

The Depot Catalog



We accept



ECE Depot Catalog

Actuators	Pg. 30
Alligator Clips and Alligator Clip Test Leads	Pg. 16
Adhesives	Pg. 28
Banana Plugs, Jacks, and Patch Cords	Pg. 9
Barrier Strips	Pg. 22
Batteries and Battery Holders	Pg. 14
Binding Posts	Pg. 9
Boxes, Storage and Project	Pg. 25
Breadboards	Pg. 27
Buzzer	Pg. 25
Coaxial Cables	Pg. 10
Cable Clamps	Pg. 10
Cables Misc.	Pg. 29
Cable Parts, Custom	Pg. 25
Cable Ties	Pg. 10
Capacitors: Ceramic, Polypropylene, Polyester, Mylar, Bipolar, Variable	Pg. 11
Capacitors: Electrolytic	Pg. 11-13
Chemicals: Lubricants, Freeze Spray, etc.	Pg. 28
Cleaning Supplies	Pg. 28
Coaxial Connectors: BNC, N, SMA, UHF	Pg. 10
Connectors: Audio and DC Power: RCA, phono, 2.1mm, 2.5mm, 3.5mm	Pg. 31
Connectors: D-sub, Ribbon, Cinch, and Test	Pg. 13-14
Connectors: Spade, Lug, Ring	Pg. 22
Connectors: Misc., XT	Pg. 9
Crystals	Pg. 25
DC/DC Converters	Pg. 17
Diodes	Pg. 4
Displays, LED & LCD	Pg. 22
Electrode, ECG	Pg. 25
Fuses	Pg. 15
Fuse Holders	Pg. 14
Gaskets	Pg. 9
Grabbers	Pg. 16
Grommets	Pg. 22
Hall Effect Sensors	Pg. 30
Hardware, Circuit Board Mounting	Pg. 26
Header Strips	Pg. 15
Heat-shrink Tubing	Pg. 10
Heat Sinks	Pg. 19
Hole Plugs	Pg. 10
Humidity Sensor	Pg. 25
ICs	Pg. 17
IC, Digital Application Chart	Pg. 21
IC, Linear Application Chart	Pg. 18
IC Sockets and Socket Tags	Pg. 16

Inductors	Pg. 5
Joysticks	Pg. 25
Knobs	Pg. 19
Lamps	Pg. 22
LEDs	Pg. 22
Magnets	Pg. 25
Microphones	Pg. 30
Motors, servomotors	Pg. 30
Photocells	Pg. 25
Phototransistors	Pg. 25
Plug-in Power Adapters	Pg. 29
Potentiometers	Pg. 20
Printing Cartridges: Inkjet and Laser	Pg. 5
Project Boxes	Pg. 29
Programmers, Development systems	Pg. 27
Prototyping Tools	Pg. 27
Relays	Pg. 25
Resistors	Pg. 6-8
Rubber Feet	Pg. 22
Safety Supplies	Pg. 27
Sensors and Actuators	Pg. 30
Solar Cell	Pg. 25
Solder, Soldering Tools, and Replacement Parts	Pg. 27
Solenoids	Pg. 30
Speakers	Pg. 25
Static Protection	Pg. 25
Strain Relief	Pg. 22
Switches	Pg. 23
Tape	Pg. 28
Temperature Sensor	Pg. 25
Thermistor	Pg. 25
Transistors: Silicon NPN, Silicon PNP, Germanium PNP, N-Channel JFET, etc.	Pg. 24
Water Valve	Pg. 30
Wire and Cable	Pg. 23-24
Wire Marker Tape	Pg. 28

Diodes

Zener Diodes

400 mW			500 mW			5 W		
P/N	Vz	125-	P/N	Vz	125-	P/N	Vz	125-
1N4372	3.0V	1000	1N5222	2.5V	1064	1N5342	6.8V	1010
1N748	3.9V	1003	1N5231	5.1V	1006	1N5360	25V	1032
1N750	4.7V	1005	1N5260	43V	1061	1N5364	33V	1035
1N752	5.6V	1007						
1N753	6.2V	1008						
1N755	7.5V	1011						
1N759	12.0V	1020						
1N964	13.0V	1022						
1N965	15V	1024						
1N968	20V	1030						
1N974	36V	1036						

1 W

P/N	Vz	125-
1N4728	3.3V	1060
1N4734A	5.6V	1063
1N4740	10V	1017

Switching Diodes

P/N	123-
1N914 (1N4148)	1000
1N4149	1001

Bridge Diodes

P/N	121-
rb153	1002
vm08	1001

Rectifier Diodes

P/N	PIV	mA	120-
1N464	150	40	1017
1N4002	100	1000	1015
1N4003	200	1000	1018
1N4007	1000	1000	1016
1N4933	50	1000	1070
1N5404	400	3000	1014
1N5817	20	1000	1073
1N5818	30	1000	1072
1N5822	40	3000	1074
6A4	400	6000	1013
6A10	1000	6000	1012

Inductors

(uH)

0.33, 2.15A, 65mΩ
 0.47, 750 mA, 250mΩ
 0.68, 1.2A, 160mΩ
 1.0, 1.2A, 160mΩ
 1.5, 570mA, 300mΩ
 2.2, 520mA, 350mΩ
 3.3, 420mA, 500mΩ
 4.7, 820mA, 340mΩ
 6.8, 90mA, 370mΩ
 8.2, 4.5A, 28mΩ
 10, 680mA, 490mΩ
 12, 190mA, 2.4Ω
 15, 610mA, 600mΩ
 18, 580mA, 670mΩ
 22, 560mA, 740mΩ

(uH)

27, 480mA, 1.3Ω
 33, 300mA, 1.12Ω
 47, 450mA, 1.1Ω
 47, 3.2A, 63mΩ
 100, 370mA, 1.7Ω
 100, 2.1A, 108mΩ
 150, 280mA, 2.8Ω
 220, 130mA, 5.8Ω
 330, 280mA, 2.8Ω
 470, 90mA, 12Ω
 680, 150mA, 10Ω
 680, 180mA, 6.1Ω

(mH)

1.0, 60mA, 31.4Ω
 1.0, 130mA, 14Ω
 1.0, 200mA, 2.3Ω
 1.5, 158mA, 3.45Ω
 2.2, 158mA, 4.48Ω
 3.3, 128mA, 6.56Ω
 4.7, 100mA, 10.5Ω
 6.8, 82mA, 16.3Ω
 10, 50mA, 25Ω
 10, 50mA, 26.4Ω
 100, 20mA, 235Ω

Adjustable Inductors

various ranges
 adjustable from
 .19 uH - .25 uH
 to
 20mH - 60 mH

Ferrite Rod

Mn-Zn, 5.5" X 0.4"

Inkjet and Laser Printer Cartridges

Epson Inkjet Cartridges

T003011 Black
 T005011 Tricolor

Laser Jet Toner Cartridges

HP 03A Xerox 3220
 HP 05A Xerox/Black Toner/Hi-Capacity/Phaser 3600
 HP 05X Xerox/Cyan Toner/Hi-Capacity/Phaser 3600
 HP 10A Xerox/Magenta Toner/Hi-Capacity/Phaser 3600
 HP 11X Xerox/Yellow Toner/Hi-Capacity/Phaser 3600
 HP 12A Xerox/Black Toner/Hi-Capacity/Phaser 3600dn
 HP 15X Xerox/Black Toner/Hi-Capacity/Phaser 6027
 HP 26X Xerox/Cyan Toner/Hi-Capacity/Phaser 6027
 HP 27X Xerox/Magenta Toner/Hi Capacity/Phaser 6027
 HP 38A Xerox/Yellow Toner/Hi-Capacity/Phaser 6027
 HP 42A Xerox/Black Toner/Hi-Capacity/Phaser 6180
 HP 49A Xerox/Cyan Toner/Hi-Capacity/Phaser 6180
 HP 51A Xerox/Magenta Toner/Hi-Capacity/Phaser 6180
 HP 53A Xerox/Yellow Toner/Hi-Capacity/Phaser 6180
 HP 53X Xerox/Black Toner/Hi-Capacity/Phaser 6280
 HP 64A Xerox/Cyan Toner/Hi-Capacity/Phaser 6280
 HP 78A Xerox/Magenta Toner/Hi-Capacity/Phaser 6280
 HP 80X Xerox/Yellow Toner/Hi-Capacity/Phaser 6280
 HP 85A Xerox/Black Toner/Hi-Capacity/Phaser 6500
 HP 92A Xerox/Cyan Toner/Hi-Capacity/Phaser 6500
 HP 96A Xerox/Magenta Toner/Hi Capacity/Phaser 6500
 HP 128A Xerox/Yellow Toner/Hi-Capacity/Phaser 6500
 Brother TN750 compatible

Resistors

1/4W 1% Metal Film

Ohms	Ohms	Ohms	Ohms	K Ohms	K Ohms	K Ohms	K Ohms	K Ohms	K Ohms	K Ohms	M Ohm
10.0	52.3	154	357	1.00	3.09	9.09	26.7	78.7	237	698	1.00
11.0	53.6	158	365	1.02	3.16	9.31	27.4	80.6	243	715	2.21
12.1	54.9	162	374	1.06	3.24	9.53	28.0	82.5	249	732	4.75
13.0	56.2	165	383	1.07	3.32	9.73	28.7	84.5	255	750	10.0
14.0	57.6	169	392	1.10	3.40	10.0	29.4	86.6	261	768	15.0
15.1	59.0	174	402	1.13	3.48	10.2	30.1	88.7	267	787	30.0
15.8	60.4	178	412	1.15	3.57	10.5	30.9	90.9	274	806	49.9
16.9	61.9	182	422	1.18	3.65	10.7	31.6	93.1	280	825	
18.2	63.4	187	432	1.21	3.74	11.0	32.4	95.3	287	845	
19.1	64.9	191	442	1.24	3.83	11.3	33.2	97.6	294	866	
20.0	66.5	193	453	1.27	3.92	11.5	34.0	100	301	909	
21.0	68.1	196	464	1.30	4.02	11.8	34.8	102	309	931	
22.1	69.8	198	475	1.33	4.12	12.1	35.7	105	316	953	
23.2	71.5	200	487	1.37	4.22	12.4	36.5	107	324	976	
24.3	73.2	203	499	1.40	4.32	12.7	37.4	110	332		
24.9	75.0	205	511	1.43	4.42	13.0	38.3	113	340		
26.1	76.8	210	523	1.47	4.53	13.3	39.2	115	348		
26.7	78.7	215	526	1.50	4.64	13.7	40.2	118	357		
27.4	80.6	221	536	1.54	4.75	14.0	41.2	121	365		
28.0	82.5	226	549	1.58	4.87	14.3	42.2	124	374		
28.7	83.6	232	562	1.62	4.99	14.7	43.2	127	383		
29.4	84.5	234	576	1.65	5.11	15.0	44.2	130	392		
30.1	88.7	237	590	1.69	5.23	15.4	45.3	133	402		
30.9	90.9	243	604	1.82	5.36	15.8	46.4	137	412		
31.6	93.1	249	619	1.87	5.49	16.2	47.5	140	422		
32.4	95.3	255	634	1.91	5.62	16.5	48.7	143	432		
33.2	97.6	258	649	1.96	5.76	16.9	49.9	147	442		
34.0	100	261	665	2.00	5.90	17.4	51.1	150	453		
34.8	102	267	681	2.05	6.04	17.8	52.3	154	464		
35.7	105	271	698	2.10	6.19	18.2	53.6	162	475		
36.5	107	274	715	2.15	6.34	18.7	54.9	165	487		
37.4	110	280	732	2.21	6.49	19.1	56.2	169	499		
38.3	113	287	750	2.26	6.65	19.3	57.6	174	511		
39.2	115	291	768	2.32	6.81	20.0	59.0	178	523		
40.2	118	294	787	2.37	6.98	20.5	60.4	182	536		
41.2	121	298	806	2.43	7.15	21.0	61.9	187	549		
42.2	124	301	825	2.49	7.32	21.5	63.4	191	562		
43.2	127	309	845	2.55	7.50	22.1	64.9	196	576		
44.2	130	312	866	2.61	7.68	22.6	66.5	200	590		
45.3	133	316	887	2.67	7.87	23.2	68.1	205	604		
46.4	137	324	909	2.74	8.06	23.7	69.8	210	619		
47.5	140	328	931	2.80	8.23	24.3	71.5	215	634		
48.7	143	332	976	2.87	8.45	24.9	73.2	221	649		
49.9	147	340		2.94	8.66	25.5	75.0	226	665		
51.1	150	348		3.01	8.87	26.1	76.8	232	681		

Resistors Continued

1/4 watt 5%

1/2 watt 5%

1 watt 5%

Ohms	K Ohms	M Ohms	Ohms	K Ohms	M Ohms	Ohms	K Ohms	M Ohms
1	1	1	1	1	1	1	1	1
1.2	1.2	1.2	1.2	1.2	1.2	2.7	1.2	1.2
1.5	1.5	1.5	1.5	1.5	1.5	3.3	1.5	1.5
1.8	1.8	1.8	1.8	1.8	1.8	3.9	1.8	1.8
2.2	2.0	2.2	2.2	2.0	2.2	4.7	2.2	2.2
2.7	2.2	2.7	2.7	2.2	3.3	5.6	2.7	2.7
3.3	2.7	3.0	3.3	2.7	3.9	6.8	3.3	3.3
3.9	3.3	3.3	3.9	3.3	4.7	8.2	3.9	3.9
4.7	3.9	3.9	4.7	3.9	5.6	10	4.7	4.7
5.1	4.7	4.7	5.6	4.7	6.8	12	5.6	5.6
5.6	5.1	5.6	6.8	5.1	8.2	15	6.8	6.8
6.8	5.6	6.8	8.2	5.6	10	18	8.2	8.2
8.2	6.8	8.2	10	6.2	12	22	10	10
10	8.2	10	12	6.8	15	27	12	12
12	10	12	15	7.5	18	33	15	15
15	12	15	18	8.2	22	39	18	18
18	15	18	22	10		47	22	22
22	18	22	27	12		56	27	
27	22		30	15		68	33	
30	27		33	18		82	39	
33	33		39	22		100	47	
39	39		47	24		120	56	
47	47		56	27		150	68	
56	56		68	33		180	82	
68	68		82	39		220	100	
82	82		100	47		270	120	
100	100		120	56		330	150	
120	120		150	68		390	180	
150	150		180	82		470	220	
180	180		220	100		560	270	
220	220		270	120		680	330	
270	240		330	150		820	390	
330	270		390	180			470	
390	330		470	220			560	
470	360		560	270			680	
560	390		680	330			820	
680	470		820	390				
820	560			470				
	680			560				
	820			680				
				820				

Resistors Continued

2 watt 5%			3 watt 5%			5 watt 5%			1/4 watt 0.1%	
Ohms	K Ohms	K Ohms	M Ohms	Ohms	K Ohms	Ohms	K Ohms	Ohms	K Ohms	M Ohms
1	1	120	1	1	1	1	1	10	1	1
10	1.2	150	1.2	10	1.5	10	10	49.9	4.99	
12	1.5	180	1.5	25	2	25	25	100	10	
15	1.8	220	1.8	100	5	100	100	249	49.9	
18	2.2	270	2.2	200	10	200	200	499	100	
22	2.7	330	2.7	400		500	500		499	
27	3.3	390	3.3	500						
33	3.9	470	3.9	700						
39	4.7	560	4.7							
47	5.6	680	5.6							
56	6.8	820	6.8							
68	8.2		8.2							
82	10		12							
100	12		15							
120	15		18							
150	18									
180	22									
220	27									
270	33									
330	39									
390	47									
470	56									
560	68									
680	82									
820	100									
20 watt 10%										
Ohms	K Ohms									
100	1									
500	5									
	10									
	50									
	60									

Banana Plugs and Binding Posts

Banana Plugs

Insulated:

White
Green
Yellow
Blue
Purple
Black
Red
Orange
Brown
Grey

Uninsulated silver

Double Banana Plugs

Insulated:

Black
Red

Stacking Banana Plugs

Black
Red

Screw In Banana Plugs

Black
Red
Green
Yellow
Blue

Banana Jacks

Insulated:

White
Green
Yellow
Blue
Purple
Black
Red
Orange
Brown
Grey

Uninsulated silver

Banana Jack in-line

Black
Red

Banana Coupler

Black
Red

Tip Plug/Jack

Black
Red
Green
Yellow
Blue

Binding Post

White
Green
Yellow
Blue
Violet
Black
Red
Orange
Brown
Grey

In Line Tip Jack

Black
Red

Tip Jack to Banana Plug

Black
Red

Banana to Banana Patch Cord

Red (inches)	Black (inches)
8	8
12	12
18	18
36	36
72	72

Banana to Alligator Clip Patch Cord

Red (inches)	Black (inches)
36	36

Miscellaneous Connectors

BNC female to double banana plug
BNC male to double banana plug
BNC female to binding post
BNC male to binding post
BNC female to mini grabbers
BNC female to banana plugs

Banana to Minigrabber Patch Cord

Red (inches)	Black (inches)
12	12
24	24
36	36

XT Connector

XT30 male/female pair
XT60 male/female pair

Gaskets

Conflat Style Flange

2.75"	6"
4.5"	8"

Coaxial Connectors and Cables

BNC Connectors

Adapter, Tee
 Plug To Jack, Right Angle
 Male To RCA Plug
 Female To RCA Plug
 Panel Connector, Flanged
 Plug-UHF Jack
 RG-59 Male
 RG-58 Crimp
 Amphenol 31-202 (RG-58)
 Amphenol 31-4541 (RG-59)
 Amphenol 31-2221 (Panel)
 Amphenol 31-10 (Panel Isolated)
 Amphenol 31-219 (Straight Adapter)
 Amphenol 31-218 (Plug To Plug)
 male to male, 3-foot RG-58 cable
 male to male, 6-foot RG-58 cable

N Connectors

Plug
 Jack
 Tee
 Angle Adapter
 N Male to BNC Female UG-201
 N Female to BNC Male

SMA Connectors

Jack, PCB edge mount
 Jack, PCB top mount
 Jack, PCB top mount, gold

UHF Connectors

Receptacle Amphenol 83-IR
 M to F Amphenol 83-875
 Straight Amphenol 83-1J
 Rt Angle Amphenol 83-1AP

Other Cables

Hardware Female to Banana Plug
 Power Cord Receptacle
 Hardwire Cord, 6 foot pigtail

Cable Clamps, Hole Plugs

Cable Clamps

HH Smith 8940 1/8"
 HH Smith 8948 1/4"
 HH Smith 8944 3/8"
 HH Smith 8946 1/2"
 HH Smith 8942 5/8"
 HH Smith 8950 3/4"

Hole Plugs

HH Smith 650 1/4"
 HH Smith 652 3/8"
 HH Smith 653 1/2"
 HH Smith 654 5/8"
 HH Smith 655 3/4"
 HH Smith 612 1"

Adhesive Clips

Flat Grey Type
 1/2"
 3/4"

Cable Ties, Heat-shrink Tubing

Cable Ties

Large - 8", 50 lb., black
 Medium - 6", 40 lb., black
 Small - 4", 18 lb., black
 Medium - 6", 18 lb., natural, bag of 1000
 X-Large, - 11", 120 lb., black, bag of 100

Heat-shrink Tubing

1/16"	5/16"
3/32"	1/2"
1/8"	5/8"
3/16"	3/4"
1/4"	1"

Capacitors

Ceramic

pF	pF	pF	nF	nF	nF	μ F	200V (nF)	400V (nF)
1	10	100	1	10	100	1	1.5	0.47
1.5	12	120	1.2	15	150	1.5	2.2	1.5
2.0	15	150	1.5	18	220	2.2	3.3	2.2
2.2	18	180	1.8	22	330	3.3	4.7	2.7
3.3	20	200	2.2	27	470	4.7	6.8	5.6
4.0	22	270	2.7	33	680	6.8	220	6.8
4.7	27	330	3.3	47		10		8.2
5.0	33	390	3.9	56		15		22
6.0	39	470	4.7	68				
6.8	47	560	5.6	82				
8.0	56	680	6.8					
8.2	68	750	8.2					
9.0	75	820						

Metalized Polyester

Metalized Polypropylene

250V (nF)	250V (μ F)	100V (μ F)
10	1	6.8
47	1.5	10
220	2.2	
470	4.7	

Variable (pF)

1.0 to 3.0
1.65 to 4.5
2.2 to 8.1
2.0 to 10
3.0 to 36
4.5 to 65
10 to 150

Paper

200V (nF)
2.2
3.3
22

Bipolar

50V(nF)	50V (μ F)
470	1
	4.7
	10
	47
	100

Mylar

22 @ 100V
47 @ 200V
50 @ 600V

Electrolytic

4.7nF, 50V, axial	47nF, 35V, axial	220nF, 35V, axial
5.6nF, 35V, axial	56nF, 35V, axial	220nF, 35V, radial, resin dipped
6.8nF, 35V, axial	68nF, 35V, axial	220nF, 50V, 105°C, axial
8.2nF, 35V, axial	82nF, 35V, axial	220nF, 20%, 50V, 105°C, radial
12nF, 35V, axial	100nF, 35V, axial	270nF, 35V, axial
18nF, 35V, axial	100nF, 35V, radial, resin dipped	330nF, 35V, axial
22nF, 35V, axial	100nF, 50V, radial, resin dipped	330nF, 35V, radial, resin dipped
27nF, 35V, axial	150nF, 35V, axial	330nF, 50V, 105°C, axial
33nF, 35V, axial	150nF, 35V, radial, resin dipped	330nF, 20%, 50V, 105°C, radial
39nF, 35V, axial	180nF, 35V, axial	390nF, 35V, axial

Capacitors, Electrolytic Continued

470nF, 35V, axial
470nF, 50V, 85°C, radial
470nF, 35V, radial, resin dipped
560nF, 35V, axial
680nF, 50V, 85°C, radial
680nF, 35V, radial, resin dipped
820nF, 35V, axial
1uF, 35V, radial, resin dipped
1uF, 50V, 105°C, axial
1uF, 50V, 85°C, radial
1uF, 50V, 105°C, radial
1uF, 63V, 105°C, radial
1uF, 100V, 85°C, radial
1.5uF, 16V, radial, resin dipped
1.5uF, 35V, radial, resin dipped
1.5uF, 20%, 50V, 105°C, radial
2.2uF, 16V, radial, resin dipped
2.2uF, 35V, radial, resin dipped
2.2uF, 10%, 50V, 85°C, radial
2.2uF, 100V, 105°C, radial
3.3uF, 16V, radial, resin dipped
3.3uF, 35V, radial, resin dipped
3.3uF, 50V, 105°C, radial
3.3uF, 100V, 105°C, radial
4.7uF, 16V, radial, resin dipped
4.7uF, 35V, radial, resin dipped
4.7uF, 50V, 105°C, axial
4.7uF, 50V, axial
4.7uF, 50V, 105°C, radial
4.7uF, 100V, 105°C, radial
6.8uF, 16V, radial, resin dipped
6.8uF, 20%, 50V, 105°C, radial
10uF, 16V, 105°C, radial
10uF, 16V, radial, resin dipped
10uF, 25V, 105°C, radial
10uF, 25V, 105°C, radial
10uF, 35V, radial, resin dipped
10uF, 50V, 85°C, axial
10uF, 50V, 85°C, radial
10uF, 50V, 105°C, radial
10uF, 100V, 85°C, axial
10uF, 100V, 105°C, radial
15uF, 16V, radial, resin dipped
15uF, 25V, axial
15uF, 35V, radial, resin dipped
15uF, 50V, 105°C, radial
22uF, 16V, 105°C, radial
22uF, 16V, radial, resin dipped
22uF, 25V, 85°C, radial
22uF, 50V, axial
22uF, 50V, 85°C, radial
22uF, 100V, 85°C, axial
22uF, 100V, 105°C, radial
25uF, 25V, axial
25uF, 50V, axial
33uF, 16V, radial, resin dipped
33uF, 25V, 85°C, axial
33uF, 50V, 85°C, axial
33uF, 50V, 85°C, radial
33uF, 100V, 85°C, axial
33uF, 100V, 105°C, radial
39uF, 25V, 105°C, radial
47uF, 10V, 85°C, axial
47uF, 10V, 105°C, radial
47uF, 16V, 85°C, axial
47uF, 16V, 85°C, radial
47uF, 16V, radial, resin dipped
47uF, 25V, 85°C, axial
47uF, 25V, 105°C, radial
47uF, 50V, 85°C, axial
47uF, 50V, 85°C, radial
47uF, 100V, 85°C, axial
47uF, 100V, 105°C, radial
68uF, 16V, 105°C, radial
68uF, 16V, radial, resin dipped
68uF, 50V, 105°C, radial
68uF, 100V, 105°C, radial
100uF, 6.3V, 85°C, axial
100uF, 10V, 85°C, axial
100uF, 10V, 105°C, radial
100uF, 16V, 105°C, radial
100uF, 16V, 85°C, radial
100uF, 25V, 85°C, radial
100uF, 25V, 105°C, radial
100uF, 35V, 85°C, axial
100uF, 50V, 85°C, axial
100uF, 50V, 105°C, radial
100uF, 100V, 85°C, axial

Capacitors, Electrolytic Continued

100uF, 100V, 105°C, radial	330uF, 50V, 105°C, radial	1000uF, 6.3V, 85°C, axial
150uF, 25V, axial	330uF, 100V, 85°C, radial	1000uF, 10V, 105°C, radial
150uF, 50V, 105°C, radial	330uF, 100V, 85°C, radial	1000uF, 16V, 20%, axial
150uF, 100V, 105°C, radial	330uF, 100V, 105°C, radial	1000uF, 16V, 105°C, radial
180uF, 10V, 105°C, radial	470uF, 10V, 105°C, radial	1000uF, 25V, 85°C, axial
180uF, 16V, 105°C, radial	470uF, 16V, 85°C, axial	1000uF, 25V, 105°C, radial
180uF, 25V, 105°C, radial	470uF, 16V, 105°C, radial	1000uF, 50V, 85°C, axial
220uF, 10V, 85°C, radial	470uF, 25V, 85°C, axial	1000uF, 50V, 85°C, radial
220uF, 10V, 105°C, radial	470uF, 25V, 105°C, radial	1000uF, 100V, 85°C, axial
220uF, 16V, 85°C, axial	470uF, 50V, 85°C, axial	1000uF, 100V, 85°C, radial
220uF, 16V, 105°C, radial	470uF, 50V, 105°C, radial	1500uF, 20%, 25V, 105°C, radial
220uF, 25V, 105°C, radial	470uF, 100V, 85°C, axial	2200uF, 6.3V, axial
220uF, 50V, 85°C, axial	470uF, 100V, 105°C, radial	2200uF, 25V, 85°C, axial
220uF, 50V, 105°C, radial	680uF, 10V, 105°C, radial	2200uF, 20%, 25V, 105°C, radial
220uF, 100V, 85°C, axial	680uF, 16V, 105°C, radial	2200uF, 50V, 85°C, axial
220uF, 100V, 105°C, radial	680uF, 25V, 105°C, radial	3300uF, 10V, 105°C, radial
330uF, 10V, 105°C, radial	680uF, 50V, 105°C, radial	3300uF, 25V, 85°C, radial
330uF, 16V, 105°C, radial	680uF, 100V, 105°C, radial	4700uF, 16V, 85°C, axial
330uF, 25V, 85°C, axial	820uF, 10V, 105°C, radial	4700uF, 25V, 85°C, radial
330uF, 25V, 105°C, radial	820uF, 16V, 105°C, radial	6800uF, 16V, 105°C, axial
330uF, 50V, 85°C, axial	820uF, 25V, 105°C, radial	10000uF, 25V, 20%, axial
330uF, 50V, 105°C, axial	820uF, 50V, 105°C, radial	

D-sub, Ribbon, Cinch, and Test Connectors

D-sub Connectors

Hood	Male Solder Cup	Female
9 Pin	9 Pin	9 Pin
15 Pin	15 Pin	15 Pin
25 Pin	25 Pin	25 Pin
37 Pin	37 Pin	37 Pin

DB-9 Gender Changer M-M
DB-9 Gender Changer F-F

Dip Ribbon Connector

14 Pin 16 Pin

Ribbon Connectors

DE9M	DA15F
DE9F	DB25M
DA15M	DB25F

Ribbon Socket Connectors

10 Pin	20 Pin	40 Pin
14 Pin	26 Pin	50 Pin
16 Pin	34 Pin	60 Pin

Centronics Connectors

Male	Female
24 Pin	24 Pin
36 Pin	36 Pin
50 Pin	50 Pin

Connectors, Continued

Cinch Connectors

Panel Plug	Panel Socket	Cable Plug	Cable Socket
2 Cond	2 Cond	2 Cond	2 Cond
3 Cond	3 Cond	3 Cond	3 Cond
4 Cond	4 Cond	4 Cond	4 Cond
6 Cond	6 Cond	6 Cond	6 Cond
8 Cond	8 Cond	8 Cond	8 Cond
10 Cond	10 Cond	10 Cond	10 Cond
12 Cond	12 Cond	12 Cond	12 Cond

Test Connectors

Mini test jack, horizontal, uninsulated, red
 Mini test jack, horizontal, uninsulated, black
 Standard test jack, horizontal, uninsulated, white
 Standard test jack, horizontal, uninsulated, red
 Standard test jack, horizontal, uninsulated, black
 Standard test jack, horizontal, uninsulated, green
 Standard test jack, horizontal, uninsulated, blue
 Standard test jack, horizontal, uninsulated, violet

Batteries, Battery Holders, Fuse Holders

Batteries

AAA
 AA
 C
 D
 9V
 6V lantern
 12V A23 size
 357/303 button
 A76/CR44 button
 CR2016
 CR2032
 CR2450

Battery Holders

AAA size, metal, solder
 AAA size, plastic, 6" wire leads
 AAA size, 2 batteries, plastic, 6" wire leads
 AAA size, 4 batteries, plastic, 6" wire leads
 AA size, 2 batteries, plastic, 6" wire leads
 AA, size 3 batteries, plastic, 6" wire leads
 AA size, 4 batteries, plastic, 6" wire leads
 AA size, 2 batteries, plastic, PC mount
 AA size, 4 batteries, plastic, PC mount
 AA size, metal, solder
 C size, metal, solder
 D size, metal, solder
 9 V, metal, solder
 9 V, snaps, 6" wire leads
 9 V, plastic, PC mount
 9 V, steel clip
 9 V, male snap, metal, PC mount
 9 V, female snap, metal, PC mount
 12V A23 size, plastic, 6" wire leads
 CR 2032, 20mm, metal, PC mount
 CR 2450, 24.5mm, metal, PC mount

Fuse Holders

Panel Mount
 1-1/4" x 1/4", 250V, 20A
 1-1/4" x 1/4", 250V, 230A

 In-line
 1-1/4" x 1/4", 500V, 10A
 5mm x 20mm, 250V, 10A

 Board Mount
 1-1/4" x 1/4", 15A
 1-1/4" x 1/4"
 5mm x 20mm, 250V, 6.3A

Fuses

AGX	AGC	GMA	ABC	MDL	3AB
1/32A	1/32A	1/16A mini	6A	1/100A	10A, 250V
1/16A	1/16A	1/8A	10A	1/32A	SB 12A
1/8A	1/8A	1/4A	20A	1/16A	250V SB
1/4A	1/4A	1/2A		1/10A	15A, 250V SB
1/2A	1/2A	1.6A		1/8A	
3/4A	3/4A	2A		2/10A	
1A	1A	3.15A fast		1/4A	
2A	1.5A	5A		3/8A	
3A	2A	10A		1/2A	
	3A			8/10A	
	5A			1A	
	6A			1.5A	
	8A			2A	
	10A			3A	
	15A			4A	
				5A	
				8A	
				10A	
				15A	
				20A	
GMC	KLK				
3.5A	15A, 600V				

Header Strips

72 Pin Header Strip, .1"

Double Row Male Wire Wrap

Double Row Male Solder

Double Row Female Solder

Header Strip, female, .1" solder

2 pin 7 pin 12 pin

3 pin 8 pin 14 pin

4 pin 9 pin 16 pin

5 pin 10 pin

6 pin 11 pin

Header Strip, male, .1" solder

6 pin 8 pin

Stackable Header Strip, .1"

6 pin 8 pin 9 pin

36 Pin Header Strip, .1"

Single Row Male Wire Wrap

Single Row Male Solder

Single Row Female Solder

Header Strip, male, right angle, .1" solder

5 pin

10 pin

36 pin

Grabbers and Alligator Clips

Alligator Clips

Very small steel, BU-30, 5A
Very small copper, BU-30, 5A
Very small copper, BU-34C, no teeth, 5A
Small, its banana plug, BU-60, steel, 10A
Large heavy duty steel, BU-24A, 25A
Small heavy duty steel, BU-45, 5A
Crocodile style, steel, BU-85, 5A

Alligator Clip Boots

Black, fits BU-24A
Red, fits BU-24A
Black, fits BU-30
Red, fits BU-30
Black, fits BU-60
Red, fits BU-60
Black, fits BU-85
Red, fits BU-85

Grabbers

Pomona Mini-Grabber #3925-R
Pomona Mini-Grabber #3925-B
BNC Female to 2 Mini-Grabber Hooks

Misc. Clips

Battery clip, black, BU-46C, Red , 75A
Battery clip, red, BU-46C, Red , 75A

Alligator Clip Test Leads

Set of 3
Set of 10

IC Sockets, Tags

Solder Tail

4 Pin
6 Pin
8 Pin
14 Pin
16 Pin
20 Pin
24 Pin
24 Pin SLP
28 Pin
40 Pin

ZIF socket

40 pin

Wire-Wrap

8 Pin
14 Pin
16 Pin
18 Pin
20 Pin
22 Pin
24 Pin
28 Pin
40 Pin
64 Pin

Component Carrier

14 Pin
16 Pin
24 Pin
40 Pin

ID Tags

14 Pin
16 Pin
20 Pin
24 Pin
28 Pin
40 Pin

Surface Mount Adaptors

SOIC to 8 pin DIP
SOIC to 8 pin SIP
SOIC to 14 pin DIP
SOIC to 16 pin DIP
SOIC to 20 pin DIP
MSOP-8 to 8 pin SIP
SOT 23-5 to 5 pin SIP
SOT-363 to 6 pin SIP
SOT-23-6 to 6 pin SIP
SMT parts to 16 pin DIP

Integrated Circuits

Logic ICs

74LS00	74LS76	74LS157	74C04	74HU04	CD 4013	7448
74LS02	74LS83	74LS163	74C08	74HC08	CD 4026	7451
74LS04	74LS85	74LS164	74C48	74HC14	CD 4027	7470
74LS07	74LS86	74LS169	74C76	74HC74	7400	7473
74LS08	74LS90	74LS175	74C93	74HC86	7402	7474
74LS09	74LS123	74LS193	74C154	74HC112	7404	7476
74LS11	74LS125	74LS194	74C164	74HC154	7427	7486
74LS32	74LS138	74LS221	74C195	74HC164	7432	7493
74LS73	74LS139	74LS240	74HC00	CD 4001	7438	
74LS74	74LS153	74LS283	74HC02	CD 4010	7446	
74LS75	74LS155	74LS374	74HC04	CD 4011	7447	

PIC and PIC Support

ADM 3202 ANZ
 MAX202 CPE+
 MAX 3202
 PIC 12F675 - I/P
 PIC 12F683 - I/P
 PIC 12LF1572 - I/P
 PIC16F627A - I/P
 PIC16F1708 - I/P
 PIC 18LF4550 - I/P
 PIC 18F4520 - I/P
 PIC 24FJ64GA002-I/SP

OP-AMPS

INA128	LM386N-1	LM833N	AD623	LF412CN
LM301N	LM386N-3	LM1496N	AD817	LT1016
LM311N	LM386N-4	LM2937	LM7905	OP97
LM317T	LM387N	LM2940T	LM7912	OP177
LM318N	LM393N	LM3900N	LM7915	OPA 604
LM324N	LMC555	LM6171	LM7924	TL071CP
LM334Z	LM555CN	LM6172	LMC6081	TL072CP
LM336Z-2.5	LM556N	LM6181	LMC6082	TL074CN
LM336Z-5.0	LMC556	LM7171	LF347N	TLC27M2
LM337T	LM565N	LM7805T	LF351N	TLE2426
LM339N	LM566CN	LM7812T	LF353	
LM340T	LMC660N	LM7815T	LF355N	
LM348N	LMC662CN	LM7824	LF356N	
LM358N	LM741CN	LT1006	LF398N	
LM380N	LM747N	LT1112	LF411CN	
LM384N	LM748N	AD620		

DC/DC Converters

TL7660
 R-78 E 5.0-0.5
 R-78 E 3.3-0.5

Voltage Inverter

TL7660

Miscellaneous ICs

NE558
 ICL8038
 MCT2
 ADC0804
 AD8056
 RCA4559P
 DRV 8835
 HCPL 2601
 4N33
 4N35
 SA602AN

Linear IC Application Chart

General Purpose	Depot P/N	Driver/Receiver	Depot P/N	High Speed, Low Power	Depot P/N
Op Amp	100-	100-	100-	100-	100-
LM301N	1165	ADM3202ANZ	1285	LM6171	1259
LM324N	1222	Audio		LM6172	1263
LM348N	1167	LM380N	1251	AD817	1296
LM358N	1168	LM384N	1248	Very High Speed, High Current	
LMC660N	1233	LM386N-1	1229	LM7171	1260
LMC662CN	1234	LM386N-3	1280	Low Power, High Precision	
LM741CN	1171	LM386N-4	1228	LT1006	1283
LM747N	1172	LM387N	1203	LT1112	1270
LM748N	1176	LM833N	1255	OP97	1269
LM3900N	1169	JFET Input		TLC27M2	1218
Comparator		LF347N	1223	INA128	1302
LM311N	1195	LF351N	1174	Low Drift Low Power Instrumentation	
LM339N	1197	LF353	1173	AD620	1274
		LF355N	1224	AD623	1282
LM393N	1279	LF356N	1175	OP177	1303
LT1016	1312	LF398N	1205	Optocoupler	
High Speed Precision		LF411CN	1226	HCPL 2601	409-1003
LM318N	1166	LF412CN	1227	MCT2	409-1002
RCA4559P	1268	TLO71CP	1178	4N33	409-1001
Precision CMOS		TLO72CP	1179	4N35	409-1000
LM318N	1166	TLO74CN	1180	A/D, D/A	
RCA4559P	1268	OPA604	1284	ADC0804	1242
Dual Motor Driver		Voltage Inverter		MCP4821	1267
DRV 8835	4000	TL7660	1298	Mixer/ Oscillator	
H-Bridge		Dual Voltage Feedback Amp		SA602AN	1245
754410	4001	AD8056ANZ	1313	Modulator/	
Voltage Regulator/ Ref		DC/DC Converter		LM1496N	1201
LM2940T	1283	R-78 E 5.0-0.5	1299	Current Feedback	
LM336Z-2.5	1210	R-78 E 3.3-0.5	1300	LM6181	1315
LM336Z-5.0	1211	Current Source		Rail Splitter	
LM317T	1181	LM334Z	1202	TLE2426	1316
LM337T	1182	Timer			
LM340T	1262	LMC555	1235		
LM7805T	1183	LM555CN	1206		
LM7812T	1184	LM556N	1207		
LM7815T	1185	LMC556	1236		
LM7824	1186	NE558	1237		
LM7905	1187	PLL/VCO			
LM7912	1188	ICL8038	1209		
LM7915	1189	LM565N	1208		
LM7924	1190	LM566CN	1204		
LM2937	1275				

Knobs, Heat-sinks

Knobs

Mouser 45KN023
Raytheon 407R1K1
Mouser 45KN012
Mouser 45KN021
ALCO 50B1/8
Mouser 45KN019
Mouser MPKE90B 1/4

Heat Sinks

Wakefield 201CD	for TO-92
Wakefield 292AB	for TO-92
Wakefield 207AB	for TO-5
Wakefield 222CB	for TO-92
Themalloy 2225B	for TO-3
Themalloy 2227A	for TO-3
AAVID 5077302	for TO-220
AAVID 5073	for TO-220

Test Probes

Pomona 5075-0 BLACK
Pomona 5075-2 RED

Potentiometers

H.M. Trim Pot

Ohm	K Ohm	M Ohm
50	1	1
100	2	2
200	5	
500	10	
	20	
	25	
	50	
	100	
	200	
	250	
	500	

V.M Trim Pot

Ohm	K Ohm	M Ohm
10	1	1
20	2	2
50	5	5
100	10	
200	20	
500	25	
	50	
	100	
	200	
	250	
	500	

V.M Trim Pot

Trim Pot
100 Ohm
50 K ohm

Mini Pot

K Ohm	M Ohm
1	1
10	
50	
100	
250	
500	

2 Watt Pots S.T.

Ohm	K Ohm	M Ohm
50	1	1
100	1.5	1.5
150	2.5	3.5
250	3.5	5
350	5	
500	7.5	
750	10	
	15	
	25	
	35	
	50	
	75	
	100	
	350	
	500	
	750	

Single Turn PC Mount

1 K Ohm
10 K Ohm
50 K Ohm
100 K Ohm
1 M Ohm

Single Turn Breadboard Mount

10 K Ohm

Digital IC Application Chart

Quad 2-input NAND gate	D Flip Flop, Dual	4-bit Binary Full Adder
7400 -1000	7474 -1019	74LS83 -1054
74LS00 -1035	74LS74 -1051	74LS283 -1083
74HC00 -1156	74HC74 -1258	4 Bit Magnitude Comparator
CD4011 -1292	CD4013 -1293	74LS85 -1055
Quad 2-input NOR gate	D Flip Flop, Quad	Dual Monostable Multivibrator
7402 -1001	74LS175 -1073	74LS123 -1061
74LS02 -1036	D Flip Flop, Octal	74LS221 -1076
74HC02 -1305	74LS374 -1087	Dual 4 to 1 Multiplexer
CD4001 -1160	J-K Flip Flop	74LS153 -1066
Hex Inverter	7470 -1017	Quad 2 to 1 Multiplexer
7404 -1002		74LS157 -1068
74LS04 -1037	J-K Flip Flop, Dual	2 to 4 decoder/demultiplexer
74C04 -1103	7473 -1018	74LS138 -1063
74HC04 -1306	7476 -1021	Dual 2 to 4 decoder/demultiplexer
74HCU04 -1157	74LS73 -1050	74LS155 -1067
Hex inverter, Schmitt trigger	74LS76 -1053	3 to 8 decoder/demultiplexer
74HC14 -1311	74C76 -1114	74LS138 -1063
CD40106 -1291	74HC112 -1310	4 to 16 decoder/demultiplexer
Hex buffer/driver	CD 4027 -1308	74HC154 -1123
74LS07 -1038	Quad Latch	BCD to 7 Segment Decoder/Driver
Quad Tri-state Buffer	74LS75 -1052	7446 -1013
74LS125 -1062	4 Bit Binary Counter	7447 -1014
Octal buffer/drvr/rcvr,tri-state	7493 -1024	7448 -1015
74LS240 -1077	74C93 -1118	74C48 -1111
Triple 3-input NOR gate	74LS163 -1070	HEF4543B -1278
7427 -1009	74LS169 -1093	
Quad 2-input OR gate	4 Bit Binary/Decade Counter	
7432 -1010	74LS90 -1057	
74LS32 -1048	4 Bit Binary Up/Down Counter	
Quad XOR gate	74LS93 -1074	
7486 -1022	Decade Counter, 7 Segment display output	
74HC86 -1309	74LS90 -1057	
74LS86 -1056	CD4026 -1294	
Quad 2-input AND gate	4 Bit Shift Register	
74LS08 -1039	74C195 -1136	
74C08 -1104	4 Bit Bi-directional Shift Register	
74HC08 -1307	74C195 -1075	
Quad 2-input AND gate (OC)	8 Bit Shift Register, Serial In/Parallel Out	
74LS09 -1040	74LS164 -1071	
Triple 3-input AND gate	74C164 -1129	
74LS11 -1042	74HC164 -1130	
AND-OR-INVERT gate		
7451 -1016		

Rubber Feet, Grommets, Strain Relief, Barrier Strips

Rubber Feet

Adhesive Large Depressed
 Adhesive Large Flat
 Adhesive Large Tapered
 Adhesive Large
 Adhesive Small Tapered
 Tack On Small
 Press-In Small Depressed

Grommets

1/8" ID
 3/16" ID
 1/4" ID
 3/8" ID
 1/2" ID
 9/16" ID
 5/8 ID

Strain Relief

5/8"
 1/2"
 3/8"
 Flat Wire

Barrier Strips

2 Term
 4 Term
 6 Term
 7 Term
 8 Term
 9 Term
 10 Term
 11 Term
 Barrier Strip Jumper

Spade, Lug, Ring Connectors, LEDs, Lamps

Red 22-18 ga ring connectors

#4
 #6
 #8
 #10
 1/4"
 butt connector

Blue 16-14 ga ring connectors

#4
 #6
 #8
 #10
 1/4"
 butt connector

Yellow 10-12ga ring connectors

#6
 #8
 #10
 1/4"
 3/8"
 butt connector

Red spade connector 22-18ga

#6
 #8
 #10
 quick disc male red 22-18 ga, .25"
 quick disc female red 22-18 ga, .25"
 quick disc male red #6
 quick disc male red 22-18ga, .187
 quick disc female red 22-18ga, .187"

Blue 16-14 ga spade

#6
 #8
 #10
 quick disc male blue 16-14
 quick disc female blue 16-14

Yellow 10-12ga spade

#6
 #8
 #10
 quick disconnect male 10-12 ga
 quick disconnect female 10-12 ga

LED Strip

1x8 RGB Addressable
 4 meter long RGB Addressable

LED Matrix

8x8 red
 8x8 RGB addressable

LED Bar Graph

10 Segment red
 10 segment green

Wire Nut

Orange
 Yellow
 Red
 Blue
 Gray

Lamp

Neon IDI 2110A1
 #222
 # 43
 PR 2 CM755

LED

Red
 Orange
 Yellow
 Green
 Blue
 Violet
 White
 RGB Infrared
 RGB addressable

LCD Display

16 char x 2 line
 16 char x 2 line RGB, backlight
 8 char x 2 line I2C, 3.3V

LED Display, 7 segment

Dual red, CA
 Single red, CA, 3.9 mcd
 Single red, CA, 5 mcd
 Single red, CA 12 mcd
 Single red, CC, .42 mcd
 Triple red, CC, 5.6 mcd

Switches

Pushbutton

MOM Contact, Tiny
 MOM Contact, Small
 MOM Contact, Big
 MOM Break, Small
 MOM Break, Big
 MOM Contact
 MOM Contact, PC mount, 6 mm
 MOM Contact, PC mount, 12 mm
 Assorted 12 mm, PC mount

Toggle

SPST Big
 SPDT Small
 SPDT Big
 DPDT Small
 SPDT Center Off
 DPDT Center Off
 SPST 3A 250V
 SPST 15A 125V

Slide

SPST
 SPDT
 DPDT
 SPDT MOM Contact

DIP

4 position
 8 position
 12 position

Rocker

120 VAC lighted, SPST, 20A
 120 VAC lighted, SPST, 10A
 12 VDC lighted, SPST, 10A
 Momentary, SPDT, 10A
 DPST, 16A
 DPDT, 13A

Keypad

4x4 matrix

In-Line

Feed Thru

Wire

Hookup Wire-Solid, 300V Max

	AWG	30	24	22	20	18	16
Color							
Black		x	x	x	x	x	
Red		x	x	x	x		x
Yellow		x	x	x	x	x	x
Green		x	x	x	x	x	x
Blue		x	x	x	x		
White			x	x	x		x

Hookup Wire-Solid, 600V Max

	AWG	18	16
Color			
Black		x	x
Red		x	x
Yellow		x	
Green		x	x
Blue		x	
White		x	x

Hookup Wire-Solid, 1000V Max

AWG	20	18	16
Color			
Black			
Red			
Yellow			
Green	x	x	
Blue	x		x
White	x		

Hookup Wire-Stranded, 600V Max

	AWG	24	20	18	16	14
Color						
Black		x	x	x	x	
Red		x		x	x	x
Yellow				x	x	x
Green				x	x	
Grn/Yel						x
Blue			x	x	x	
White		x	x	x	x	x

Hookup Wire-Stranded, 300V Max

	AWG	30	28	26	24	22	20	18
Color								
Black		x	x	x	x	x	x	x
Red		x	x	x	x	x		
Yellow		x	x	x	x	x	x	
Green		x	x	x	x	x	x	x
Grn/Yel								
Blue		x	x	x	x	x	x	x
White		x	x	x	x	x	x	x

Bus Bar Wire AWG

14 18
 16 24

Magnet Wire AWG

16 24
 18 26
 20 28
 22 30

Cable

Multiconductor Cable

2 conductor shielded AWG 18
 4 conductor unshielded AWG 28, Flat
 4 conductor shielded AWG 20
 5 conductor shielded AWG 20
 6 conductor shielded AWG 24
 10 conductor unshielded AWG 22
 10 conductor shielded AWG 24
 15 conductor shielded AWG 24
 25 conductor shielded AWG 24

Coaxial Cable

RG-6
 RG-8
 RG-58
 RG-178

Ribbon Cable

10 conductor, 5' length
 25 conductor
 50 conductor

Transistors

Silicon NPN

General Purpose

P/N	110-
2N718	1003
2N3393	1079
2N3394	1026
2N3904	1031
2N4401	1033
2N6014	1044
PN2222	1010

Power

P/N	110-
2N3055	1047
2N3771	1049
D40C7	1052

rf

P/N	110-
2N5134	1036

Switching

P/N	110-
2N2222	1009
PN2369	1011

Darlington Pair

P/N	110-
TIP 120	1080
TIP 140	1083

Silicon PNP

General Purpose

P/N	110-
2N2862	1018
2N3906	1032
2N4403	1034
2N5817	1040
D45C5	1055

Power

P/N	110-
MJ2955	1046
TIP127	1051

rf

P/N	110-
D41D8	1054
SK3118	1041

Switching

P/N	110-
2N2907A	1019

Triac

P/N	110-
L4004L3	1081
SC146B	1060

N-Channel JFET

General Purpose

P/N	110-
2N5458	1063
2N5485	1064

N-Channel MOSFET

P/N	110-
2N4416	1062
3N139	1066
2N7000	1076
R5016FNX	1082
IRFD110	1085
IRF520N	1086
IRL520	1087

P-Channel MOSFET

P/N	110-
NDP6020P	1072
IRFD9010	1084

N-Channel MOSFET

Matched Pair

P/N	110-
ALD1116PAL	2000

NPN Array

P/N	110-
CA3083	2002
ULN2003	2003

Custom Cable Parts

Crimp Connector Housings, 0.1" spacing

Single row (# of Pins)

1	2	3	4	5	6
7	8	9	10	12	16

Double row (# of Pins)

2	3	4	5	6
7	8	8	10	12

Wire with pre-crimped terminals, assorted colors

female - female	3", 6", 12" lengths
female - male	3", 6", 12" lengths
male - male	3", 6", 12" lengths

Miscellaneous Parts

Resistor Network

100 Ohm, 8 isolated, 16 pin
 270 Ohm, 8 isolated, 16 pin
 330 Ohm, 8 isolated, 16 pin
 470 Ohm, 8 isolated, 16 pin
 1.8K Ohm, 8 isolated, 16 pin
 2.2K Ohm, 7 pullup, 8 pin

Relay

SSR, 10mA, 240V, 1.2A, 8-DIP
 Reed, 500 MA, DPST, 12V@24mA, DIP
 Power, SPDT, 12VDC, 16A@250VAC
 Automotive, SPDT, 40A@12V
 Power, DPDT, 12VDC, 5A@250VAC
 1 Ch. Relay Module, 5V, 10A@ 250VAC
 2 Ch. Relay Module, 5V, 10A@ 250VAC

Plastic Storage Boxes

Plano 5231 double cover
 Plano 3750, 14" x 9" x 2"
 Plano 3650, 11" x 7.5" x 2"
 Really Useful Box, 8" x 4" x 2"

Solar Cell

2VDC, 89 mW, 44.6mA, 43mm x 14mm

Metal Oxide Varistor

340V, 35J, 2500A, 130VAC, 170VDC

Speakers

8 Ohm, 23mm dia, wire leads, .25W
 8 Ohm, 40mm dia., 88 dB, 100mW
 8 Ohm, 28mm dia., wire leads, 87dB, 2W
 8 Ohm, 57mm, round, 3W
 8 Ohm, 66mm square, 3W
 16 Ohm, 2" dia., wire leads, 82dB, 1W

Static Protection

Wrist strap
 Wrist strap and cord
 Anti-static bag, 4" x 6", reclosable
 Anti-static bag, 6" x 8", reclosable
 Anti-static bubble bag, 4" x 3.5", sealable
 Anti-static foam, 1' x 2'

Electrode

ECG Electrode

Buzzer

4.50KHZ, 3-28VDC, 85dB

Crystals

2.4576 MHz
 3.6864 MHz
 4.000 MHz
 8.000 MHz
 10.000 MHz
 12.000 MHz
 16.000 MHz
 20.000 MHz
 32.000 MHz

Magnets

N38, cyl, 18mm x 18 mm
 N48 cyl, 1/8" x 1/8"

Joystick

Thumb Joystick

Circuit Board Mounting Hardware

Machine Screws

2-56, 1/4" long, steel
2-56, 1/2" long, steel or nylon
4-40, 1/4" long, steel or nylon

4-40, 3/8" long, steel or nylon
4-40, 1/2" long, steel or nylon
4-40, 3/4" long, nylon
6-32, 1/4" long, steel or nylon
6-32, 3/8" long, steel
6-32, 1/2" long, steel or nylon
6-32, 3/4" long, steel
6-32, 1/4" long, nylon
8-32, 3/8" long, steel
8-32, 1/2" long, steel
8-32, 1" long, nylon
10-32, 1" long, nylon

Sheet Metal Screws

#4, 3/8" long
#4, 1/2" long
#4, 1" long
#6, 3/8" long
#6, 1/2" long
#8, 3/8" long
#8, 1/2" long

Standoff Spacer

1/2", hex, 6-32 thread, plastic
1", hex, 4-40 thread, nylon, m/f
1/4", hex, 6-32 thread, al
1/2", round, 6-32 thread, al
1/2", hex, 4-40 thread, al, m/f

1/2", hex, 6-32 thread, al, m/f
1", hex, 6-32 thread, al
1", hex, 6-32 thread, al, m/f

Nut

#2, steel or nylon
#4, steel or nylon
#6, steel or nylon
#8, steel or nylon
#10, nylon

Lock Washer, Internal

#2
#4
#6
#8

Flat Washer

#2, steel or nylon

#4, steel or nylon
#6, steel or nylon
#8, steel or nylon
#10, nylon

Solder, Soldering Tools, and Replacement Parts

Replacement Parts

Tip, Ungar PL331
Tip, Ungar PL333
Tip, Ungar 332
Tip, Weller 8125
Tip, Weller ETA
Tip, Weller ETO
Tip, Weller PTA7
Tip, Weller PTS7
Tip, Weller ST6
Iron heater, Weller 12345S, 33W
Iron heater, Weller 4035S, 45W
Barrel nut assembly for PES50 & 51

Solder

63/37, RMA flux, .015" dia.
60/40, RA flux, .025" dia.
63/37, RA flux, .040" dia.
96.5/3/0.5 (Lead free),
no-clean flux, .031" dia.

Soldering Tools

Soldering iron, Weller WP35, 35W pencil
Soldering gun kit, Northern Ind., 150W
Soldering iron stand
Soldering iron sponge
Flux pen, 186 RMA
Flux pen, 2331ZX water soluble
Flux pen, 952 no-clean
Liquid flux dispenser
Desolder pump
Desolder pump tip
Desoldering braid, .050" x 5'
Desoldering braid, .075" x 5'
Desoldering braid, .100" x 5'

Programmers, Development Systems

Arduino Uno R3
Arduino Prototyping Shield
Basys 2
Basys 3
Bluetooth module, RS232, wireless

Particle Shield shield for Photon
Photon
PICKit 3
Raspberry Pi Model B+
ST-LINK Debugger/Programmer
Chipkit PGM programmer/debugger

Prototyping Tools

Solderless Breadboards

170 point, white
170 point, colors
400 point, 2 bus strips
830 point, 2 bus strips

Boards

Vector board
Protoboard
4" x 6", PTH
2" x 3", PTH
400 point breadboard
830 point breadboard
Snappable protoboard
228 point mint tin size
20 pin SIP protoboard

Wires

Wire kit, 140 pc
Male to male jumpers
Male to female jumpers
Female to female jumpers

Test & Measurement Equipment

DMM with temp probe, 1%, 3-1/2 digit

Safety Supplies

Gloves

Exam, Nitrile, powder and latex-free, medium
Exam, Nitrile, powder and latex-free, large

Hearing Protection

Ear plugs, NRR 30/SNT 34

Safety Glasses

Indoor/Outdoor
Over glasses style
Goggles, anti-fog

Mask

Dust masks

Cleaning Supplies

Towels

Paper, roll
Shop, red fabric
Shop, roll of 55

Hand Cleaners

Soap, pumice bar
GOJO natural orange pumice, 7.5 oz. liquid
GOJO natural orange smooth, 1 gal liquid

Misc.

Scour pad, Scotch-Brite heavy duty Glass cleaner, Daybright
Windex, 32 oz.
Duster, HFC-134a, 10 oz. can
Contact Cleaner, Ton-O-Wash, 12.5 oz.
Baking Soda, refrigerator box

Tape and Adhesives

Tape

Duct tape, silver, roll
Duct tape, red, roll
Electrical tape, roll
Masking tape, roll
Packaging tape, heavy duty, roll
Packaging tape, heavy duty, roll with dispenser
Hook and loop self adhesive dots, pair
Teflon tape, 1/2" width
Wire marker tape, roll

Adhesives

RTV silicone adhesive sealant, clear, tube
Multipurpose, clear, 2 oz. tube
Multipurpose, clear, prec. appl. 1.25 oz. bottle
Super glue gel, 2 pack, 10 g total
Epoxy, 5-min set, bubble pack
Epoxy, J-B weld
Epoxy, 2-part liquid, 2-4 oz. bottle
Gorilla Glue, 10 oz. bottle
Wood glue, gal
Glue gun, mini
Glue sticks, hot gun, pack of 25
Squeeze bottle, 16 oz.

Chemicals

Lubricants

WD-40 spray lubricant, multipurpose, 3 oz. can
Rawn RIP3 lubricant, 12 oz. can
LPS2 heavy duty lubricant, 11 oz. can
3-in-one multipurpose oil, 3 oz can

Freeze Spray

-62° F, 10 oz. #1672-10S
Antistatic, -40° F, 10 oz. #1747-10S

Various

Distilled water, gal
Butane, 5.5 oz. can
Thermal paste, silicon based, 4 gm
Thermal paste, silicone-free, 7 gm

Misc. Cables

USB

USB A male to USB B male, 6'
USB A male to USB B male, 16'
USB A male to USB A female, 6'
USB A male to USB B male mini, 6'
USB A male to USB B male micro, 6"
USB A male to USB B male micro, 3'
USB A male to USB B male micro, 6'
USB A male to USB A male, 6 1/2'

Stereo

Plug to Plug, 3ft
Plug to Plug, retractable, 6ft
Plug to flush cut end, 1.5 ft.

HDMI

HDMI male to HDMI male, 3'
HDMI male to DVI-D male (19 pin), 2 meters
HDMI male to HDMI micro male, 6'
HDMI male to VGA HD-15 male, 6'

Ethernet

Ethernet cat 5E, plug to plug, with boot, 10'
Ethernet cat 6, plug to plug, 15'

LCD Display

4 wire, 8" long

Project Boxes

ABS plastic boxes

4.6" x 3.1" x 1.8"
4.6" x 4.6" x 2.3"
6.1" x 4.6" x 2.3"
7.6" x 4.61" x 2.36"
8.7" x 5.91" x 2.5"

Polycarbonate plastic boxes

4.4" x 3.2" x 1.8"
6.73" x 4.76" x 2.17"

Plug In Power Adaptors

5V, 1A, 5 ft. cable with 2.1 mm barrel jack
5V, 2.2A, 5 ft. cable with micro USB
5.25V, 1A, USB port
9V, 1A, 5 ft. cable with 2.1 mm barrel jack
12V, 1A, 5 ft. cable with 2.1 m barrel jack
15V, 1.6A, 5 ft. cable with 2.1 m barrel jack

Sensors

Acceleration

3 Axis accelerometer board

Distance

Ultrasonic ranging, 2 - 400cm

Electrical current

0.01 Ohm resistor, 3%, 1W

0.1 Ohm resistor, 1% 1W

Light - Phototransistors

NPN, 860 nm, T-1

NPN, 870 nm, T-1-3/4

NPN, 900 nm, T-1

NPN, 940 nm, T-1-3/4

Light - Photocells

3K - 11KOhm, 5.1mm

9K - 20KOhm, 5.1mm

27K - 60KOhm, 5.1mm

80K - 240KOhm, 5.1mm

Magnetism - Hall Effect IC

Ultra-sensitive

Latching

Magnetism - Reed switch

100VDC, 500mA, 10W

Position

Limit, SPDT, 125V, 10A

Moisture

Soil moisture sensor, resistive

Motion

PIR motion sensor with cable

Sound - Microphone

Electret condenser, 9.7mm dia.

Omnidirectional, 2.2 KOhm, PC mount

Temperature - Thermistor

NTC, 50mm, 2K Ohm, 1%

NTC, 50mm, 10K Ohm, 1%

NTC, 50mm, 10K Ohm, 5%

NTC, 50mm, 100K Ohm, 1%

Temperature - IC

-40°C - 125°C

0°C - 50°C, digital with humidity output

Actuators

Solenoids

mini push-pull

water valve

DC Motors

1-3 VDC

3-6 VDC

Servomotors

Servo, 4.8-6.0 VDC

Servo Hitec HS-311

Audio Connectors

RCA

plugs and jacks, in-line
jacks, panel mount

1/4" Phone

stereo and mono plugs, in-line
stereo and mono jacks, panel mount

3.5mm

stereo and mono plugs, in-line
stereo and mono jacks, panel mount
stereo jack, in-line
stereo jack, PC mount

2.5mm

mono plug, in-line
mono jack, panel mount
mono jack, PC mount
mono jack, PC mount, right angle

DC Power Connectors

2.1mm

female plug, in-line
female plug to terminal block adapter
male jack to terminal block adapter
male jack, in-line
male jack, PC mount
male jack with switch, PC or BB mount
male jack, panel mount
male jack to 9V battery clip