

FTKL – Tagung 2002 Graz

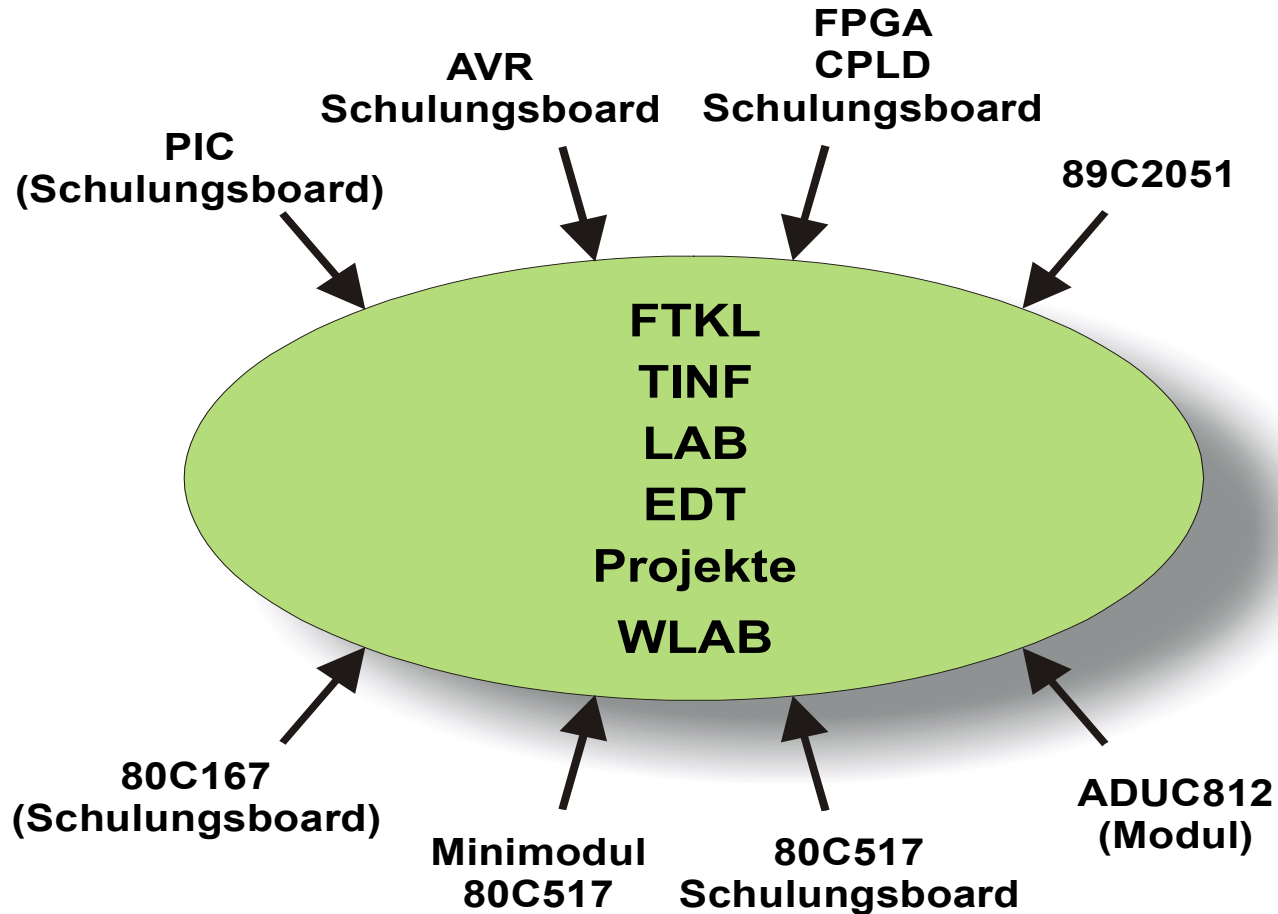
■ HERZLICH WILLKOMMEN



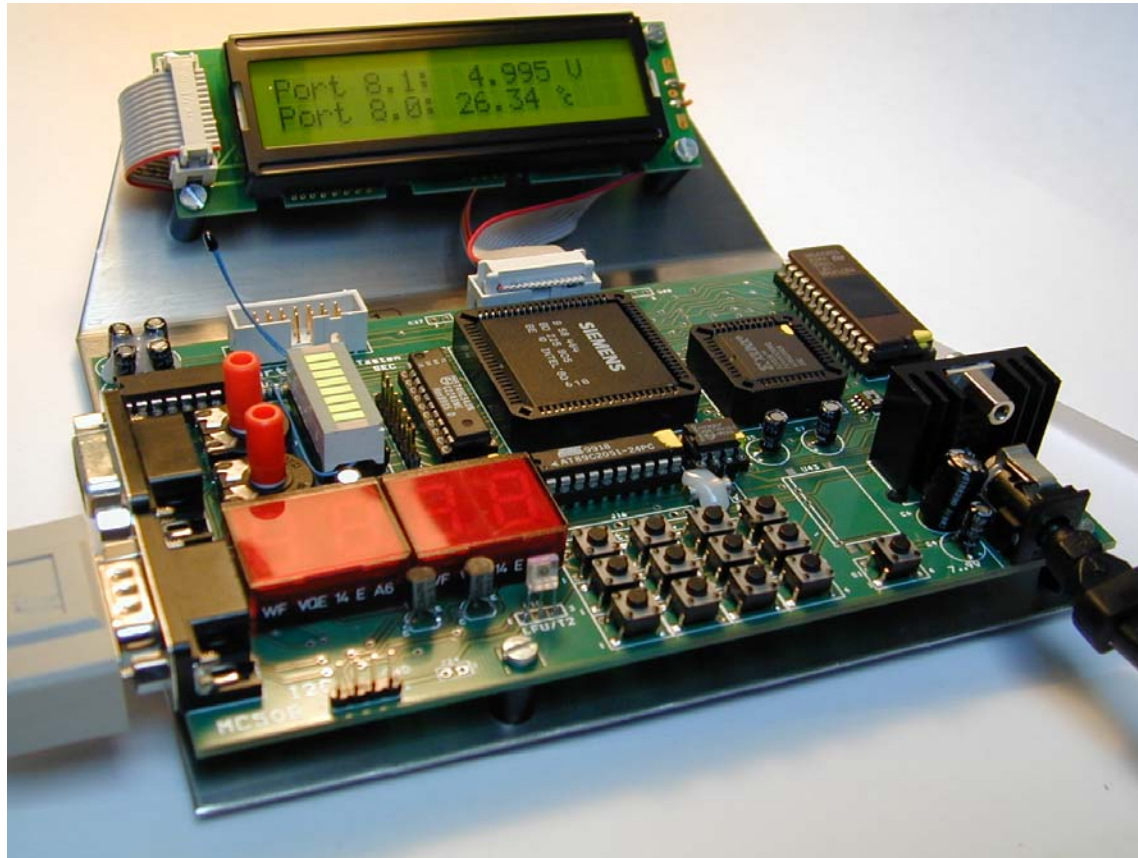
■ BULME GRAZ

FTKL-TAGUNG 2002 GRAZ

Microcontrollertechnik – BULME Graz

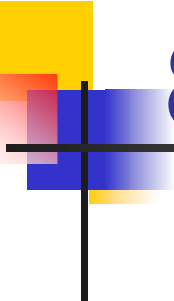


80C517A - Schulungsboard



Bulme Graz
FH-AT Graz

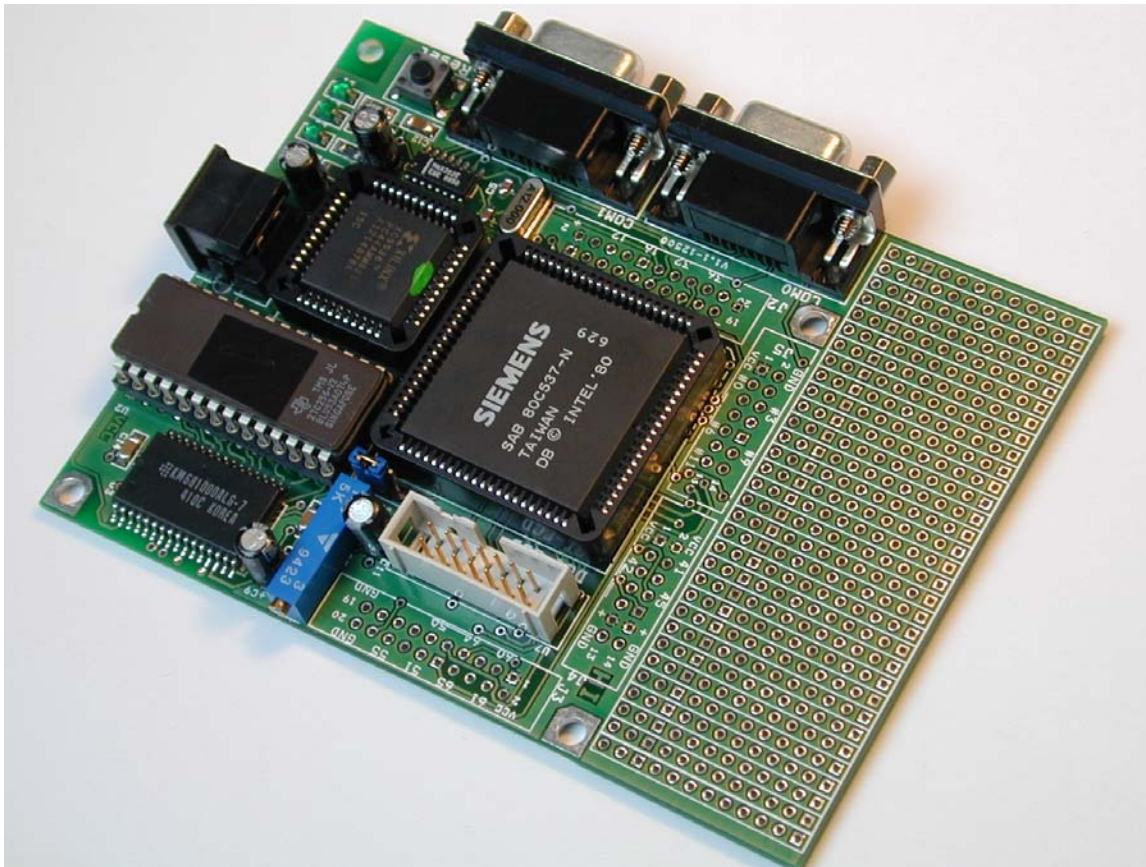
Euro 249,--



80C517A Schulungsboard

- LED Balkenanz. (P4)
- Tastatur
- 20x2 LCD
- 2 Potentiometer
- NTC (Temp.)
- 4x7Seg. (I2C)
- I2C Temp. Sens.
- 2x RS232
- 1-wire (DS1822)
- SHT11 Sensor (Opt.)
- I2C – RTC
- LFU
- Mbar (Optional)
- Keil Monitor
E000..FFFF
- Schulungsunterlagen

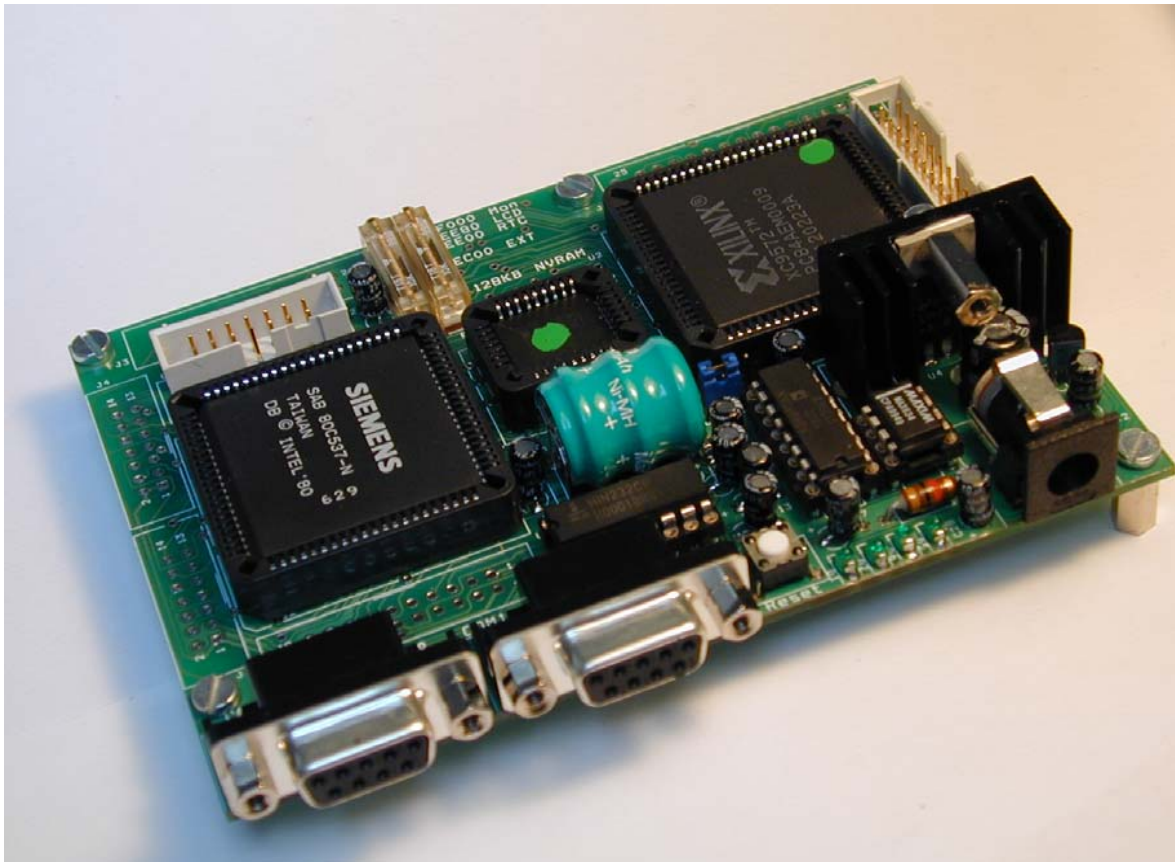
UC- für Diplomarbeiten



BULME GRAZ
FH-AT Graz

Euro 99,--

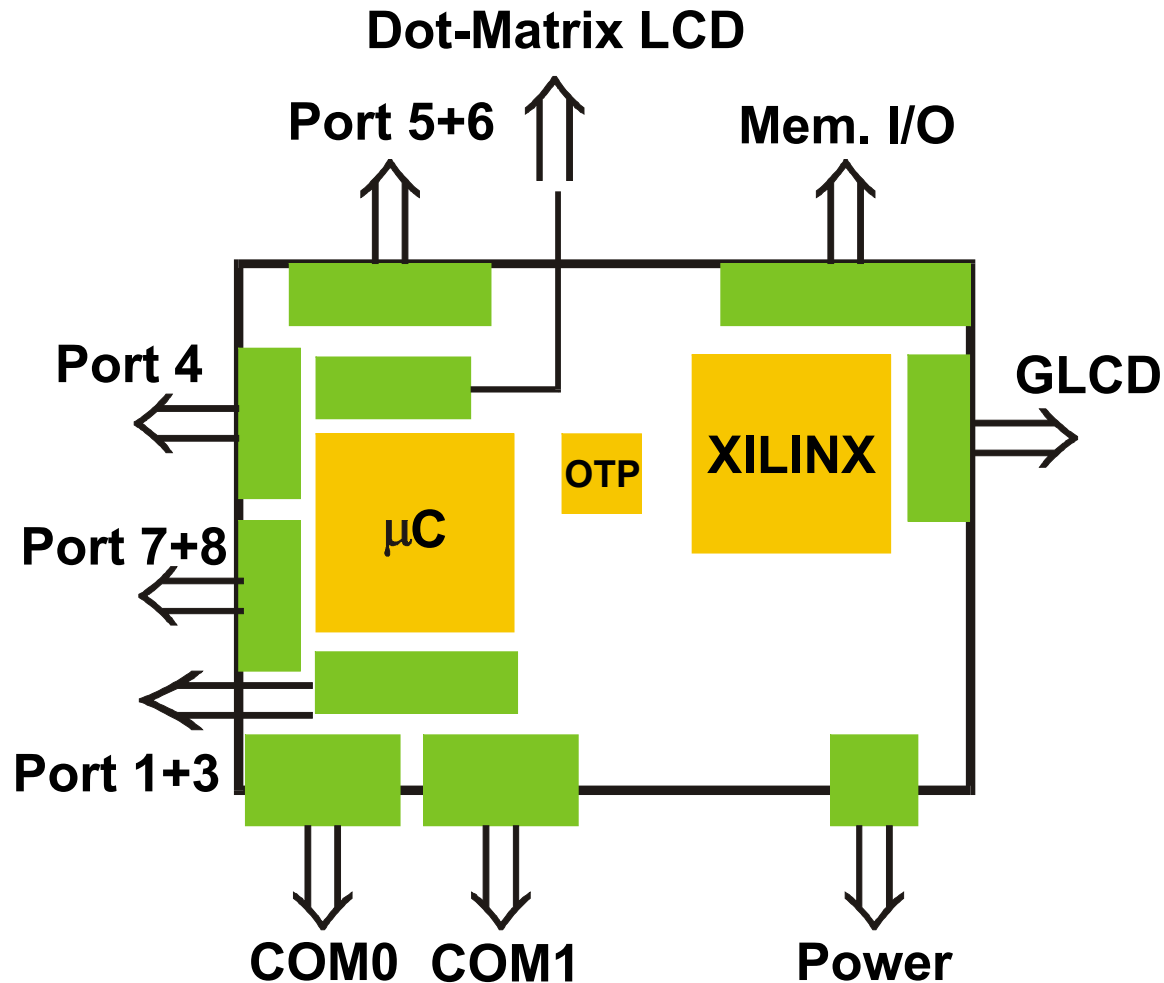
UC für Diplomarbeiten



BULME GRAZ
FH-AT Graz

Euro 149,--

Blockschaltbild MCMINI



Memorymodell

4 kByte

MON-ROM

FFFF

128 Byte

GLCD

F000

128 Byte

RTC

EE80

EE00

512 Byte

Mem. I/O

EC00

256 Byte

MON-RAM

EB00

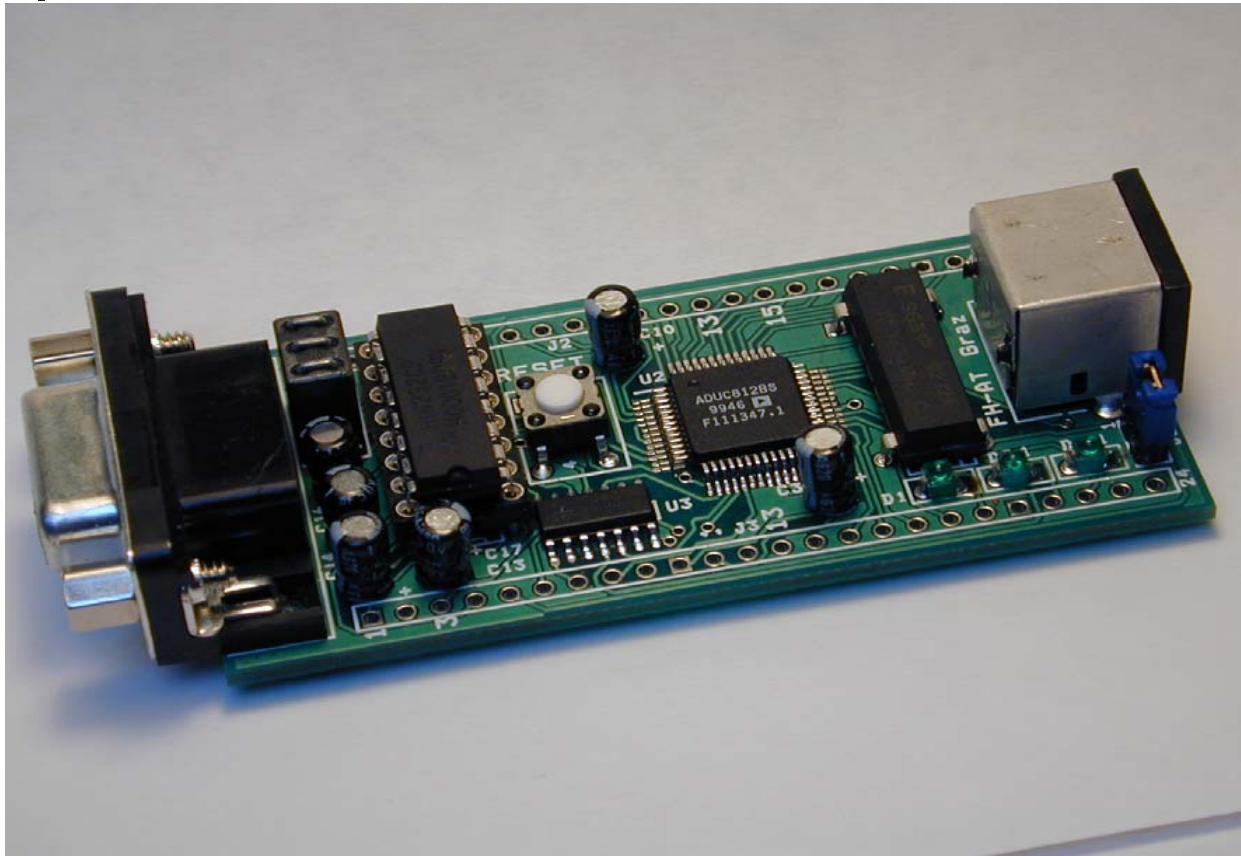
NV-RAM

59 kByte

0000

Memory - Minimodul 517

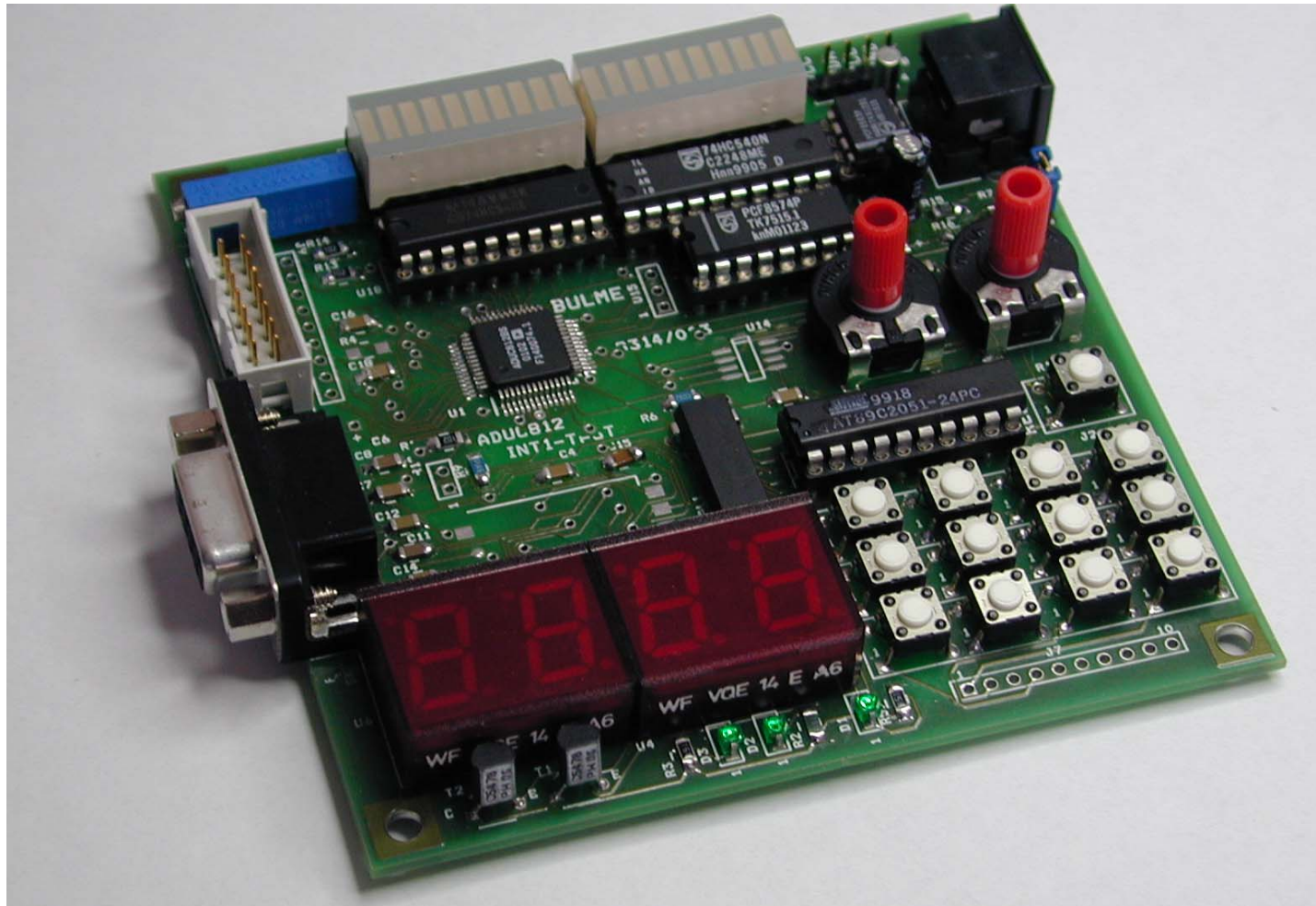
UC für Diplomarbeiten



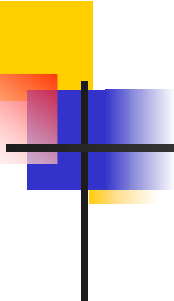
BULME GRAZ
FH-AT Graz

Euro 89,--

Low cost - 812 Schulungsboard

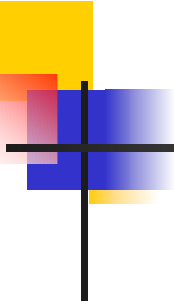


FTKL-Tagung 2002, BULME Graz,
AV Dr. Josef Humer



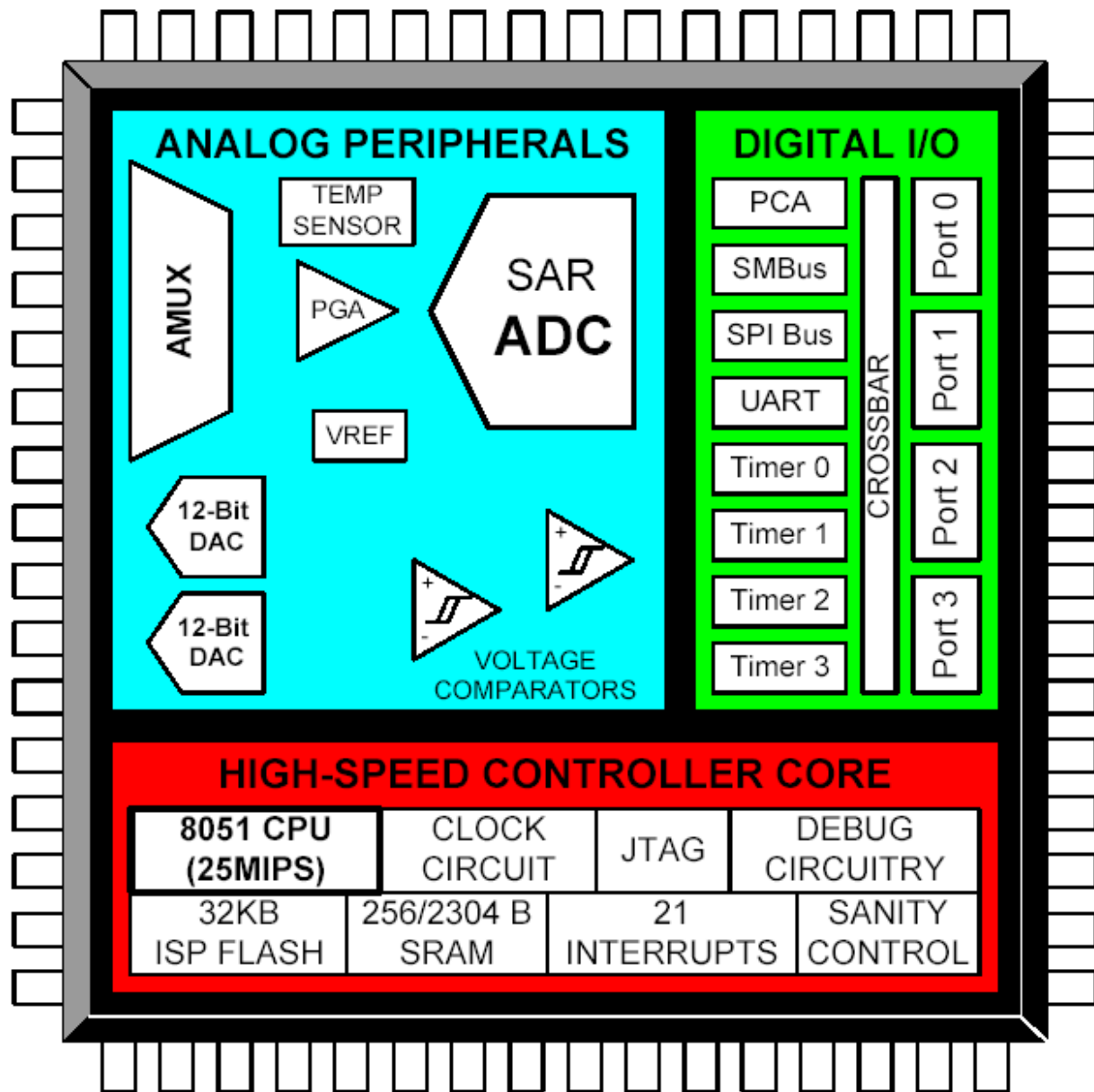
8051 Neuentwicklungen

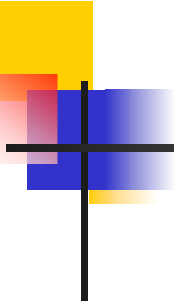
- Cygnal Microcontroller
 - www.cygnal.com
- TI Microcontroller (BB)
 - www.ti.com
- Analog Device
 - www.analog.com
- Leiterplattenherstellung
 - www.pcb-pool.com



8051 CYGNAL

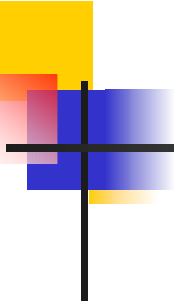
- 25 bis 100 MIPS – 3.3V
- 2kB bis 128kB Flash
- 11 PIN bis 100 PIN MCU
- SPI, I2C, CAN
- 256 Byte bis 8 KB RAM
- ADU 8bit bis 12bit
- ISP - JTAG programmierbar
- Direktlieferung USA





Texas Instruments (BB)

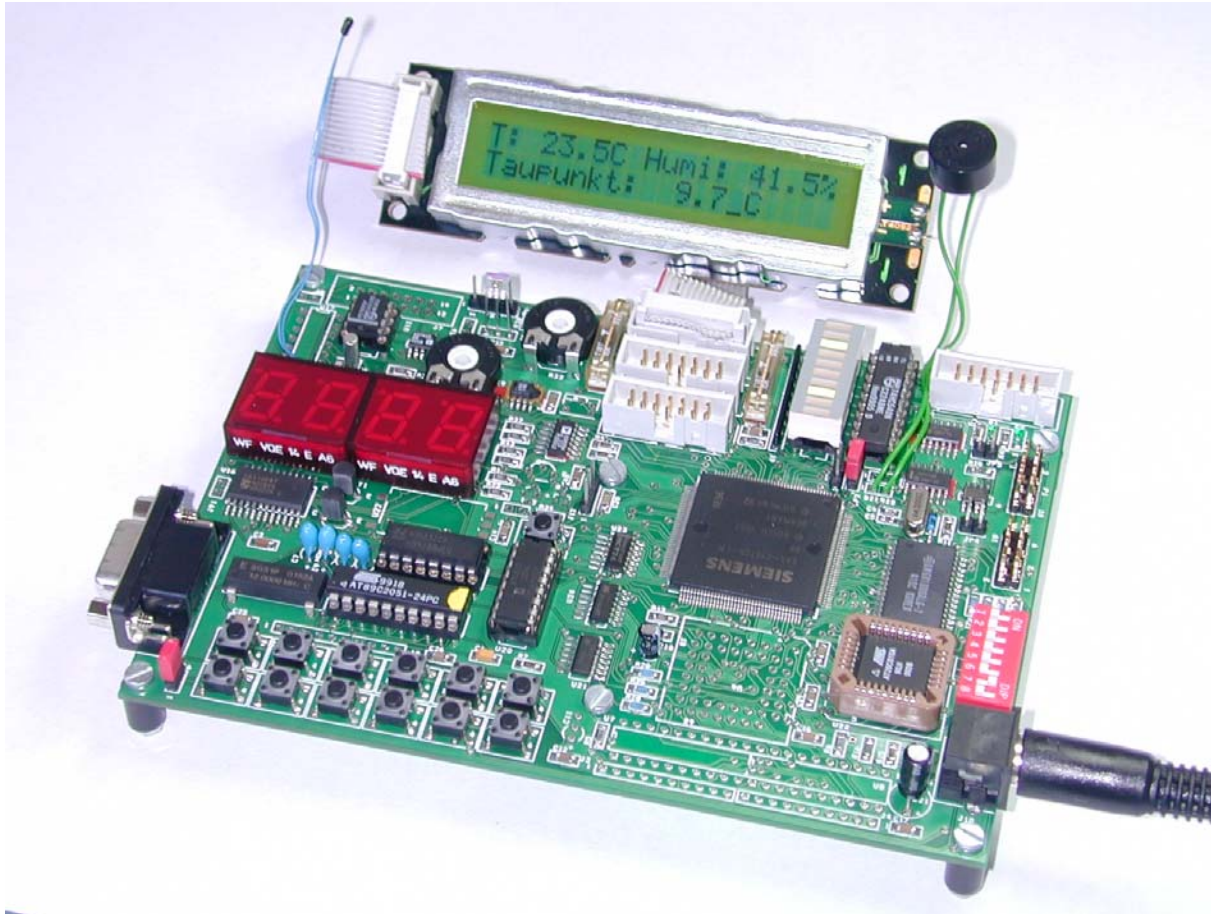
- MSC 1210 – TQFP 64 –3.3V
- 24 bit ADU
- DC to 33 MHz
- 4kB bis 32kB Flash
- 1280 Byte SRAM
- Bootstraploader RS232
- SPI



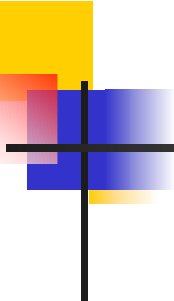
ANALOG DEVICE

- ADUC 812 ADUC 842, 3/5 V
- 8kB bis 64kB Flash
- 12bit bis 24bit ADU
- 640Byte bis 2kB RAM
- Bootstraploader (RS232)
- I2C, SPI

C167 Schulungsboard



FTKL-Tagung 2002, BULME Graz,
AV Dr. Josef Humer



C167 Schulungsboard

- I2C, SPI, 1-wire
- CAN Bus
- Ethernet (optional)
- 20x2 Dot M. LCD
- Graphik-Display
- 4x7Seg. Anzeige
- Tastatur
- 128kB Flash
- 128kB SRAM
- SHT11 Sensor
- MPX4100 Sensor
- NTC, 2 Potis
- RS232 und RTC
- Schrittmotorschn.
- LED Balken
- Mem. I/O Erweiterg.