-ND
1	74HC240	Octal Buffer Line Driver	U26	Texas Ins	SN74HC240N	Digikey	296-1580-5-ND
1	74HC04	Hex Inverter	U27	Texas Ins	SN74HC04N	Digikey	296-1566-5-ND
1	74HC32	Quad OR Gates	U28	Texas Ins	SN74HC32N	Digikey	296-1589-5-ND
1	74HC14	Hex Inverters, Schmitt Trigger	U29	Texas Ins	SN74HC14N	Digikey	296-1577-5-ND
1	74HC74	Dua D Flip-Flop	U30	Texas Ins	SN74HC74N	Digikey	296-1602-5-ND

Discrete Components:

<u>Qty</u>	<u>Part #</u>	<u>Description</u>	<u>Component</u>	<u>Manufacturer</u>	<u>Manufacturer #</u>	<u>Vendor</u>	<u>Vendor #</u>
2	10M Ohms	Resistor, 5%, 1/8 Watt, Axial	R1,R5	Stackpole	CF18JT10M0	Digikey	CF18JT10MOCT-ND
7	10k Ohms	Resistor, 5%, 1/8 Watt, Axial	R2,R3,R6,R7,R8,R9,R12	Stackpole	CF18JT10K0	Digikey	CF18JT10KOCT-ND
1	1k, 1%	Resistor, 1%, 1/8 Watt, Axial	R4	Stackpole	RNF18FTD1K00	Digikey	RNF18FTD1K00CT-ND
2	560 Ohms	Resistor, 5%, 1/8 Watt, Axial	R10,R11	Stackpole	CF18JT560R	Digikey	CF18JT560RCT-ND
1	4.7k Ohms	Resistor, 5%, 1/8 Watt, Axial	R13	Stackpole	CF18JT4K70	Digikey	CF18JT4K70CT-ND
1	82k Ohms	Resistor, 5%, 1/8 Watt, Axial	R14	Stackpole	CF18JT82K0	Digikey	CF18JT82KOCT-ND
1	18k Ohms	Resistor, 5%, 1/8 Watt, Axial	R15	Stackpole	CF18JT18K0	Digikey	CF18JT18KOCT-ND
3	10k x 9 RP	9 Resistor Array, 10K, SIP	RP1,RP3,RP6	Bourns	4610X-AP1-103LF	Digikey	4610X-AP1-103LFCT-ND
2	10k x 5 RP	5 Resistor Array, Bussed, 10K, SIP	RP2,RP7	Bourns	4606X-101-103LF	Digikey	4606X-1-103LF-ND
1	1N5340	Zener Diode, 6V, 5W	D1	Onsemi	1N5340BRLG	Digikey	1N5340BRLGOSCT-ND
3	1N914	Diode, Small Signal, 100V, 200mA	D2,D3,D4	Onsemi	1N914TR	Digikey	1N914CT-ND
1	2.5MHz	Crystal, 2.5000 MHz	Y1	ECS	ECS-25-S-1X	Digikey	X1003-ND
1	4.9152MHz	Crystal, 4.9152 MHz	Y2	ECS	ECS-49-20-1X	Digikey	X1014-ND
4	22pF	Capacitor, Ceramic Mono, 0.1"	C1,C2,C5,C6	Kemet	C315C220K2G5TA	Digikey	399-13931-ND
4	0.01uF	Capacitor, Ceramic Mono, 0.1"	C3,C4,C11,C12	Kemet	C315C103K5R5TA	Digikey	399-4148-ND

5	1uF	Capacitor, Tantalum, 35V, Radial	C7,C8,C9,C10,C17	Kyocera	TAP105K025SRW	Digikey	478-12959-1-ND
3	1nF	Capacitor, Ceramic Mono, 0.1"	C13,C14,C19	Kemet	C315C102K1R5TA	Digikey	399-4144-ND
1	10uF	Capacitor, Tantalum, 16V	C18	Kyocera	TAP106K016SCS	Digikey	478-1839-ND
2	Deleted	Capacitor, Ceramic Mono	C15,C16		Not Used		
25	0.1uF	Capacitor, Ceramic Mono, 0.1"	C20-C44	Kemet	C320C104K5R5TA	Digikey	399-4264-ND
1	LED	LED, Green 3mm	LED2	Lumex	SSL-LX3044PGD	Digikey	67-1073-ND
4	LED	LED, Red, 3mm	LED1,LED3,LED4,LED5	Everlight	HLMP1301	Digikey	1080-1041-ND
	7 Segment	7 Segment, Green, 0.40", Common					
1	Display	Anode, 2.06V, 10ma, DIP-14	DISP1	HP	HDSP-311G	Jameco	2320639
1	Fuse, 5A	FUSE BRD MNT 5A 125VAC/VDC AXIAL	F1	Littlefuse	0251005.NRT1L	Digikey	F5566CT-ND

Sockets, Switches and Connectors

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1	DIP-14, 0.3"	DIP socket 14 pin 0.3"	7 Seg Display	On Shore	ED14DT	Digikey	ED3045-5-ND
9	DIP-16, 0.3"	DIP socket 16 pin 0.3"	U7,U9,U10,U13,U15,	On Shore	ED16DT	Digikey	ED3046-5-ND
1	DIP-18, 0.3"	DIP socket 18 pin 0.3"	U17,U24,U25,SW5	On Shore	ED18DT	Digikey	ED3047-5-ND
			U16				
			U2,U18,U19,U20,U23,				
6	DIP-20, 0.3"	DIP socket 20 pin 0.3"	U26	On Shore	ED20DT	Digikey	ED3054-5-ND
2	DIP-24, 0.3"	DIP socket 24 pin 0.3"	U8,U12	On Shore	ED241DT	Digikey	ED3049-5-ND
1	DIP-24, 0.6"	DIP socket 24 pin 0.6"	U21	On Shore	ED24DT	Digikey	ED3051-5-ND
4	DIP-28, 0.6"	DIP socket 28 pin 0.6"	U4,U5,U6,U11	On Shore	ED28DT	Digikey	ED3052-5-ND
2	DIP-40, 0.6"	DIP socket 40 pin 0.6"	U1,U14	On Shore	ED40DT	Digikey	ED3048-5-ND
	Oscillator				1107741		
1	Socket	4 pin socket in 14-DIP frame 0.3"	U22	Aries		Digikey	A462-ND
2	Push Button	Tactile Switch, SPST-NO, 0.24"	SW1,SW4	Jameco	TL1105F160R-JVP	Jameco	119011
1	Power Switch	Toggle Switch, SPDT, 3A 120V	SW3	C&K	T101MH9AQE	Digikey	CKN10963-ND
1	Dip Switches	8 Position Dip Switch, SPST, DIP-16	SW5	Jameco	KAS1108E-JVP	Jameco	38842
1	Battery Holder	CR2032 Coin Cell Battery Holder	B1	MPD	BH32T-C	Digikey	BH32T-C-ND
1	Battery	CR2032 3V Coin Cell 20mm	B1	FKD	CR2032	Digikey	SY189-ND
1	Power	4 Pin, Male, Right Angle, 5.08mm	J7	TE	641737-1	Digikey	A25430-ND
2	SLU0, Panel	2x5,10 Pin, Male,Shrouded Header	J1,J10	Sullins	SBH11-PBPC-D05-ST-BK	Digikey	S9169-ND
2	IDE Pwr, Bat	2 Pin, Male,Vertical Header	J9, J6	TE	640456-2	Digikey	A1921-ND
1	IDE	2x20,40 Pin,Male,Shrouded Header	J4	Sullins	SBH11-PBPC-D20-ST-BK	Digikey	S9175-ND
1	BUS	2x25,50 Pin,Female,Shrouded Header	J8	Sullins	PPTC252LFBN-RC	Digikey	S7093-ND
2	Jumper Pins	3 Pin Male Header, 0.1"	JP1,JP2	Wurth	61300311121	Digikey	732-5316-ND
2	Jumpers	0.1" Shunt Connector	JP1,JP2	Sullins	QPC02SXGN-RC	Digikey	S9337-ND