

## Electronic Circuits Engineering

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PRAF Microcomputer Technologies Ltd. is a company specialized on development, manufacturing and marketing of electronic systems in the fields of telephony, security, automation and control.

R&D department of PRAFTEC consists of a small but well educated and qualified group of professionals those have deep fundamental and practical knowledge, strong experience both in software and hardware development and engineering.

With this paper, we would like to concentrate your attention on the electronic circuits engineering we provide for electronic circuits developers and manufacturers.

## Electronic Circuit Prototyping

It is well known how it is important to build a circuit prototype and to test it before PCB design and its mass production. The excellent circuit prototyping by PRAFTEC will let your projects to travel to the future. Wire-up, manually wire- and PCB-soldered prototype circuits, diagnostic firmware modules and PC based test utilities – are the details of our time-machine, and our experience is the fuel for that machine.



## SMT Components Manual Soldering

Commonly, a pilot version of any electronic circuit is manufactured in small quantity. And automatic assembly of such circuits consisting of SMT components becomes very expensive, so that manual SMT components soldering is required to decrease cost of the pilot circuits. We do this job better and cheaper than any machine may do it for small quantities of circuits.



## Electronic Circuits Debugging

PRAFTEC has a significant experience in solving complex problems in analogue and digital electronic circuits. We can discover the routes of the small bugs boring the users of your product and you, and block them forever. Our specialists do not practice sorcery on electronic circuits, but they do deep analyses of logic and physic processes in them.



## Electronic Circuits Repairing

Sometimes after assembly of big volume of electronic circuits, a part of them do not work properly, each circuit has a unique fault due unexpected reasons. We can repair those circuits and supply you with faults report in order to avoid them on manufacture phases in the future.



**Free your circuits of the small & boring bugs!**  
**First get proto instead of mass faults lotto!**  
**Let to your circuits function properly!**  
**Do not wait! Do it easy now!**