4ms Rotating Clock Divider / Shuffling Clock Multiplier Kit Parts

470 ohm, 1/4W

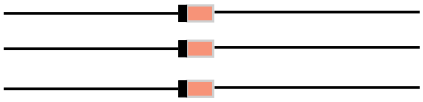
10k

100k

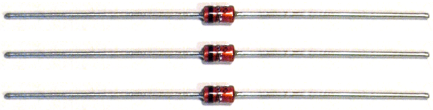
470k x 4

Note: RCD only uses
two 470k resistors

Diode (1N914 or equiv) x 3

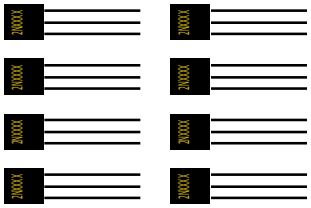


Zener Diode, 5.1V , 1N4733 x 3

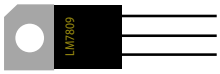


Diode, DO-41 package
(1N4001/4002/4003)

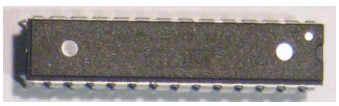
2N5089 x 8



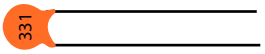
7805



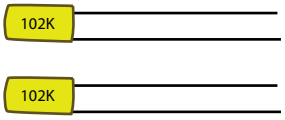
ATMEGA168 (RCD or SCM code)



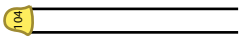
330pF "331"



1000pF "102"
x 2

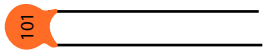


0.1uF "104"



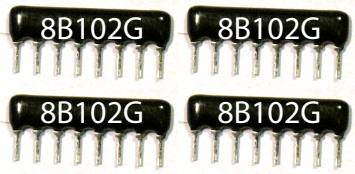
100uF x 2

100pF “101”



Crystal Res
16MHz

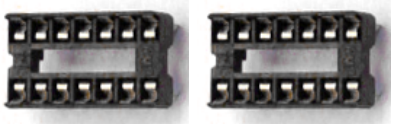
1k Resistor Array
8-pin SIP x 4
Isolated



10k Resistor Array
10-pin SIP Bussed

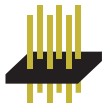
3k9 Resistor Array
10-pin SIP Bussed

14-pin socket x 2

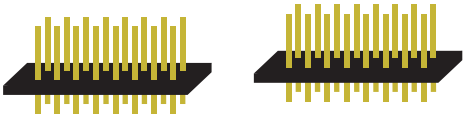


6-pin Header
“YOURDUINO”

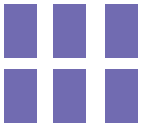
6-pin ISP header



16-pin header x 2



Jumpers x 6



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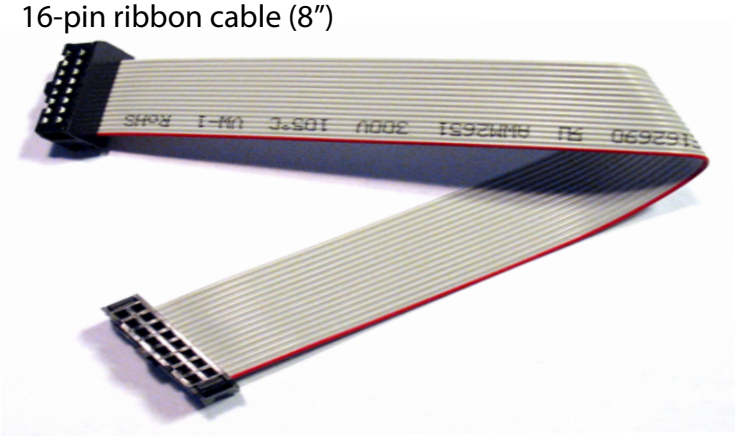
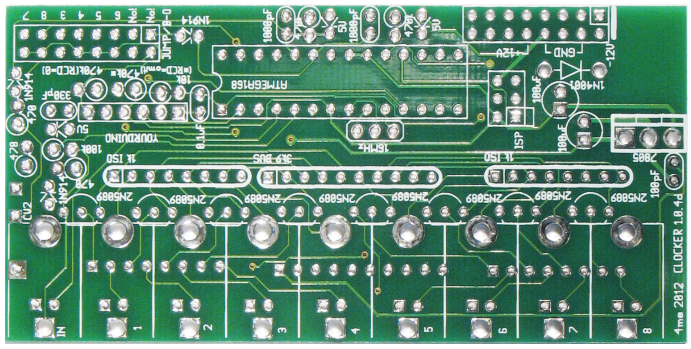
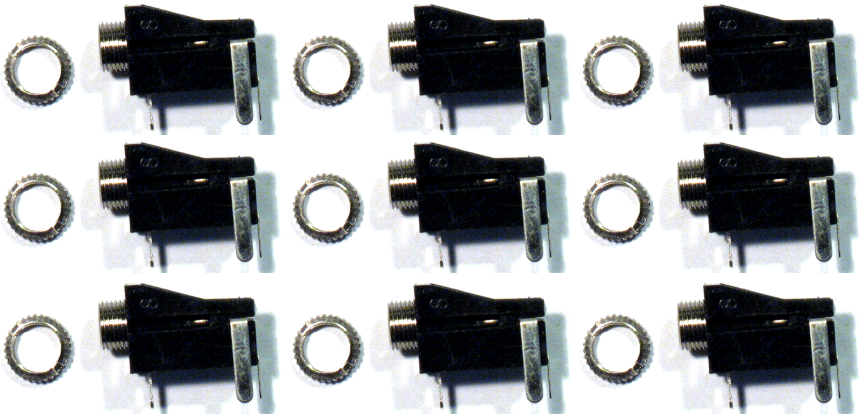
16-pin ribbon cable (8")



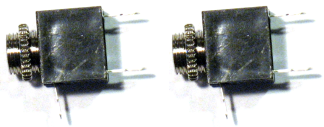
PCB v1.0.4

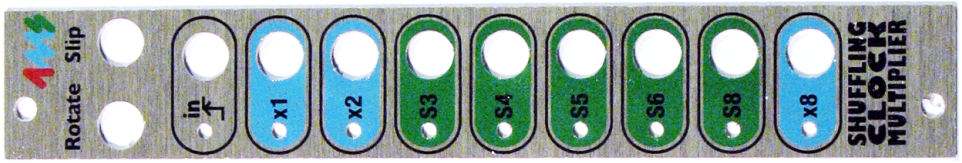
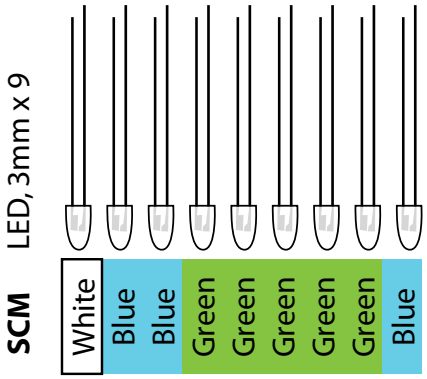
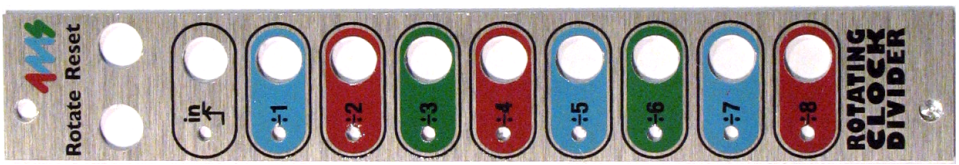
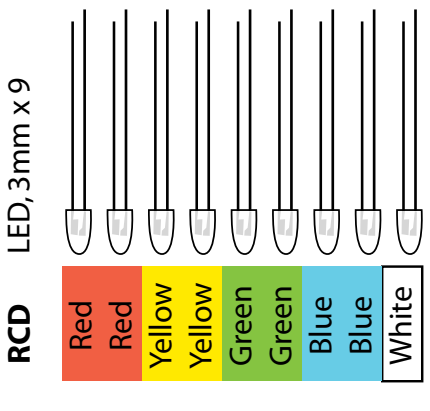


1/8" Jacks, large x 9



1/8" Jacks, small x 2



M3 Screws x 2

2012-02-14