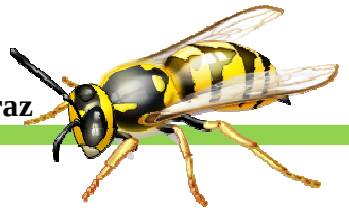
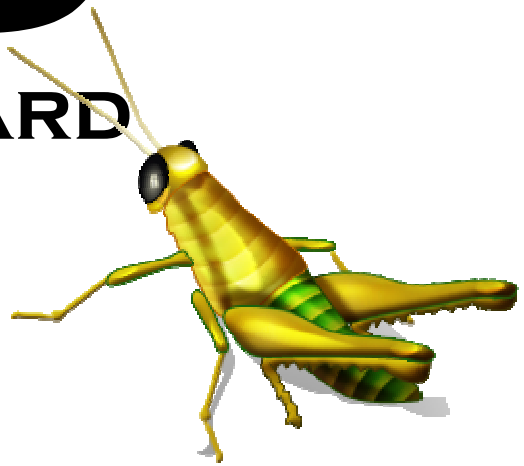


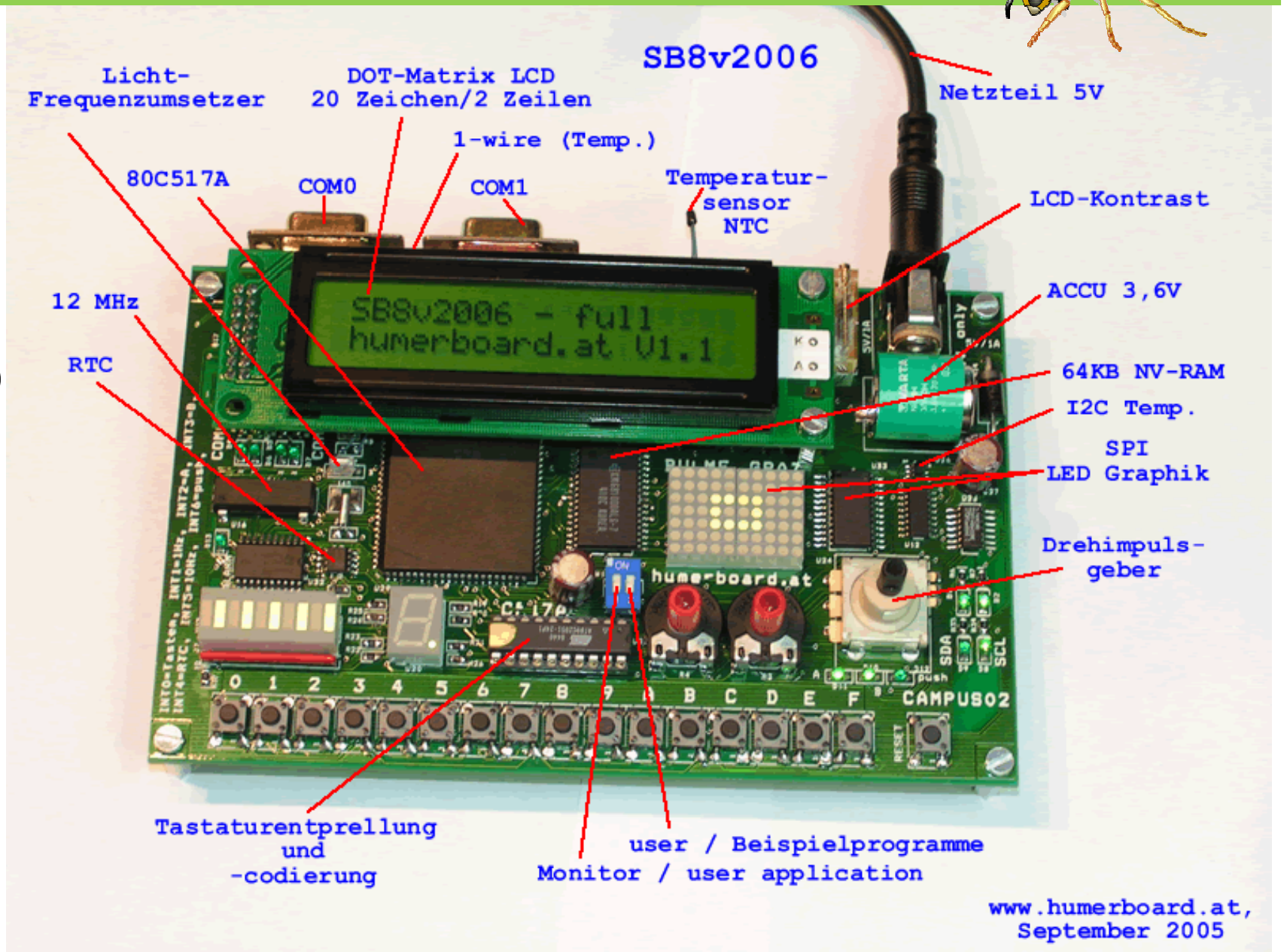
# NLB

## Next Level Board



**DI. Dr. Josef Humer, BULME Graz – www.bulme.at, www.humerboard.at , office@humerboard.at**

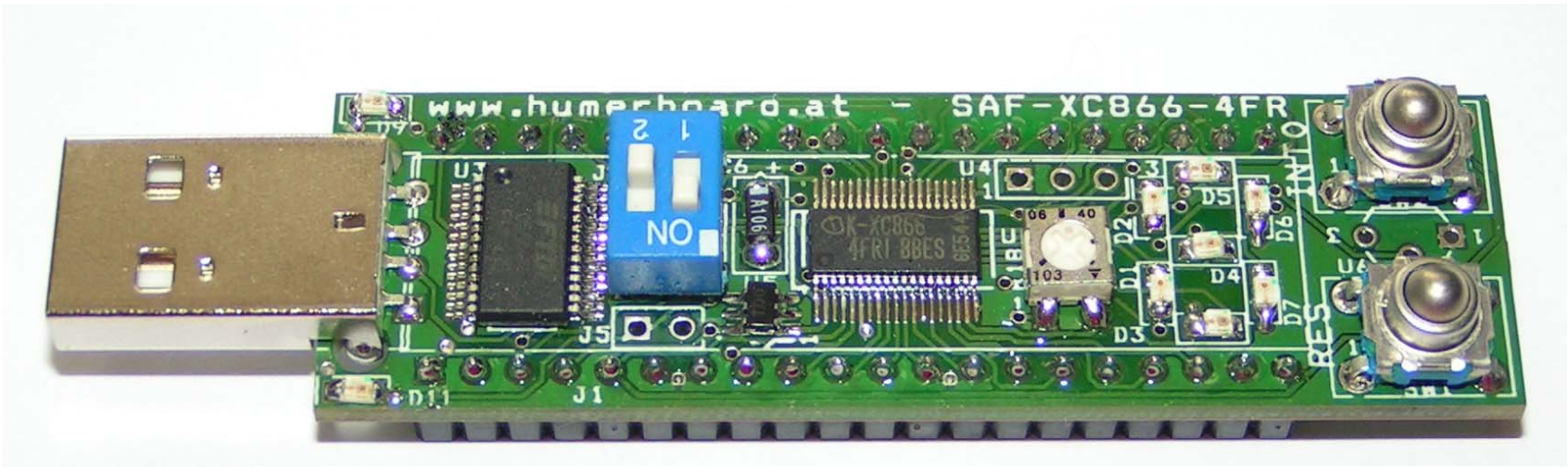
# MC517A Schulungsboard

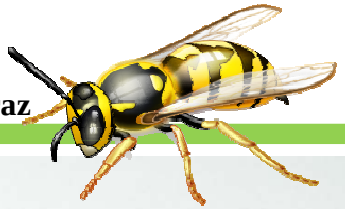



# LPC 935/936 Entwicklungsboard

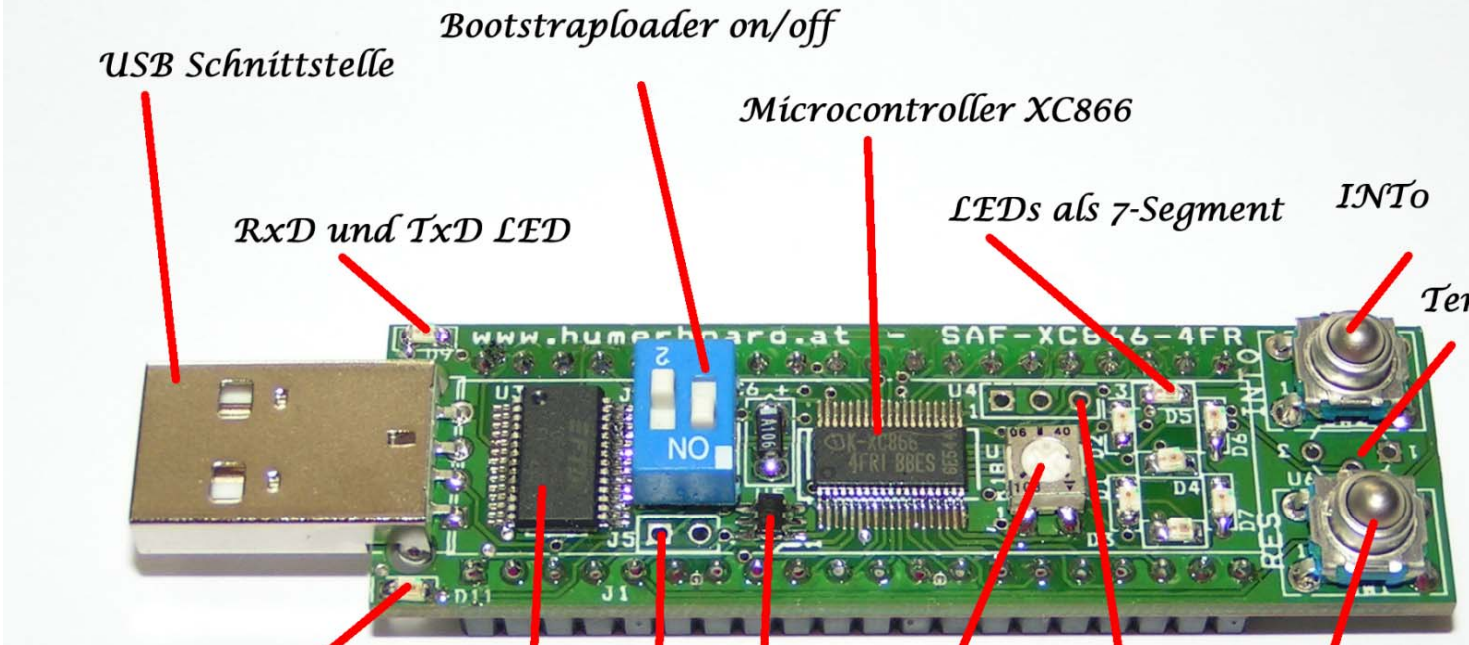


**ISP-Type, 8051 kompatibel, ISD-Monitor lieferbar, 8/16kB Flash, ADU, DAU, passend DIL28, vergleichbar mit ATMEGA16**

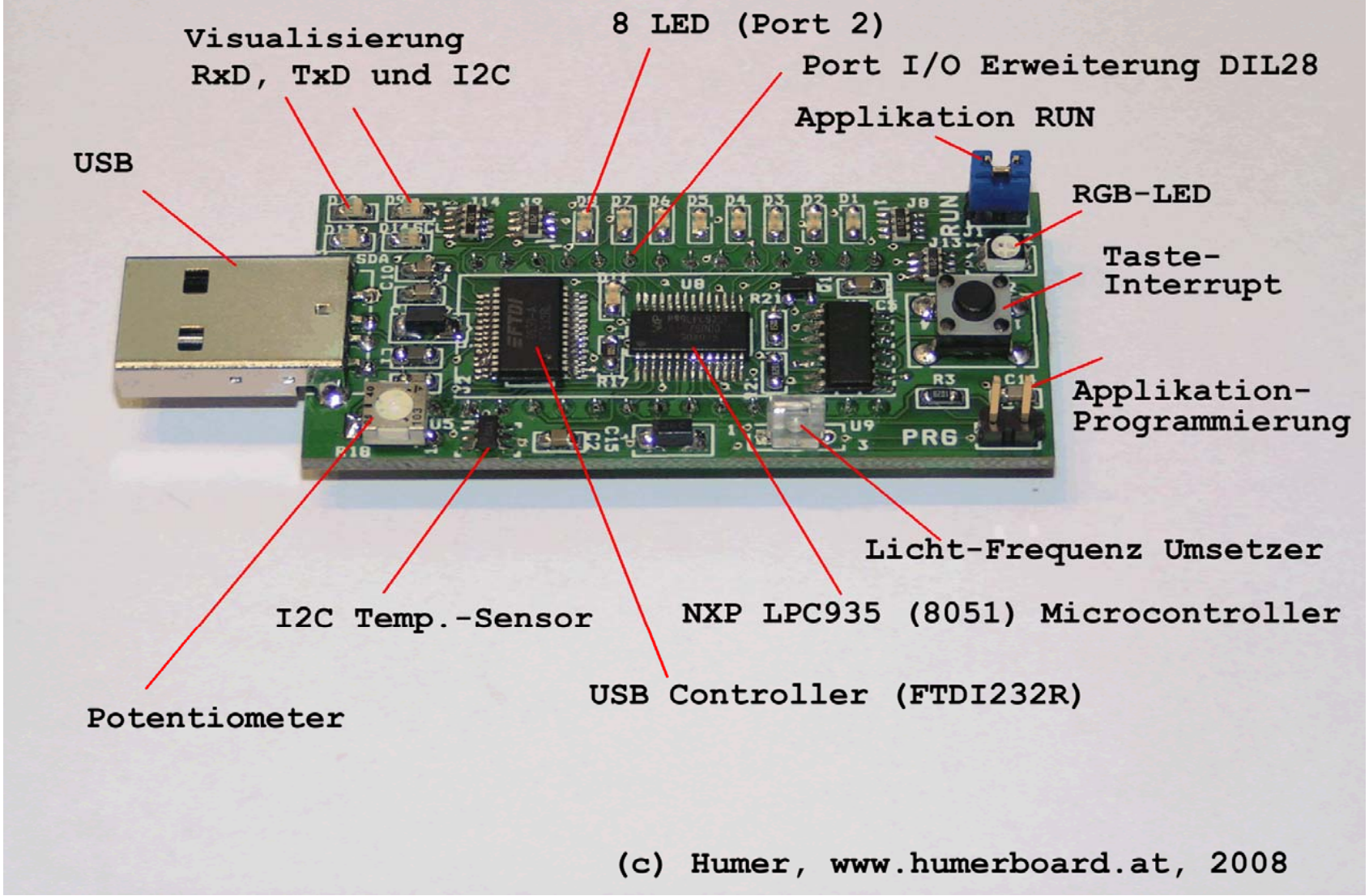

www.humerboard.at - SAF-XC866-4FR
NO
(c) Humer

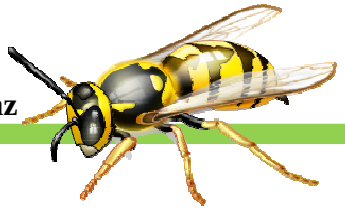


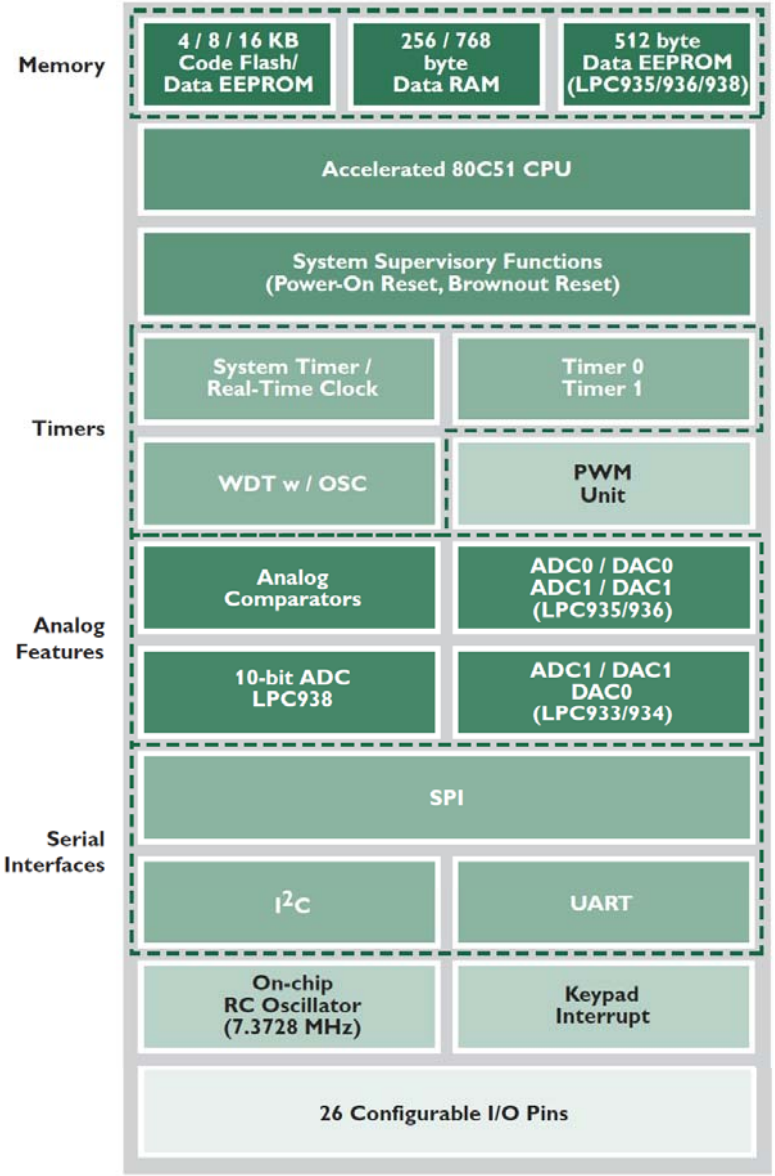
# NLB8 System XC866



# Next Level Board - LPC935 - Flash 8051





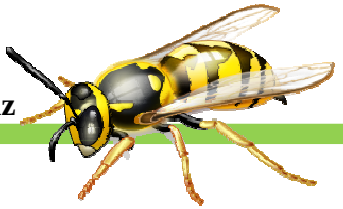


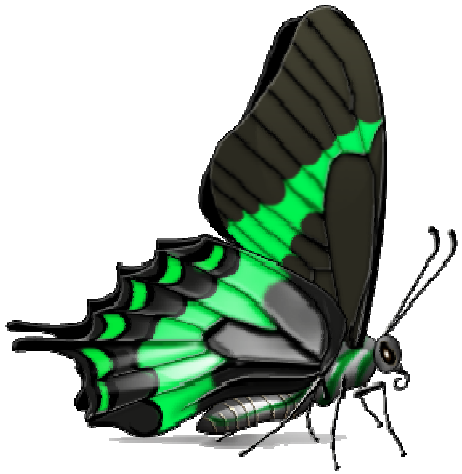

*P89LPC93x block diagram*

## Key features

- Two independent 4-channel 8-bit ADCs/DACs (LPC935/936). Both ADCs can be converted in parallel with same-time sampling
- One 4-channel 8-bit ADC and two 1-channel 8-bit DACs (LPC933/934) or one 8-channel 10-bit ADC (LPC938)
- 4/8/16 KB byte-erasable Flash code memory with 1 KB /2 KB sectors and 64-byte pages. Sectors or pages can be erased in 2 ms
- 256/768-byte RAM data memory
- Two 16-bit timers. Each timer pin may be configured to become a PWM output or a counter input
- Real-time clock that can also be used as a system timer
- Two analog comparators with selectable inputs and reference source
- 2.4 V to 3.6 V $V_{DD}$ operating range. I/O pins are 5 V tolerant (may be pulled up or driven to 5.5 V)
- SPI communication port
- 400 kHz byte-wide $I^2C$ communication port plus enhanced UART
- 16-bit capture/compare unit (CCU) (LPC935 / 936 / 938)

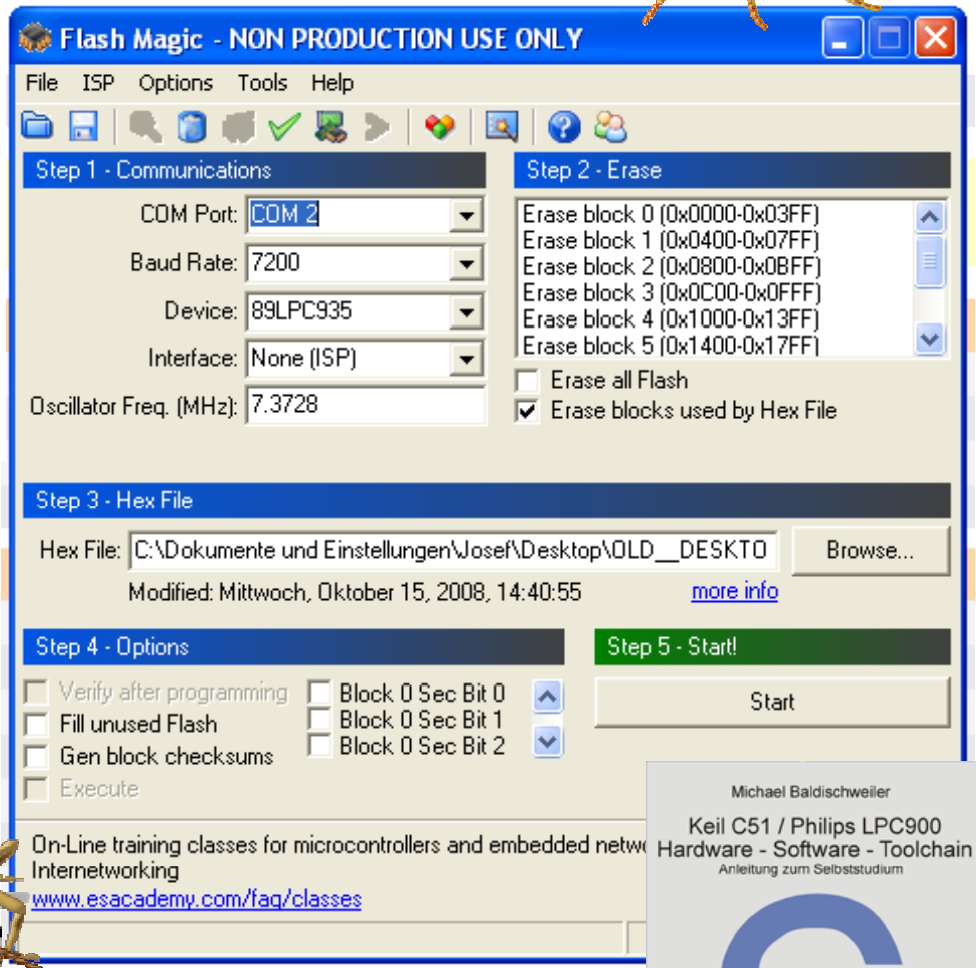
www.nxp.com





**A n w e n d u n g e n FTKL/TINF**

**Lauflicht**
**Binärzähler**
**BCD-Zähler**
**Zeitbasen mit Timer**
**Counter mit Timer**
**Serielle Schnittstelle**
**Taschenrechner**
**Elektronischer Würfel**
**Reaktionszeitmessgerät**
**I2C Temperaturmessung**
**1-wire Temperaturmessung**
**PWM Programme (LED)**
**Spannungsmessung (Analog)**
**Kombinationen**
**usw… …. Erweiterungen**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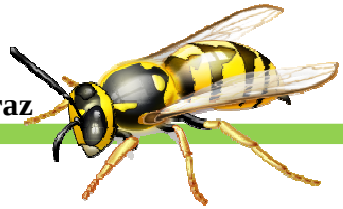
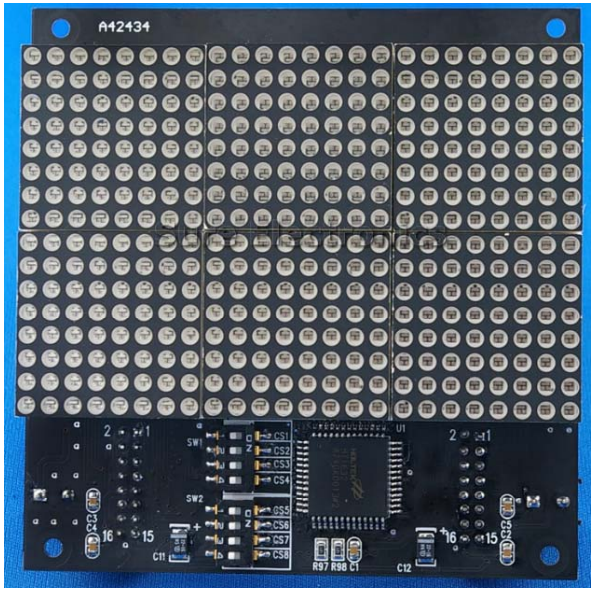
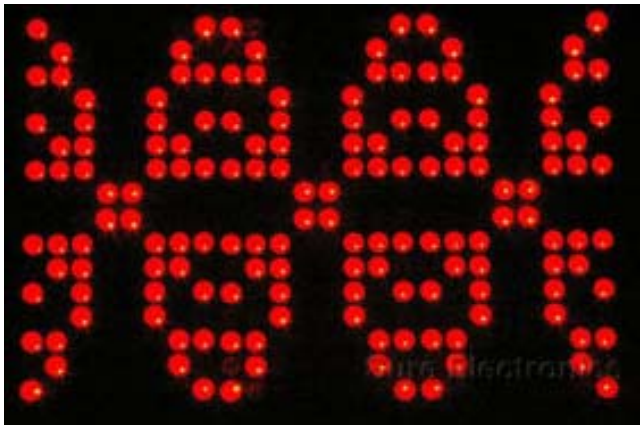
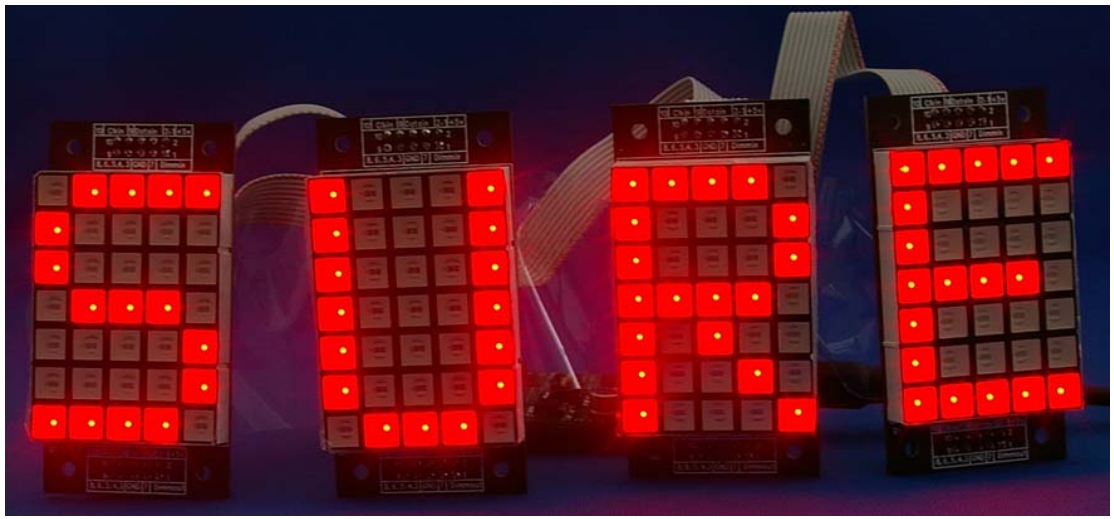




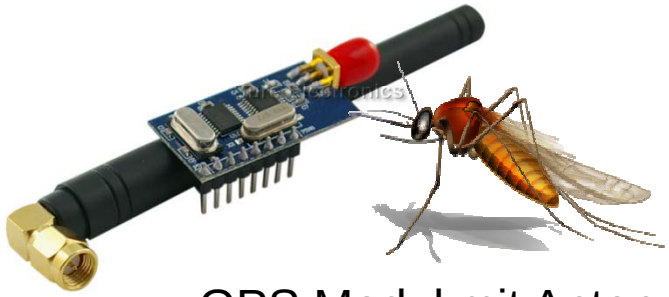
Displaymodul 24x16 Punkte 7€

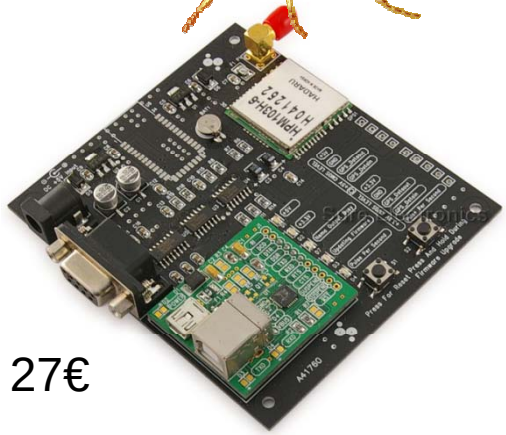
DOT-Displaymodul 5x7 Punkte 4€



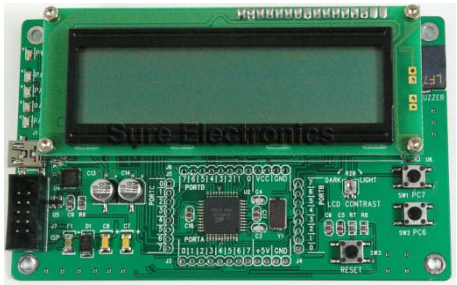
Transceiver 433MHz 9€

Gyrator 14€



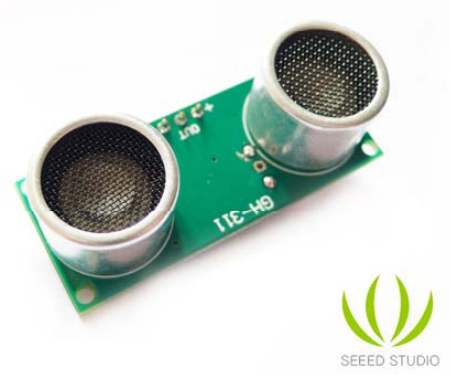


GPS Modul mit Antenne 27€



AVR/PIC Board 24€

3-Achsen Beschlg. 11€



Ultraschall Entfernungsmesser 9€

2-Achsiger Kompass 35€

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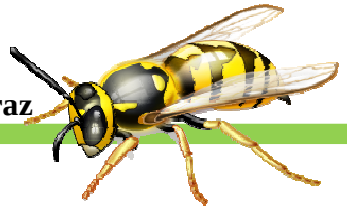

**Nächster Termin:** **N L B LPC935/936**

# Mo. 9. November 2009

**BULME GRAZ**