

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>	<u>Price</u>	<u>Qty</u>	<u>Total</u>
1	CDP1805ACE	CMOS 8-bit Microprocessor	U1	Harris	CDP1805ACE	Ebay	Various	\$5.99	1	\$5.99
1	74HC373	Octal D-Latch	U2	Toshiba	TC74HC373APF	Digikey	TC74HC373APF-ND	\$0.57	1	\$0.57
1	DS1233	IC Supervisor	U3	Maxim	DS1233D-10+	Digikey	DS1233D-10+-ND	\$2.03	1	\$2.03
2	62256	32KB SRAM	U4,U5	Alliance	AS6C62256-55PCN	Digikey	1450-1033-ND	\$5.06	2	\$10.12
1	27C256	32KB EPROM	U6	Microchip	AT27C256R-70PU	Digikey	AT27C256R-70PU-ND	\$2.76	1	\$2.76
1	DS1321	Non-Volatile Memory Controller	U7	Maxim	DS1321+	Mouser	700-DS1321	\$11.82	1	\$11.82
1	ATF750C	CPLD	U8	Microchip	556-AF750CL15PU	Mouser	556-AF750CL15PU	\$4.19	1	\$4.19
2	74HC175	Quad D Flip-Flops	U9, U17	Texas Ins	SN74HC175N	Digikey	296-8257-5-ND	\$0.88	2	\$1.76
2	74HC365	Hex Bus Drivers	U10,U13	Texas Ins	SN74HC365N	Digikey	296-8304-5-ND	\$0.88	2	\$1.76
1	CDP1877	Prog Interrupt Controller	U11	Harris	CDP1877	Ebay	Various	\$9.99	1	\$9.99
1	ATF22V10	EE PLD	U12	Microchip	ATF22V10C-10PU	Digikey	ATF22V10C-10PU-ND	\$2.63	1	\$2.63
1	CDP1854	UART	U14	Harris	CDP1854ACE	Ebay	Various	\$10.99	1	\$10.99
1	MAX232	RS-232 Transceiver	U15	Texas Ins	MAX232N	Digikey	296-1402-5-ND	\$1.96	1	\$1.96
1	COM8136	Dual Baud Rate Generator	U16	SMCS	COM8136	Ebay	Various	\$14.96	1	\$14.96
4	74HC245	Octal Bus Transceiver	U18,U19,U20,U23	Toshiba	TC74HC245APF	Digikey	TC74HC245APF-ND	\$0.57	4	\$2.28
1	CDP1879	Real Time Clock	U21	RCA	CDP1879CEI	Ebay	Various	\$13.49	1	\$13.49
1	32768Hz	Crystal Oscillator	U22	Abrakon	ACH-32.768MHZ-EK	Digikey	535-9178-5-ND	\$1.77	1	\$1.77
2	CD4049	Hex Inverter	U24,U25	Texas Ins	CD4049UBE	Digikey	296-2055-5-ND	\$0.69	2	\$1.38
1	74HC240	Octal Buffer Line Driver	U26	Texas Ins	SN74HC240N	Digikey	296-1580-5-ND	\$1.45	1	\$1.45
1	74HC04	Hex Inverter	U27	Texas Ins	SN74HC04N	Digikey	296-1566-5-ND	\$0.72	1	\$0.72
1	74HC32	Quad OR Gates	U28	Texas Ins	SN74HC32N	Digikey	296-1589-5-ND	\$0.64	1	\$0.64
1	74HC14	Hex Inverters, Schmitt Trigger	U29	Texas Ins	SN74HC14N	Digikey	296-1577-5-ND	\$0.98	1	\$0.98
1	74HC74	Dua D Flip-Flop	U30	Texas Ins	SN74HC74N	Digikey	296-1602-5-ND	\$0.96	1	\$0.96
Total:									\$105.20	

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>	<u>Price</u>	<u>Qty</u>	<u>Total</u>
2	10M Ohms	Resistor, 5%, 1/4 Watt, Axial	R1,R5	Stackpole	CF14JT10M0	Digikey	CF14JT10MOCT-ND	\$0.10	2	\$0.20
7	10k Ohms	Resistor, 5%, 1/4 Watt, Axial	R2,R3,R6,R7,R8,R12	Stackpole	CF14JT10K0	Digikey	CF14JT10KOCT-ND	\$0.10	7	\$0.70
1	1k, 1%	Resistor, 1%, 1/4 Watt, Axial	R4	Stackpole	RNF14FTD1K00	Digikey	RNF14FTD1K0OCT-ND	\$0.10	1	\$0.10
2	560 Ohms	Resistor, 5%, 1/4 Watt, Axial	R10,R11	Stackpole	CF12JT560R	Digikey	CF12JT560RCT-ND	\$0.10	2	\$0.20
1	4.7k Ohms	Resistor, 5%, 1/4 Watt, Axial	R13	Stackpole	CF18JT4K70	Digikey	CF18JT4K7OCT-ND	\$0.10	1	\$0.10
1	82k Ohms	Resistor, 5%, 1/4 Watt, Axial	R14	Stackpole	CF18JT82K0	Digikey	CF18JT82KOCT-ND	\$0.10	1	\$0.10
1	18k Ohms	Resistor, 5%, 1/4 Watt, Axial	R15	Stackpole	CF14JT18K0	Digikey	CF14JT18KOCT-ND	\$0.10	1	\$0.10
1	1N5340	Zener Diode, 6V, 5W	D1	Onsemi	1N5340BRLG	Digikey	1N5340BRLGOSCT-ND	\$0.46	1	\$0.46
3	1N914	Diode, Small Signal, 100V, 200mA	D2,D3,D4	Onsemi	1N914TR	Digikey	1N914CT-ND	\$0.10	3	\$0.30
1	2.5MHz	Crystal, 2.5000 MHz	Y1	ECS	ECS-25-S-1X	Digikey	X1003-ND	\$1.14	1	\$1.14
1	4.9152MHz	Crystal, 4.9152 MHz	Y2	ECS	ECS-49-20-1X	Digikey	X1014-ND	\$0.70	1	\$0.70
4	22pF	Capacitor, Ceramic, Radial	C1,C2,C5,C6	Vishay	VY1220K31U2JQ6TV0	Digikey	BC5261CT-ND	\$0.37	4	\$1.48
4	0.01uF	Capacitor, Ceramic, Radial	C3,C4,C11,C12	Vishay	S103M47Z5UN63J7R	Digikey	1255PH-ND	\$0.45	4	\$1.80
4	1uF	Capacitor, Tantalum, 35V, Radial	C7,C8,C9,C10	Kyocera	TAP105K025SRW	Digikey	478-12959-1-ND	\$0.66	4	\$2.64

3 1nF	Capacitor, Ceramic, Radial	C13,C14,C19	Vishay	VY1102M35Y5UQ6TV0	Digikey	BC5260CT-ND	\$0.44	3	\$1.32
1 1uF	Capacitor, Electrolytic	C17			Digikey			1	
1 10uF	Capacitor, 6V, Electrolytic	C18			Digikey			1	
2 ???	Capacitor, Ceramic Mono	C15,C16						2	
25 ???	Capacitor, Ceramic Mono	C20-C44						25	
		Y2							