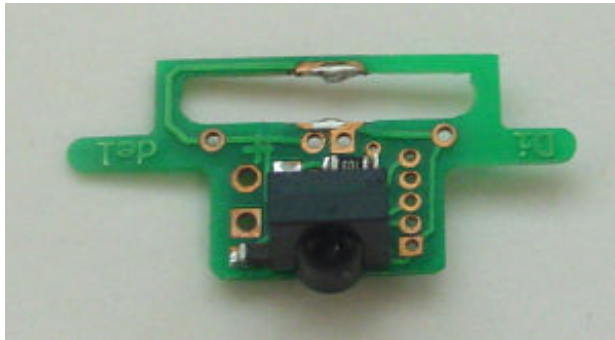
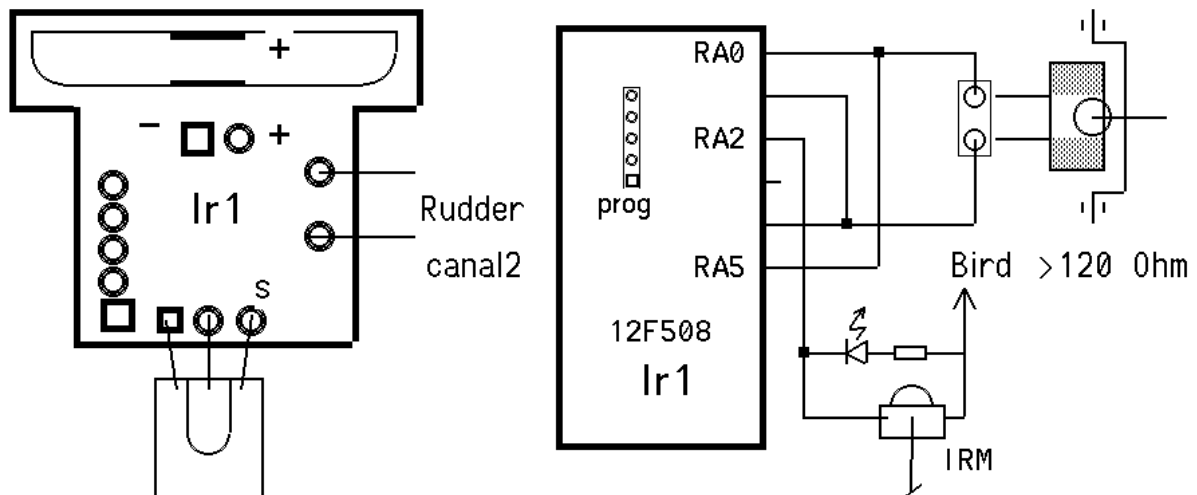
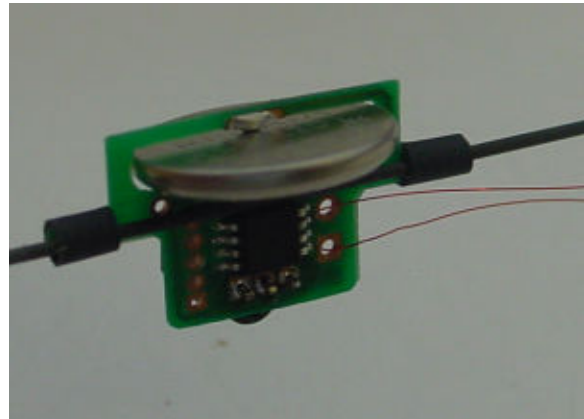


Ir1 one-channel IR receiver

The Ir1 receiver is a test to see if it could be of any interest. It has one bidirectional output, max 20 ma, compatible with a magnetic actuator (BIRD) having a coil of 120 Ohm and more. A Cr1220 battery is used. Low cost, high capacity (35 mAh) but very high internal resistance. No hope to drive a motor. But the IR1 can fly for 2 hours on the same battery. The original concept is to insert the battery in a slot of the PCB. No switch, no connector!



Weight 0.29g, 1.06 with battery



IR1 has been designed to add the direction to a rubber model. The Polybird 125 Ohm is quite suitable, and add a weight of 0.30 g.

First customers will get the IR1 with two CR1220 for the cost of 12 CHF only, at the condition they give some feedback on their success flying or doing any application. The microcontroller is a Pic 12F508 that can be reprogrammed easily with a Pickit 2 and Didel adapter. Hence the circuit can be used with a BIRD to vibrate a flag on a model train or to blink two LEDs. Voltage is 2.5 to 6V.