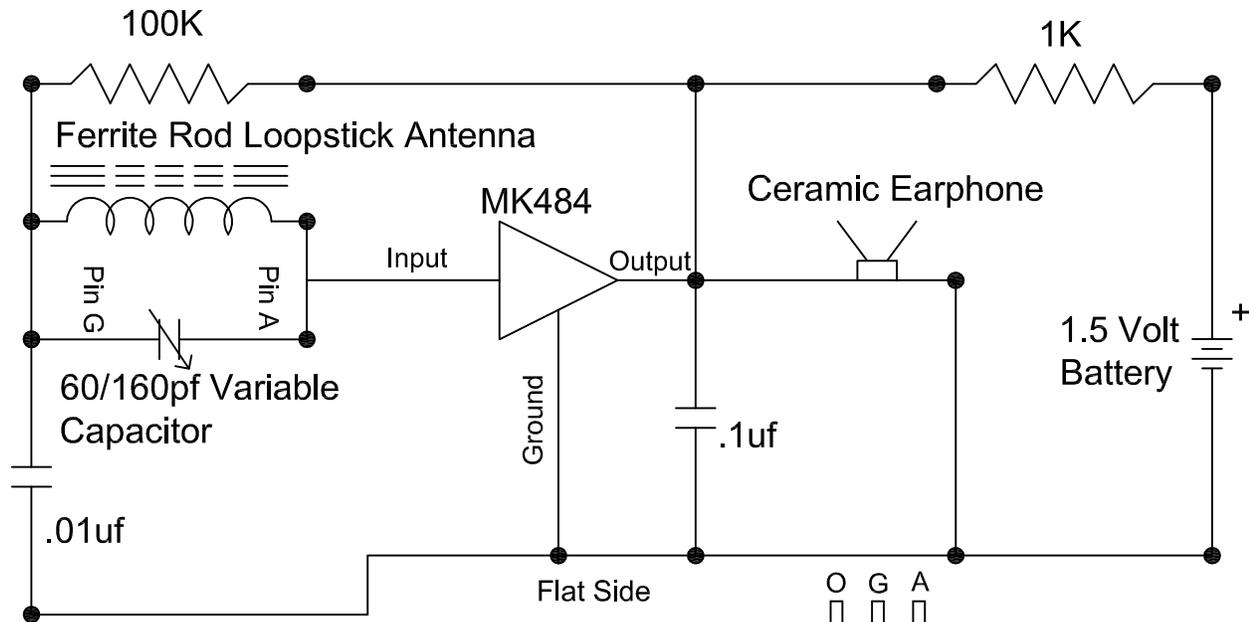


Computer Controlled Automation Inc.

1818 Sheffield Street
Middletown, OH 45044
Phone 513-217-5471

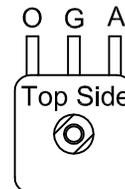
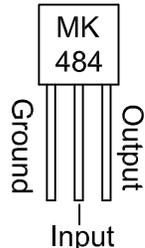
Website: <http://www.comtrolauto.com>

MK484 Using Ceramic Earphone



Parts included in this Kit

- 1- MK484 AM Radio IC.
- 1- .01uf Capacitor marked 103
- 1- .1uf Capacitor marked 104
- 1- 100K Resistor Marked Brown Black Yellow Gold
- 1- 1K Resistor marked Brown Black Red Gold
- 1- 1.5 Volt AA Battery Holder
- 1- Ceramic Earphone
- 1- 60/160pf Variable Capacitor
- 1- Ferrite Loopstick Antenna Coil



G & A = 160pf
G & O = 60pf
G & (A & O) = 220pf

Both center pins
are connected to
ground.

This is a simple basic AM radio made from the MK484 IC. The MK484 looks like a transistor with only three pins and packaged in a TO-92 case. The MK484 contains 10 transistors and has a gain of 72db. It also has automatic Gain control provided by the 100K resistor. The MK484 is made to operate on 1.1 to 1.8 volts. More than 1.8 volts will destroy the MK484. If you have problems with oscillation the 1K resistor can be increased up to 4.7K.

Drawn by Zachary Lowe.