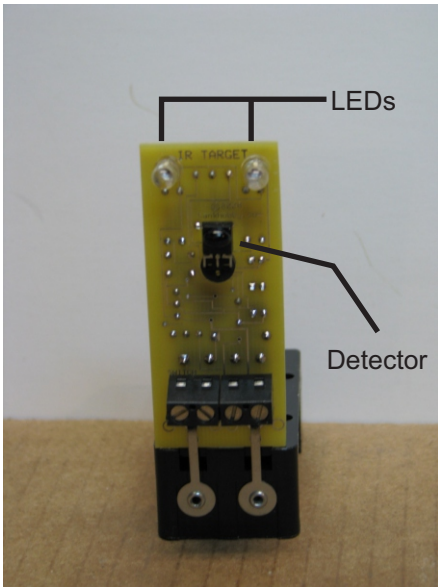


This is intended as a practice target for interaction with the Tamiya infrared battle system. When a "Battle System" tank fires on the detector side of the board the LEDs will flash for a couple of seconds. Relay and terminal block included to connect sound module for sound or other devices.



Snap board onto a 9 VDC battery. When first connected the LEDs may illuminate then shut off after a few seconds.

Aim the infrared source at the detector located on the LED side of the board. Remove the board from the battery when not in use.

Current draw while idle is about 7mA. When the LEDs are illuminated it is about 20mA. Your battery life will depend upon the battery and how often the LEDs are illuminated.

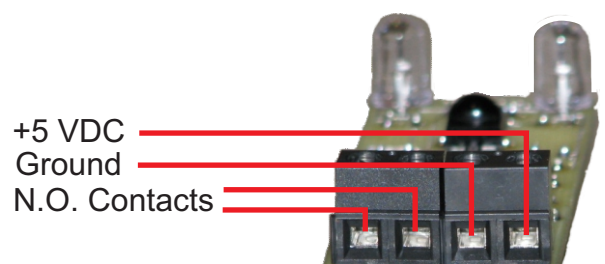
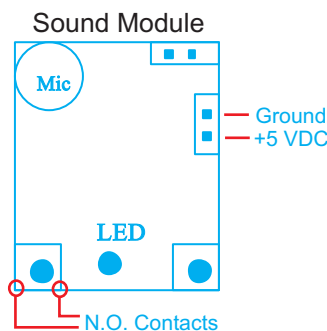
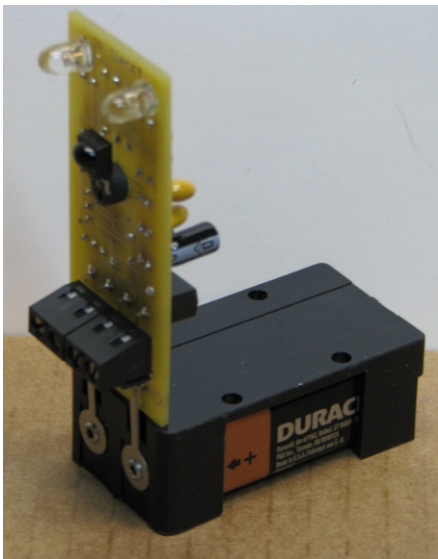
The board will respond to any 36-40kHz infrared signal (camera auto focus, remote controls etc).

In order for the detector to receive the signal the firing tank must fire straight on at the detector, firing from an angle, vertical or horizontal, may not be detected. Mirrors (possibly a white surface) can be used to reflect the signal onto the detector.

The terminal blocks allow connection of another device. The +5 volt, ground and two connections that are normally open are available (switch). The sound module shown is the primary intent for this connection. Connect the +5 volt and ground, then connect the "play" pushbutton as shown. When the target board flashes the relay will close the normally open connections triggering the sound module to play.

The N.O. contacts (switch) has approximately a 0.5 amp limit at low DC voltage.

The +5 volt supply has limited current capabilities, less than 100mA. Please keep this in mind when connecting any device to the terminal blocks.



In order to use the sound module you will need to connect 4 wires between the sound module and the target board. A speaker will also be needed, connect this directly to the sound module. Refer to the sound module specifications for more information.

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Sound module information:

The following has been taken from the "Electronics 123" website. This part is available from them, please use the link below to view the product specifications and ordering information.

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**A96010**

<http://www.electronics123.com/>

