

part ID	value	mouser part	radio shack
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Parts TRC/ LCD top Board

R1,2,3,6,14	10k 1/8 w	CMF5010K000FHEK	
R,7,8,9,12	1 k 1/8 w	594-5063JD1K070F	
R13	33k 1/8 w	299-33K-RC	
R17	22k 1/8 w	299-22K-RC	
D1,3,4	1N914	512-1N914	
T1,3,4,6	2n2222	863-P2N2222AG	
IC 1	74121N	595-SN74121NE4	
C 3,	1. +20 v dc	539-TDC104K035NSE-F	
C2,	.001 50 vdc	598-DMT1D1K-F	
R4	10 k Pot	652-3362S-1-103LF	
IR	QSE114	512-QSE114	
SPK	Flat speaker	665-AS04508MR3R	
2 pin header	Spk, Trip, LED, Alarm	538901200122	
3 pin header	IR	538901200123	
4 pin header	RealTimeClock	538-90120-0124	
12 pin header	LCD	538-90120-0132	
2 pin plug		90156-0142	
3 pin plug		90156-0143	
12 pin plug		538-90156-0152	

LCD	White on Black LCD Arduino ProtoShield Kit Arduino Headers male		
ds1307	Real Time Clock W/battery		

Parts for Prebuilt CPU

DUEMILANOVE & UNO ARDUINO card

Parts for you build CPU Board

perfboard	CPU 3x4		276-168
Regulator	vol reg 5	863-MC7805CTG	
LED Red power	LED 5		276-041
		80-C062T104K1X5CR	
ByPass	.1 uf 100		
Power	DC power plug		
ByPass	3.3 uf 20 vdc	80-T370C335M020	
IC sockets	Two 14 to make one 28 pin	571-1825093-3	
CPU/ xtal/ etc	Atmega328P-PU kit /with		

Parts For LED's / IR /Light

LED RED High bright	LED 1,2,3,4	SSL-LX5093XRC/4	
R5,6,7,8	470 1/4 w	71-RN60C5503B	
t4	IR (INFRARED) PHOTOTRANSISTOR	QSE114	
T7	Light Senc	828-OP550B	
30 guage wire			278-501
Power Supply	12 volt wall wart	419-11210-3	
Wirewrap	Miniwrap Terminals	574-T68/C	

JK Devices

Sparkfun.com Ebay

JKD-LCD-16X2WB

sku: DEV-07914

JKD-H-M1X40

ds1307

JKD-ARD-2011

PJ-102AH

JKD-ARD-BB-KIT

kd-ir-phototransistor