ChronoArt II Bill of Materials

12/9/03 Name	Part#	Qty	Other info	Source	Phone #
Al. frame, black, Nielson	Profile 35	1	22 9/16 X 19 1/16 inside "exact"	Any picture frame shop	
wall hanger, slides in top edge of frame		1			
acrylic, face,smoke, light grey	color = 2064	1	22 1/2" X 19" X 1/8"	Any acrylic fabricator shop	
acrylic dot mask	black, 1/8" thick	1	If broken try acrylic solvent adhesive with acrylic support strips		
ovals, acrylic diffusers, lens, 3/8"	2447 "lamp white"	22	glued in with gel super glue		
acrylic, back	color = 2064	1	If broken try acrylic solvent adhesive with acrylic support strips		
bumpons, spacers holding layers apart	3 M	27			
PC Board	K & F	1	rugged, should be able to patch any problem		
Resistor, pot, 1K, brightness of LEDs	D4AA13-ND	2		Digi-Key	1-800-Digi-key
Resistor, pot, 10K, freq. of processor	D4AA14-ND	1		Digi-Key	
Resistor, pot, 500 ohm, volume	201UR501B-ND	1		Digi-Key	
Resistors, 1/4W, 5%	See schematic	75		Digi-Key	
Cap, al, electrolytic	1000 mfd, 6V	2		Digi-Key	
Cap, al, electrolytic	2200 mfd,16V	1		Digi-Key	
Cap, al, electrolytic	>10mfd, 6V	1		Digi-Key	
Cap, al, electrolytic	1mfd,6V	1		Digi-Key	
Cap, tantalum	6.8 mfd, >6V	1		Digi-Key	
Cap,ceramic disc	18pf, >6V	1		Digi-Key	
Cap,ceramic disc	.01 mfd, >6V	9		Digi-Key	
Cap, ceramic disc	.001 mfd, >6V	1		Digi-Key	
Diode,shotkey	IN5817	2		Digi-Key	
Diodes	1N4001	4		Digi-Key	
regulatorLM317, adjustable	497-1575-5-ND	2		Digi-Key	
regulator, 5V low forward drop	LM2937ET-5-ND	1		Digi-Key	
Photo resistor, brightness	MKY-7c38E	2	No failures 2000 used in 1970's	Moririca	
Speaker, for chime	GB-12TP06	1		Golden Pacific	
transistor, darlington	2N5306 or 5307	1		Digi-Key	
transistor, photo	PNA1801L-ND	4		Digi-Key	
battery holder	BC3AAL-ND	1		Digi-Key	
Battery, Alkaline	AA	3		Common	
LED blue, Super flux, Lumileds	HPWN-MB00-00000	22	comes in tubes of 60	Future, distributor	
LED Green, Super flux, Lumileds	HPWN-MG00-00000	22		Future, distributor	
LED red, Super flux, Lumileds	HPWT-MD00-00000	22		Future, distributor	
IC, chime, 4020B	296-2039-5-ND	1		Digi-Key	
IC, microchip	PIC1657C-20/P-ND	1	Needs to be programmed by ChronoArt		
IC, socket 28pin	AEW8928-ND	1		Digi-Key	
IC socket 20 pin	AEW8920-ND	9		Digi-Key	
IC, latch and driver for LED's	P17CT573-TP, Pericom	9		Nu Horizons	888-747-6846
IC, binary to octal, 74HC1384P	TC74HC138AP-ND	1		Digi-Key	
IC, octal inverter, MC74HC540N	MM74HC540N-ND	1		Digi-Key	
surge protector	P7184-ND	1		Digi-Key	
fuse	3/4 amp, F114-ND	1		Digi-Key	
fuse clips	F040-ND	2		Digi-Key	
power cord		1		Common	
transformer, power	LP-10-1200	1		Signal Transformer	516-239-5777