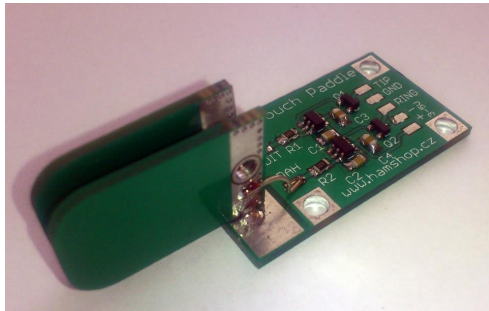
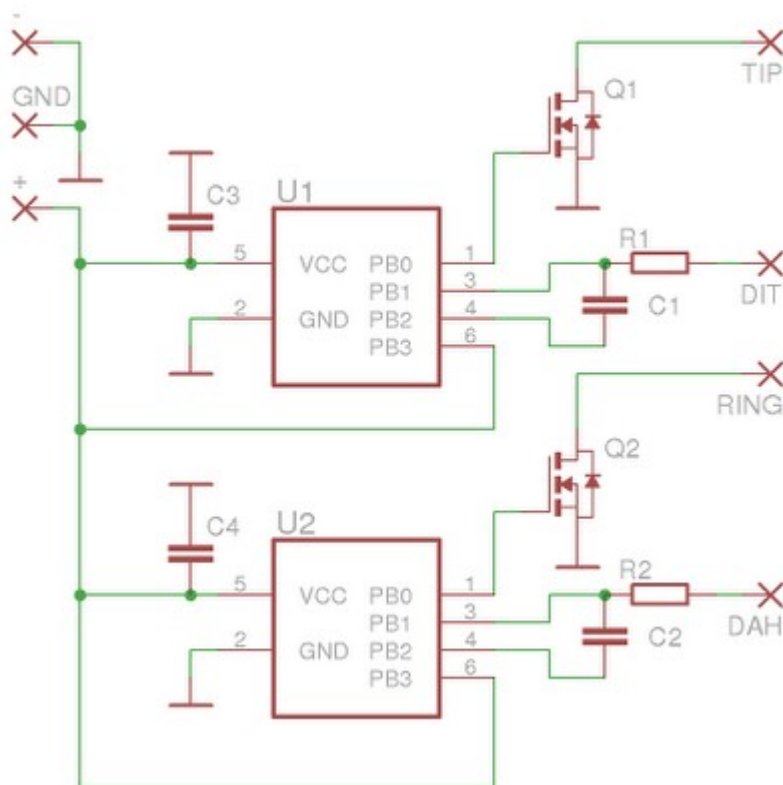


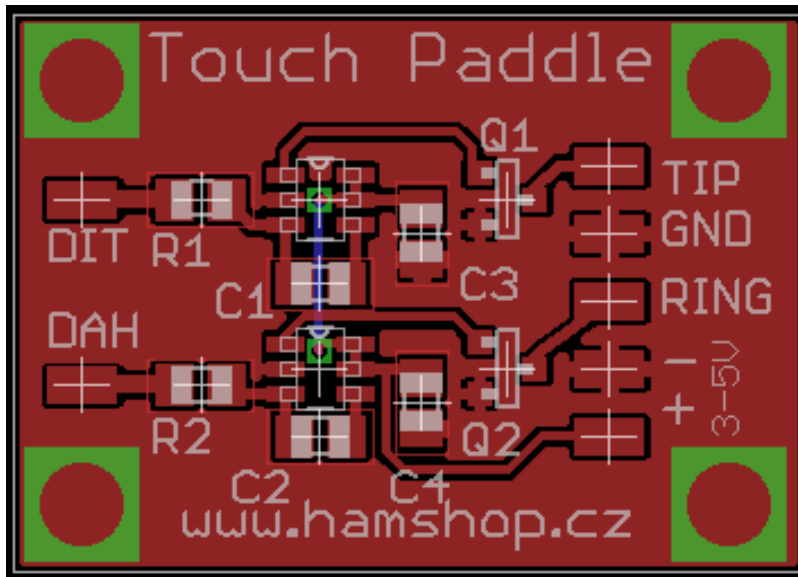
Touch paddle -Hamshop.cz



Longer time I have experimented with different touch paddles. Whether a transistor or a CMOS IC. It always had some bugs or limitations. Today we are an affordable touch-capacitive sensors eg from ATMEL. I tried to build these sensors, trap and it works surprisingly well. The result is small module with dimensions 30x22 mm, which can easily a built directly into the device. Touch pad can have any shape. I tried to paddle from cuprextite or Cu foil glued on a plastic plate. In the photo you can see a closed stainless M6 nuts as paddles. In the production of paddles you can use your imagination and try out what suits you best. Lead length should not exceed 10 cm. Consumption at keying is 1 mA at 3V power supply. Power consumption in standby mode is very small.



Scheme of circuit



PCB

Partlist:

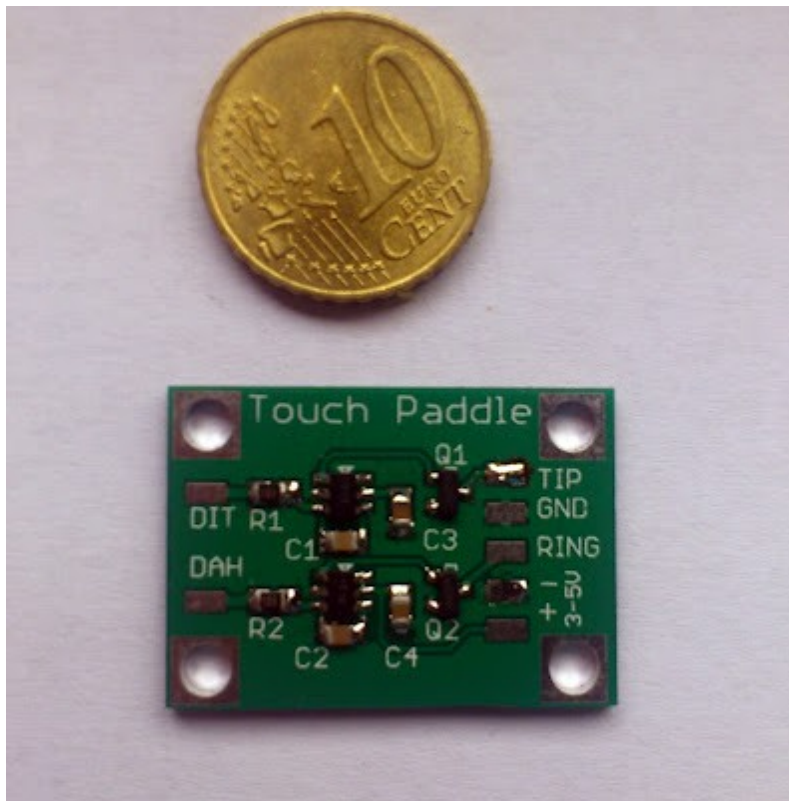
R1, R2 - 10k

C1,C2 - 2n2

C3,C4 - 100nF

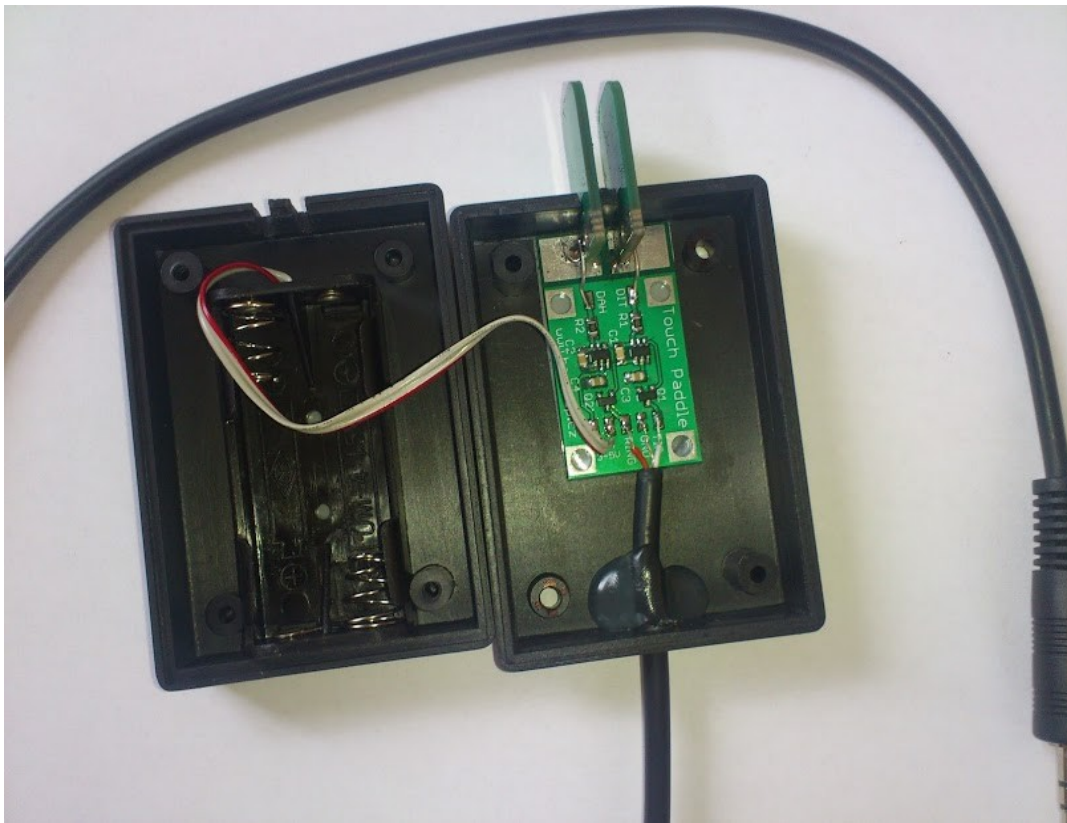
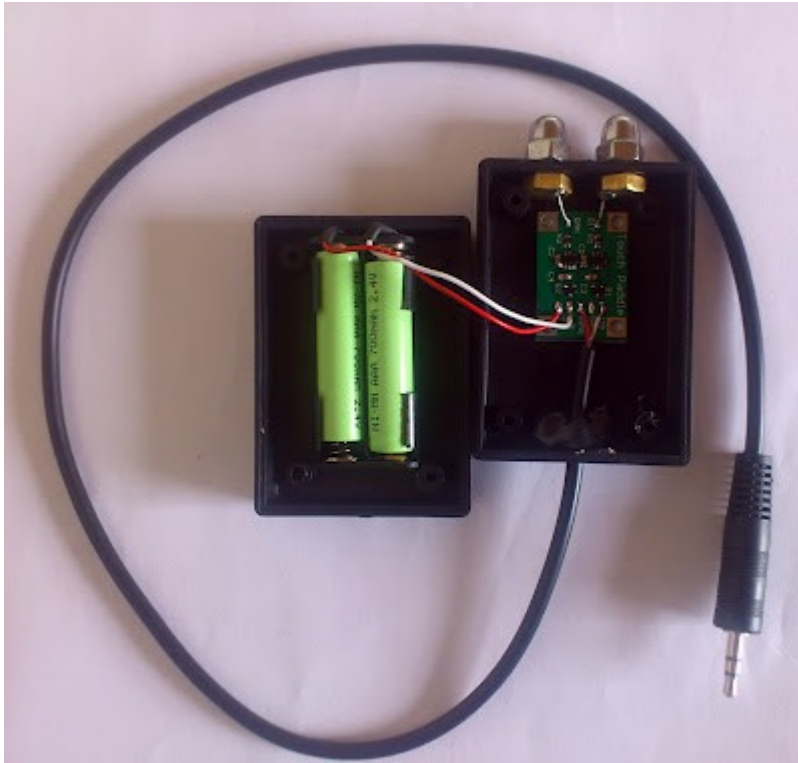
U1,U2 - AT42QT1011

Q1,Q2 - IRFML8244TRPbF



The whole module,

One of the first prototypes I built into a plastic box with dimensions 45x65x25m. There are two AA size batteries AAA inside the box . There are used stainless closed nuts M6 and M6 brass screws as a paddles.



More info: <<http://blog.ok1cdj.com/2012/07/dotykova-pasticka.html>>