

List of parts available in ECE department

TTL	
74LS00 (2-Input NAND)	100
74LS01 (2-Input NAND)	135
74LS03 (2-Input NAND)	125
74LS04 (Inverter)	60
74LS05 (Hex Inverter Open Coll)	60
74LS08 (2-Input AND)	90
74LS09 (Quad 2-In and Out Gate Open Coll)	100
74LS10 (3-Input NAND)	125
74LS11 (3-Input AND)	115
74LS12 (3-Input NAND)	125
74LS13 (Dual Schmitt Trigger)	130
74LS14 (Hex Schmitt Trigger)	90
74LS15 (3-Input AND)	75
74LS20 (4-Input NAND)	140
74LS21 (Dual 4-Input AND)	90
74LS22 (4-Input AND)	140
74LS26 (2-Input NAND)	140
74LS27 (3-Input NOR)	180
74LS28 (2-Input NOR)	150
74LS30 (8-Input NAND)	130
74LS32 (2-Input OR)	40
74LS33 (Quad 2-In NOR Buffer OC)	150
74LS37 (Quad 2-In NAND Buffer)	125
74LS40 (Dual 2-In NAND gate-High output)	100
74LS42 (BCD – Decimal Dcdr)	130
74LS47 (BCD – 7seg Dcdr Drvr OC)	30
74LS51 (Dual AND/OR/Inv Gate)	150
74LS55 (Wide AND/OR/Inv)	90
74LS55 (Dual 4-In and OR Inv Gate)	130
74LS73 (Dual JK/f/f with Clear)	100
74LS74 (Dual D f/f)	100
74LS75 (Quad Latch)	180
74LS76 (Dual J/k f/f Clear and Preset)	130
74LS78 (Quad 2-In NAND Buffer OC)	150
74LS78 (Dual J/K f/f Clear and Preset)	85
74LS83 (4bit Binary Full Adder)	150
74LS85 (4 bit Magnitude Comparat)	135
74LS86 (2-Input XOR)	90
74LS90 (Divide by 10 Counter)	135
74LS91 (8-Big Shift Register)	90
74LS92 (Divide by 12 counter)	75
74LS93 (4bit Binary Counter)	25
74LS95 (4bit Shift Counter)	35
74LS96 (5bit Shift Register)	90
74LS107 (Triple 3-In NAND Gate)	50
74LS109 (Dual JK Pos Edge f/f)	90
74LS112 (Dual JK reg. Edge f/f)	80
74LS114 (Dual JK Edge f/f)	5

74LS122 (One Shots)	45
74LS123 (Name?)	40
74LS125/126 (Tri-State Quad Buffer)	100
74LS136 (Quad 2 NAND Gate)	110
74LS132 (Quad Schmitt Trigger)	100
74LS133 (13-Input AND)	95
74LS136 (Quad Ex OR Gate OC)	140
74LS138 (3-8 Dendr Demux)	100
74LS139 (Exp Dual 2/4 Dcdr)	60
74LS148 (8-3 Priority Encoder)	45
74LS151 (8 Channel Dig Multiplexer)	125
74LS153 (Dual 4-In Multiplexer)	40
74LS154 (Single 4-16 Decoder)	21
74LS155 (Dual 2/4 Multiplexer)	110
74LS156 (dual 2-4 Dcdr Demax OC)	125
74LS157 (Quad 2-In Multiplexer)	90
74LS161 (Synch 4-Bit Binary Counter)	50
74LS162 (Synch 4-Bit Binary Counter)	30
74LS164 (8bit Shift Register)	170
74LS165 (8bit Shift Register Para Load)	100
74LS168 (Synch Decade Up/Down Counter)	80
74LS170 (4x4 Register File)	30
74LS173 (Quad D Register)	150
74LS174 (Hex D f/f with Clear)	55
74LS175 (Dual D-type f/f)	280
74LS181 (Arithmetic Logic Unit)	85
74LS190 (Up/Down Decade Counter)	35
74LS191 (Up/Down Binary Counter)	180
74LS193 (Up/Down Binary Counter)	80
74LS194 (4bit Bidirect shit reg.)	120
74LS202 or 74LS232	35
74LS221 (Dual Monstab Multivib)	90
74LS224 (Asynch FIFO 3 Tri-State Memo)	2
74LS240 (Octal Inv. Bus Driver)	100
74LS241 (Octal Bus/Line Driver)	35
74LS244 (Octal Driver Non-Inv. Tri-State)	50
74LS245 (Octal Bus Tran. Non-Inverter)	100
74LS257 (Quad 2-1 Multiplex Tri-State)	85
74LS266 (2-Input XNOR)	90
74LS273 (8bit D-Type reg)	45
74LS274 (Tri-State Octal D f/f)	120
74LS279 (S-R Latch)	35
74LS283 (4bit Full Adder)	24
74LS365	125
74LS367	50
74LS373 (Octal D-Type Latch)	15
74LS374 (Octal D-Type f/f)	55
74F543	6
74LS629	85
74LS644	30

Linear	
LM301 (Improved Op Amp)	40
LM308 (Micro Power Op Amp)	50
LM312	30
LM317 (Adjustable 1.2-37V)	40
LM320	1
LM 324 (Low Power Quad Op Amp)	25
LM325 (Quad Op Amp)	0
LM 338K	1
LM340K (18 Volt Reg)	10
LM346 (Programmable Quad Opp. Amp)	45
LM347 (Quad JFET Input Op Amp)	12
LM351 (Bifet Op Amp)	1
LM380 (Audio Power Amp 5-Watt)	40
LM384 (5-Watt Audio Power Amp)	11
LM444 (Quad Op Amp Low Power Bifet)	10
LM531 (Op Amp)	11
LM555 (Timer)	40
LM556 (Dual 555 Timer)	0
LM564 (Digital Phase Locked Loop)	7
LM566 (Function Generator)	40
LM567 (Tone Decoder)	19
LM568 (30
LM709 (Op Amp)	30
LM710 (Voltage Regulator)	9
LM723 (Voltage Regulator)	38
LM725 (Operational Amp-Instrumentation)	30
LM741 (Compensated Op Amp)	120
LM748 (Frequency Adjusted 741)	30
LM1391 (Recheck Quantity)	10
LM1455 (Single Timing Circuit)	60
LM1458 (Dual Amp)	30
LM1488 (Quad Line Drive RS232)	9
LM1489 (Quad Line Receiver RS232)	30
Diodes	
1N81A	1
1N253	5
1N300	25
1N530	1
1N539	3
1N540	10
1N599	12
1N645	20
1N746	30
1N750	30
1N914 (Switching Diode)	0
1N1108	10

1N1186	2
1N1313	20
1N1487	20
1N1602	20
1N2154	3
1N3008	2
1N3034	3
1N3044	4
1N3064	125
1N3189	2
1n3313	25
1N3493	4
1N3891	15
1N3893	0
1N4003	0
1N4004 (Gen Parp Rect)	0
1N4148 (Switching Diode)	30
1N4728 (3.3V)	0
1N4729 (3.6V)	0
1N4730 (3.9V)	60
1N4731 (4.3V)	0
1N4732 (4.7V)	60
1N4733 (5.1V)	12
1N4734 (5.6V)	20
1N4735 (6.2V)	0
1N4736 (6.8V)	13
1N4737 (7.5V)	10
1N4738 (8.2V)	10
1N4739 (9.1V)	10
1N4740 (10V)	7
1N4741 (11V)	15
1N4742 (12V)	4
1N4743 (13V)	20
1N4744 (15V)	5
1N4745 (16V)	10
1N4746 (18V)	10
1N4747 (20V)	10
1N4748 (22V)	10
1N4749 (24V)	6
1N4750 (27V)	10
1N4751 (30V)	0
1N4752 (33V)	8
1N4753 (36V)	50
1N4754 (39V)	6
1N4755 (43V)	12
1N4756 (47V)	7
1N4757 (51V)	9
1N4758 (56V)	12
1N4759 (62V)	9
1N4760 (69V)	10
1N4761 (75V)	12
1N4762 (82V)	0

1N4763 (91V)	1
1N4749 (Volt Reg Diode)	12
1N4962	40
1N5241 (Volt Reg Diode)	10
1N5404	8
1N5408	15
1N5417	30
1N5736	40
1N5825	30
MR758 (Gen Parp Rect)	15
POTENTIOMETERS	
1k Ohm	20
2k Ohm	20
5k Ohm	15
10k Ohm	10
20k Ohm	20
50k Ohm	15
100k Ohm	30
200k Ohm	40
500k Ohm	40
POTENTIOMETERS (Thumb Turn)	
1k Ohm	15
2k Ohm	15
5k Ohm	0
10k Ohm	0
20k Ohm	0
50k Ohm	1
100k Ohm	9
200k Ohm	8
500k Ohm	15
POTENTIOMETERS (15 Turn)	
1k Ohm	8
2k Ohm	20
5k Ohm	4
10k Ohm	7
20k Ohm	15
50k Ohm	15
100k Ohm	25
200k Ohm	25
500k Ohm	25
100 Ohm	20
200 Ohm	25
500 Ohm	20
1 Meg Ohm	?

Oscillator	
4.19434MHz	34
5.0MHz	0
9.8304MHz	6
10.0MHz	0
11.0592MHz	0
12.0MHz	30
14.31818MHz	11
16.6MHz	23
20.0MHz	20
24.0MHz	0
30.0MHz	0
32.0MHz	0
34.0MHz	0
Crystal	
3.5795MHz	6
3.6864MHz	4
4.032MHz	7
5.0MHz	3
6.0MHz	20
8.0MHz	20
10.0MHz	1
12.0MHz	25
15.0MHz	50
15.664815MHz	2
16.0MHz	130
18.7291 MHz	3
22.1184MHz	?
24. MHz	15
25.0MHz	6
27.0MHz	10
Transistors	
2N291	30
2N335	7
2N365	20
2N369	30
2N389	9
2N398	4
2N520	25
2N657	6
2N697	35
2N910	12
2N1016	1
2N1132	9
2N1174	6
2N1233	4
2N1263	4
2N1274	17
2N1304	12
2N1308	18
2N1414	20

2N1613	19
2N1773	2
2N1893	19
2N2060	5
2N2219A	1
2N2222	80
2N2552	10
2N2608	80
2N2712	15
2N2907	90
2N2924	10
2N3605	8
2N3606	8
2N3607	7
2N3643	30
2N3662	3
2N3669	3
2N3708	10
2N3713	2
2N3725	7
2N3772	1
2N3791	0
2N3854	4
2N3855	9
2N3856	4
2N3866	8
2N3877	13
2N3903	11
2N3904	25
2N3906	12
2N3908	10
2N3975	13
2N3976	9
2N4033	1
2N4123	5
2N4124	11
2N4264	3
2N4403	8
2N4948 (OJT)	30
2N5031	11
2N5088	30
2N5089	30
2N5138	7
2N5194	10
2N5224	4
2N5397	40
2N5441	5
2N5457	30
2N5641	2
2N5779	0
2N6071	0
2N6080	0

2N6082	0
2N6084	2
2N7000 (N-Channel MOSFET)	125
Capacitors (Tantalum)	
0.1uf	0
0.15uf	15
0.22uf	60
0.33uf	50
0.47uf	60
0.68uf	40
1.0uf	4
1.5uf	80
2.2uf	18
3.3uf	30
4.7uf	25
6.8uf	5
10uf	60
15uf	25
22uf	20
Capacitor (Ceramic)	
0.001uf	10
0.0015uf	30
0.0022uf	40
0.0033uf	20
0.0047uf	80
0.0068uf	6
0.022uf	200
0.033uf	30
0.47uf	100
0.1uf	200
10pf	30
33pf	150
39pf	60
47pf	90
50pf	10
100pf	50
150pf	50
200pf	30
220pf	150
250pf	0
270pf	60
300pf	3
330pf	70
390pf	30
470pf	150
680pf	80

Dip Resistor	
100Ω	2
100Ω (16-Pin)	60
220Ω	0
1kΩ (16-Pin)	100
10kΩ	5
Capacitors Electrolytic	
0.1uf (P5559-ND)	100
0.22uf (P5560-ND)	200
0.33uf (P5561-ND)	200
0.47uf (P5562-ND)	200
1.0uf (P5563-ND)	200
2.2uf (P5564-ND)	200
3.3uf (P5565-ND)	200
4.7uf (P5566-ND)	150
10uf (P5567-ND)	200
22uf (P5568-ND)	200
33uf (P5569-ND)	100
47uf (P5570-ND)	100
100uf (P5571-ND)	150
220uf (P5572-ND)	60
330uf (P5573-ND)	100
470uf (P5574-ND)	100
1000uf (P5575-ND)	1
EE 323	
0.1 (Micro Forad Capacitor)	60
10kΩ POTENTIOMETER	30
47 MICRO Forad Electrolytic Cap.	20
74LS279 (NAND Latches)	100
AMD 27C64 (8k X 8 EPROM)	0
LGS GM76C28A (2k X 8 Ram)	15
LCD Display Optrek (DMC 16207)	0
LM35DZ (ND Prec. Temp. Sensor)	25
LM34DZ (ND Prec. Temp. Sensor)	30
84 – Pin Wire Wrap Socket	0
80C186EB (Micro Processor)	6
MAX 807NCPE μp Supervisory	20
40.00MHz (ECS 100 Canned Oscillator)	10
74LS373 (Octal Latches)	20
82C55A Parallel I/O	20
Voltage Regulator (Positive)	
LM7805 TO-220 Pkg. 5.0V, 1.5A	20
LM7812 TO-220 Pkg. 12.0V, 1.5A	12
LM7812 TO-3 Pkg. 12.0V, 1.5A	8
LM7815 TO-220 Pkg. 15.0V, 1.5A	60
LM7815 TO-3 Pkg. 15.0V, 1.5A	

Voltage Regulator (Negative)	
LM7905 TO-220 Pkg. 5.0V, 1.5A	8
LM7905 TO-3 Pkg. 5.0V, 1.5A	
LM7912 TO-220 Pkg. 12.0V, 1.5A	50
LM7912 TO-3 Pkg. 12.0V, 1.5A	
LM7915 TO-220 Pkg. 15.V	40
LM7915 TO-3 Pkg. 15.0V, 1.5A	
CA 3018 (Darlington Pair & Two Matched NPN)	0
CA 3028 (Differential / Cuscode Amp – DC-RF)	5
CA 3039 (Diode Array)	21
CA 3046 (Transistor Array)	6
CA 3054 (Zero Voltage Switch)	19
CA 3080 (Oper. Transconductance Amp)	50
CA 3081 (Transistor Array NPN)	12
CA 3083 (Transistor Array NPN)	8
CA 3086 (Transistor Array NPN)	18
CA 3096 (Transistor Array NPN/PNP)	9
CA 3130 (Cos/Mos Operational Amp)	30
CA 3140 (Bimos Op-amp)	2
CA 3280	75
CA 3600 (Cos/Mos Transistor Array)	1
AD 9502BM (video Digitizer)	0
ADC 0803 (Analog – Digital Converter)	13
ADC 0804 (LCN)	60
ADC 0848	0
ADC 8009	30
ADC 80AGZ-12	0
DAC 0800	17
DAC 0806	4
DAC 0808 LCN (Digital-Analog Converter)	50
8-Pin	50
14-Pin	40
16-Pin	50
20-Pin	70
24-Pin	50
24-Pin (Narrow)	25
28-Pin	100
28-Pin (Narrow)	100
Misc.	
25 Amp. Bridge Rect.	7
3 Amp. Bridge Rect.	0
6 Amp. Bridge Rect.	1
BR 254 Bridge Rect.	10
Electrical Power Sockets	10
Push Button Switches	
Normally Open Red	0
Normally Closed Black	20
Switch Double Pole Quad Throw	12

Dip Switches (8-Position/10-position)	27
Max 233	30
Max 232	11
Max 166	30
Fuses	
Fuses 8 AG 250V Normal Blow	
160 MA 1 Amp	1
500 MA 2 Amp	1
Fuses 3 AG 250V Normal Blow	
3 Amp	100
4 Amp	30
5 Amp	40
Fuses 3 AG 350V Slow Blow	
¼ Amp	0
½ Amp	25
¾ Amp	1
1 Amp	100
Fuses 3 AG 250V Slow Blow	
1.5 Amp	25
2.0 Amp	100
3.0 Amp	60
Fuses 3 AG 125V Normal Blow	
15 Amp	1
20 Amp	4
25 Amp	2
30 Amp	0
Fuses 3AG 250V Normal Blow	
1/100	10
1/32	14
1/16	15
1/10	10
1/8	10
1/5	10
Fuses 3AG 250V Normal Blow	
¼ Amp	3
½ Amp	25
3/8 Amp	20
¾ Amp	8
Fuses 3AG 250V Normal Blow	
1 Amp	30
2 Amp	30
1.5 Amp	30

Protected Header 14-Pin 16-Pin 20-Pin 26-Pin 34-Pin 50-Pin	30 60 70 25 40 15
Socket Connector 14-Pin 16-Pin 20-Pin 26-Pin 36-Pin 40-Pin 50-Pin	30 50 70 30 60 35 40
Dip Plug 14-Pin 16-Pin 24-Pin 40-Pin	50 30 60 20
ZIF 14-Pin 16-Pin 18-Pin 20-Pin 22-Pin 24-Pin 28-Pin 32-Pin 40-Pin	6 7 5 8 20 30 2 15 0
Wire Wrap Socket 8-Pin Dip 14-Pin Dip 16-Pin Dip 18-Pin Dip 20-Pin Dip 22-Pin Dip 24/28-Pin Dip (narrow) 28-Pin Dip 48/64 Pin Dip 68-Pin PGA (10x10) 68-Pin PGA (80186 11x11) 73-Pin PGA (11x11) 89-Pin PGA (10x10) 128-Pin PGA (14x14)	25 30 11 3 1 40 30/12 30 6/2 9 60 8 6 137

Misc.	
9Volt Battery Eliminator	11
NBC Connectors	15
BNC male Connector Rg-59Cable	9
BNC male Connector RG-58Cable	.0
PNC Type connector for Rg-58	4
	4
Crimp Type	
Male	6
Female	3
Rubber Feet Stick on Square	21
Rubber Feet Stick on Round	8
LED Holder	200
LED's – Red	16
Green	20
Amber	30
5-Pin Din Connector Plug	40
9-Pin D-Edge Connector Solder Cup	25
9-Pin D-Edge Connector Wire Wrap	30
9-Pin D-Edge connector Insulation displacement	30
15-Pin D-Edge Connector Insulation displacement	15
9-Pin D-Edge Right Angel P.C mount Connectors	12
15-Pin D-Edge Connector Solder Cup	40
15-Pin D-Edge High Density Solder Cup	30
15-Pin D-Edge Connector right angle P.C Mount	10
15-Pin D-Edge connection Wire Wrap	20
24-Pin Centronix male connector	10
25-Pin D-Ed Connector male solder cup	20
25-Pin D-Edge Connector Wire wrap	20
25-Pin D-Edge connector backs	50
25-Pin D-Edge Connector-female	20
25-Pin D-Edge connector female solder cup	40
25-Pin D-Edge connector male insulation displacement	20
25-Pin D-Edge connector Right angel P.C mount	35
36-Pin Centronix connector male Insulation displacement	4
34/40-Pin Card edge connector's insulation displacement	50
36-Pin Centronix connector-male solder cup w/hoop	11
36-Pin Centronix Connector-female Insulation displacement	24
36-Pin Centronix connector-female solder cup with hoop	6
37-Pin D-Edge Connector Solder Cup	20
50-Pin Centronix connect Insulation Displacement	20
31/62-Pin P.C Cord Edge Connector Printed Circuit	20
20,26,50-Pin Card Edge connectors Insulation displacement	30