# Dmani Drive 

as designed by John Hollis


| $\mathrm{R} 1=10 \mathrm{M}$ | $\mathrm{C} 1=0.01 \mathrm{uF}(10 \mathrm{nF})$ |
| :--- | :--- |
| $\mathrm{R} 2=10 \mathrm{M}$ | $\mathrm{C} 2=0.001 \mathrm{uF}(1 \mathrm{nF})$ |
| $\mathrm{R} 3=330 \mathrm{~K}$ | $\mathrm{C} 3=0.001 \mathrm{uF}(1 \mathrm{nF})$ |
| $\mathrm{R} 4=100 \mathrm{~K}$ | $\mathrm{C} 4=0.001 \mathrm{uF}(1 \mathrm{nF})$ |
| $\mathrm{R} 5=1 \mathrm{M}$ | $\mathrm{C} 5=0.01 \mathrm{uF}(10 \mathrm{nF})$ |
| $\mathrm{R} 6=220 \mathrm{~K}$ | $\mathrm{C} 6=47 \mathrm{pF}$ |
| $\mathrm{R} 7=220 \mathrm{~K}$ | $\mathrm{C} 7=10 \mathrm{uF}$ |
| $\mathrm{R} 8=100 \mathrm{~K}$ | $\mathrm{C} 8=1 \mathrm{uF}$ |
| $\mathrm{R} 9=100 \mathrm{~K}$ | $\mathrm{C} 9=0.047 \mathrm{uF}(47 \mathrm{nF})$ |
| $\mathrm{R} 10=10 \mathrm{~K}$ | $\mathrm{C} 10=0.1 \mathrm{uF}(100 \mathrm{nF})$ |
| $\mathrm{R} 11=10 \mathrm{~K}$ | $\mathrm{C} 11=1 \mathrm{uF}$ |
| $\mathrm{R} 12=10 \mathrm{~K}$ | $\mathrm{C} 12=10 \mathrm{uF}$ |
| $\mathrm{R} 13=10 \mathrm{~K}$ | $\mathrm{C} 13=10 \mathrm{uF}$ |
| $\mathrm{R} 14=10 \mathrm{~K}$ | $\mathrm{C} 14=10 \mathrm{uF}$ |
| $\mathrm{R} 15=100 \mathrm{~K}$ | $\mathrm{U} 1, \mathrm{U} 2=\mathrm{TL} 072$ |
| $\mathrm{R} 16=1 \mathrm{~K}$ | $\mathrm{D} 1,2,3,4=1 \mathrm{~N} 914$ |
| $\mathrm{R} 17=1 \mathrm{~K}$ | $\mathrm{GAIN}=470 \mathrm{~K}$ pot |
| $\mathrm{R} 18=3.9 \mathrm{~K}(3 \mathrm{~K} 9)$ | TONE $=10 \mathrm{~K}$ Lin pot |
| $\mathrm{R} 19=10 \mathrm{~K}$ | $\mathrm{BLEND}=47 \mathrm{~K}$ Log pot |
| $\mathrm{R} 20=1 \mathrm{~K}$ | $\mathrm{VOLUME}=100 \mathrm{~K}$ Log |
| $\mathrm{R} 21=10 \mathrm{~K}$ |  |
| $\mathrm{R} 22=10 \mathrm{~K}$ |  |

$R 1=10 \mathrm{M}$
R3 $=330 \mathrm{~K}$
$R 4=100 \mathrm{~K}$
$R 5=1 M$
$R 6=220 K$
R8 100K
$R 9=100 \mathrm{~K}$
$R 10=10 K$
R11 = 10 K
R13 $=10 \mathrm{~K}$
$R 14=10 K$
R15 $=100 \mathrm{~K}$
R16 $=1 \mathrm{~K}$
R18 $=3.9 \mathrm{~K}(3 \mathrm{~K} 9)$
$R 19=10 K$
$\mathrm{R} 21=10 \mathrm{~K}$
$R 22=10 K$

## Miscellaneous:

SPDT switches for BOOST, FILTER, OCTAVE, MODE, SCOOP.
Use DPDT stomp switches if you want to add LED indicators for the various modes, tying an LED and 4.7K (4K7) resistor from +9 V to ground through the extra switch section when the switch is in the indicator position. Bicolor LEDs work for adding two-position switches for BOOST and MODE.

DPDT stomp switch for bypass. Use Millenium Bypass for LED indicator and true bypass with only a DPDT.

You'll also need: Box (Hammond 1590BB works), battery clip, knobs for the pots, stereo $1 / 4$ " input jack, mono $1 / 4$ " output jack, hookup wire, and so on - the standard "wrapper" that goes on every effect.
*Layout updated 10/21/01; missing trace connecting R2 pad to ground.

## Dmini Drive <br> CPCIB Lanyont anmal IVirinas



Board is sized to fit inside a Hammond 1590BB, but with five toggle switches and four controls, it's going to be a very tight fit. I recommend the Hammond 1590DD, which has a much larger face, suitable for more controls.


