

	Value	Qty	Description	Specifications	Part Number	Stock No.
Capacitors	0.1	36	0.1uf ceramic	0.1"		
	1	2	1uf tantalum	0.1" 25v	TAP105K025SCS	Mouser 581-TAP105K025SCS
	2.2	7	2.2uf tantalum	0.1" 35v	TAP225K035SCS	Mouser 581-TAP225K035SCS
	10	3	10uf tantalum	0.1" 25v	TAP106K025SCS	Mouser 581-TAP106K025SCS
	33	2	33uf tantalum	0.1" 25v	TAP336K025SCS	Mouser 581-TAP336K025SCS
	47	3	47uf OS-CON	SEP series 20v	20SEP47M	Digikey P16310-ND
	10 cer	2	10uf ceramic	0.1" 25v	RCER71E106K3A2H03B	Digikey 490-12869-ND
	100pf	2	100pf ceramic	0.1" COG	SR151A101JAATR1	Mouser 581-SR151A101JAATR1
	16pf	2	16pf ceramic	0.1" COG	C315C150J1G5TA (15pf OK)	Digikey 399-9717-ND
	4-34pf	1	4-34pf trimmer		<i>Do not install</i>	Jameco 32839
Resistors	220	1	220 1/4w 5%			
	330	2	330 1/4w 5%			
	470	3	470 1/4w 5%			
	560	1	560 1/4w 5%			
	1.8K	2	1.8K 1/4w 5%			
	10K	4	10K 1/4w 5%			
	120K	3	120K 1/4w 5%			
	1K	8	1K 1/4w 5%			
	2K	2	2K 1/4w 5%			
	3.3K	1	3.3K 1/4w 5%			
	4.7K	5	4.7K 1/4w 5%			
	75 (1/2w)	3	75 1/2w 5%	1/2 watt		
Integrated Circuits	74AHCT123	1	DIP-14	do not substitute		
	74ALS1005	1	DIP-14	do not substitute		
	74HCT02	1	DIP-14			
	74HCT04	1	DIP-14			
	74HCT14	2	DIP-14			
	74HCT30	1	DIP-14			
	74HCT32	3	DIP-14			
	74HCT540	1	DIP-20			
	74HCT574	3	DIP-20			
	74HCT640	1	DIP-20			
	74HCT74A	2	DIP-14			
	74LS04	1	DIP-14			
	74LS07	2	DIP-14			
	74LS08	1	DIP-14			
	74LS123	1	DIP-16	do not substitute		
	74LS164	2	DIP-14			
	74LS175	1	DIP-16			
	74LS74A	1	DIP-14			
	78L05	1				
	78L10	1			UA78L10ACLP	
	79L12	1		Can sub 7912 TO220		
	AD7501	1	DIP-16	JN,KN are OK		
	AD7574	1	DIP-18	JN,KN are OK		
	AM9511	1	DIP-24	Optional		
	AY-3-8910	1	DIP-40			
	GAL	1	DIP-20	F16V8BQL-15PU F16V8B-15PU, GAL16V8D-15LP		
	HM62256BLP-7	1	DIP-28	Can sub AS6C62256-55PCN		Digikey 1450-1033-ND
	LM747	1	DIP-14	Can sub UA747		
	LM78012	1		Can sub switching		
	LM7805	2		Can sub switching		
TMS9928		DIP-40			ArcadeShop.com TMS9928	

	Value	Qty	Description	Specifications	Part Number	Stock No.
IC Sockets	DIP-14	16	IC socket			
	DIP-16	4	IC socket			
	DIP-18	1	IC socket			
	DIP-20	8	IC socket			
	DIP-24	1	IC socket			
	DIP-28	1	IC socket			
	DIP-40	3	IC socket			
Semiconductors	2N4401	4				
	LED	5	Color and size optional, adjust Rdrop if necessary (see "LEDs" tab)			
	1N5819	6				
	1K Trimpot	3	top adjust	Bourns	3386F-1-102LF	Mouser 652-3386F-1-102LF
	10K Trimpot	1	side adjust	Bourns	3386H-1-103LF	Mouser 652-3386H-1-103LF
	Ferrite Bead	7		Beads-on-Leads	2743005111	Mouser 623-2743005111
	1x12 header	4	Molex KK	Polarized w/ramp	22-23-2121	
	1x12 header	1	Molex KK rt ang	Polarized w/ramp	22-05-3121	
	2x5 header	2				
	25-pin bus conn	2	Molex	MX 22-16-2251	Samtec BCS-125-L-S-HE	Digikey SAM1009-25-ND
	Crystal	1	10.73863MHz			Mouser 449-LFXTAL029962REEL
	Oscillator (OSC1)	1	2/3/4MHz	See "Oscillators"	ECS-2100A-040	Digikey X202-ND
	Oscillator (OSC2)	1	3.579545MHz	See "Oscillators"	ECS-2100A-035	Digikey XC235-ND
	PTC fuse	1	200ma	Littelfuse	60R020XU	Mouser 576-60R020XU
	Heat sink	1	for DIP-24		Optional, with AM9511 only	Digikey AE10816-ND
	Adhesive	1	(see instructions)		Optional, with AM9511 only	Digikey 1944-1369-ND
	Jumper block	22				
1x2 header	11	(see instructions)				
1x3 header	9	(see instructions)				