

News

SBL Micro V2

Parts

BEC

BEC for 2 Servos

BEC for 4 Servos

BEC testing

The processor

Processor part 1

Processor part 2

Testing the processor

The output stage

Output stage control

Testing output stage control

MOSFET's

Testing the MOSFET's

Filter capacitors

Soldering the filter capacitors

Testing filter capacitors

EMF Evaluation

Soldering EMF parts

Testing EMF

Remaining parts

Completion

News

03.Marchr 2004

With doubled FETs (IRF7455 and SI4425DY) continous current of 16A is possible. Cooling with aluminium plates is necessary

03.Oktober 2003

On the MOSFET's page the part list had an error. The wrong FETs were listed.

02.Oktober 2003

Starting end of September 2003 the board layout is modified. Especially the area of the overcurrent protection (which did not work very well in the previous version) has been modified. For the new boards you need processors programmed with SW version 1006. This version can also be used on old boards. But never try to use older SW versions on the new board layout. These pages are based on the new schema. If you own the older version of the Micro you can still get information on the pages of [version 1](#).

04.September 2003

The current collective order has finished. If you are interested in building the SBL-Micro, please send me a mail. I'm starting a new collective order. Parts for the Sercon 2 Mini Adapter are available within the next two weeks.

13.August 2003

R29 is now a 10R resistor instead of 100R. This is necessary to use also MOSFETs with low threshold (e.g. SI4436) instead of IRF7416.

27.July 2003

The next generation of the SBL-Micro will have 3 x SI4425DY FETs instead of the 6 IRF7416. A current of 10A with 14A peaks is possible.

27.July 2003

10A with only 3 IRF7416!
A small aluminium plate (15x15x1 mm) with thermal compound on the IRF7146 FETs glued with some CA on the TLC3704ID gives you 10A current with only 3 IRF7416..

03.July 2003

With the SBL Micro collective order also the parts for the Sercon 2 Mini Adapter (for PC Setup) are available.

27.June 2003

New collective order for the SBL-Micro controller kit.