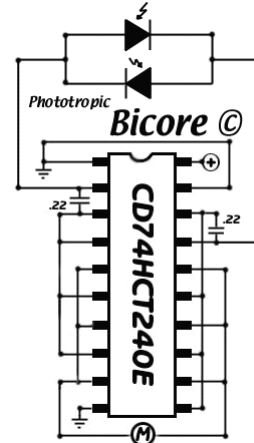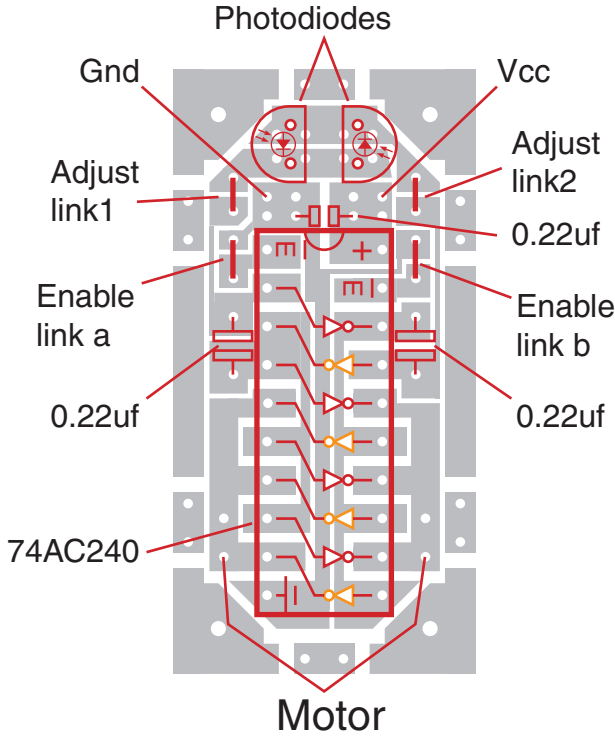# The Board Room
BEAMod - Modular building blocks for BEAM robotics
© Bill Bigge 2001

Phototropic Bicore v1.0
Ideal for light tracking heads, The two adjust links can be used with a variable resistor to tune out any variance in tolerance of the other components - if you find it just goes round and round instead of tracking the light then put a 10k pot across one of the links and adjust it until the head tracks properly, you can then replace it with the appropriate value resistor.

Photodiodes

Gnd

Vcc

Adjust link1

Adjust link2

0.22uf

Enable link a

Enable link b

0.22uf

0.22uf

74AC240

Motor

Phototropic

Bicore ©

CD74HCT240E

.22

.22

Schematic courtesy BEAM-Online