

COMPONENTS ON THIS LIST ARE FREE

These are supplied only as a courtesy.

They are donated/surplus parts.

ASK AT THE STOCKROOM WINDOW

This list is on the web at the address below
<http://www.csupomona.edu/~ece/department/labs/components.html>

EPROMS 2716, 2764, 27C128, 27C256

DIP SWITCH 4, 6, 7, 9, 10 & 12 position

PUSH-BUTTON SWITCH S.P.S.T.

TTL LOGIC GATES assorted (74XX(X) series) (OUT of SOME)

SRAM 2114 - 3 (static ram) 1K X 4 150 nS (limit 4 p/s)

LED red (limit - see note below)

LED green (limit - see note below)

LED yellow (limit - see note below)

You may have a total of 12 LEDs per student (above, any combination)

SEVEN SEGMENT DISPLAY (dual) (common anode)

LED BAR GRAPH DISPLAY each with 3 colors (red, yellow, green)

LED PACKAGE (4 green *or* 3 green & 1 yellow) in one package

DIODE 1N904 Si high speed switch 30 V 10 mA 4 ns (limit 4 p/s)

DIODE 1N270 Ge 100 V 200mA

DIODE 1N485B Si General Purpose 200 V 100mA

DIODE 1N4003 Si Rectifier 200 V 1A

DIODE 1N4007 Si Rectifier 1000 V 1A

DIODE 1N5404 Si POWER 400 V 4 A

DIODE 1N3723 Si POWER 600V 3A

DIODE, ZENER 1N4748 22 V 1 W

DIODE, ZENER 1N4735A 6.2 V 1 W

DIODE, ZENER 1N752 5.6 V .4 W

RECTIFIER, SCHOTTKY 1N5819 40 V 1 A

RECTIFIER, BRIDGE KBP04 400 V 1.5 A

RECTIFIER, BRIDGE BR81D 100 V 2.0 A

RECTIFIER, BRIDGE 2KBP01 100V 2.0A

VOLTAGE REGULATOR (LDO) LM2951 (adjustable)

VOLTAGE REGULATOR 7805 (+5 volt @ 1 amp)

VOLTAGE REGULATOR LM341T-5 (+5 volt @ 1/2 amp)

VOLTAGE REGULATOR 7812 (+12 volt @ 1 amp)

VOLTAGE REGULATOR LM341T-12 (+12 volt @ 1/2 amp)

VOLTAGE REGULATOR LM341T-15 (+15 volt @ 1/2 amp)

TRANSISTOR 2N3904 Si NPN 40 V .2 A .625 W (limit 5 p/s)

TRANSISTOR MPS918 Si NPN 30 V 50mA .85W

TRANSISTOR 2N3906 Si PNP 40 V .2 A .35 W (limit 5 p/s)

TRANSISTOR PN3646 Si NPN 15 V .3 A

TRANSISTOR (no part number or data) Si NPN

TRANSISTOR MJE5731A Si PNP 375 V 1 A (limit 4 p/s)

TRANSISTOR TIP31B Si NPN 80V 3A

TRANSISTOR BDX34D Si PNP 120V 10A (Darlington)

TRANSISTOR 2N4401 Si NPN 40V 600ma (250Mhz)

TRANSISTOR MJF45H11 PNP 80V 10A

TRANSISTOR 2N3563 NPN 30V 50ma (600Mhz)

TRANSISTOR 2N3569 NPN 80V 500ma

TRANSISTOR MPS A44 NPN 400V 300ma

TRIAC 2N6075 600V 4A

MOSFET VN0106N3 Si. N-channel 60 V .5A .6 W (limit 6 p/s)

MOSFET VQ1000P Quad Si. N-channel 60V .225A 1.3W (limit 2 p/s)

J-FET 2N5462 Si P-channel 40 V

J-FET 2N3819 Si N-channel 25 V 100 ma

J-FET J111 Si N-channel 35 V

OP-AMP LM741 (dual supply)

OP-AMP LM348 (quad) (dual supply) (LM741 equivalent)

OP-AMP DBL324 (quad) (single supply)

OP-AMP NJM2902 (quad) (single supply)

OP-AMP TLC27L4 (quad) (single supply) (precision)

OP-AMP TLC272A (dual) (single supply) (precision)

ADC TLC549IP 8 BIT Analog to digital converter

DG 390 (dual) S.P.D.T. analog switch

SD5002 (quad) Analog switch array

DUAL TIMER NE556 (dual NE555)

COMPARATOR MC3302 (quad - single supply)

OPTO-INTERRUPTER H22A1 (transistor output)

OPTO-INTERRUPTOR OPB 854A1 (transistor output)

OPTO-INTERRUPTOR OPB 811L1 (wide gap) (transistor output)

OPTO-INTERRUPTOR OPB970N51 (narrow gap) (transistor O. C.)

OPTO-COUPLER 4N36 (Transistor output) 150 mW 150 mA 30 V

OPTO-COUPLER reflective type (no data)

OPTO-COUPLER H11L1 (schmidt output) 100 mW 60 mA 15 V

OPTO-COUPLER ICPL2631 (dual TTL output) 40mW

OPTO-COUPLER CNY171V (NPN transistor output)

OPTO-COUPLER HCPL-2601 (high speed) (TTL output)

THERMISTORS (NTC) (many values)

POTENTIOMETERS (100, 175, 500, 1k, 2k, 5k, 7.5k, 10k, 15k, 20k, 25k, 50k, 100k, 200k, 250k, 500k, 1M, 5M) (Limit 4 p/s)

STAND-OFF 3/4" or 1" #6 - 32 THREAD

JOY STICK x - y

ALLIGATOR CLIPS (small clips only – no wire) (limit 20 p/s)

RIBBON CABLE (ask Mark Bailey)

LIMIT unless otherwise specified - 2 p/s (per student)

MANY OTHER ITEMS NOT LISTED ABOVE

SENIOR PROJECT ONLY

SEE MARK BAILEY