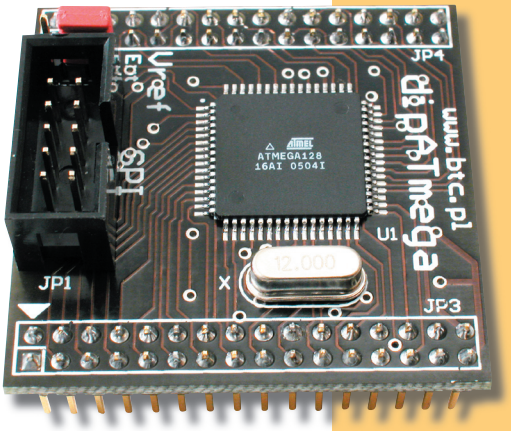
KAMAMI

ZL7AVR

Mini-module with ATmega128 microcontroller

dipATmega128



ZL7AVR is an easy to use versatile mini-module based on Atmels ATmega128 microcontroller (AVR enhanced RISC architecture). In ZL7AVR module all ports and signals of the microcontroller are available on two-row pin connectors with 0.1' pitch (pin headers). In addition, we offer prototype board ZL8AVR.

ver. 1.0

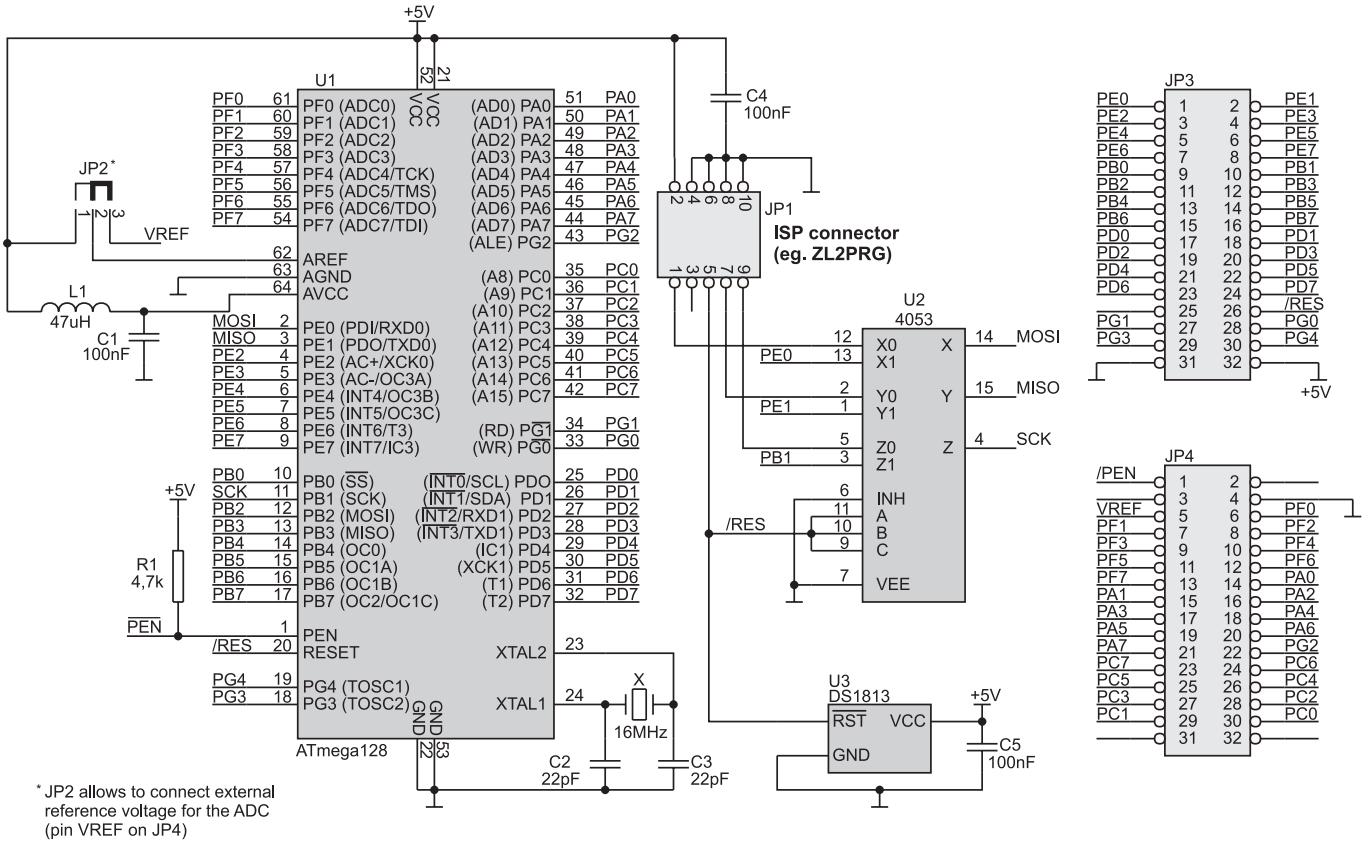
btc

Key features

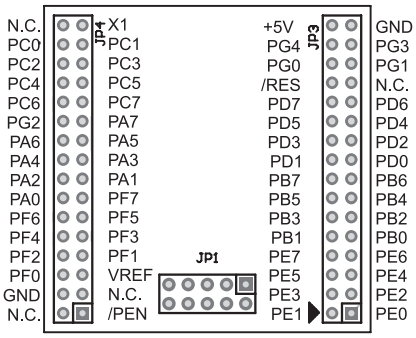
- ATmega128 microcontroller (high speed RISC CPU with 128kBytes FLASH program memory, 4kBytes SRAM, 4kBytes EEPROM)
- 2x32 connectors with pitch 0.1' (2.54 mm) for connecting user-designed base-board or ZL8AVR prototype base board
- 16MHz resonator
- 10-pin ISP programming connector allows to attach any programmer compatible with STK200 (eg. ZL2PRG) with bus multiplexer
- Reset/power fail detector (DS1813)
- 53 I/O lines
- PCB and SCH libs for Protel 99/DXP/2004 are available
- Supply voltage: 5VDC
- Dimensions: 43mm x 43mm x 20mm

PCB and SCH libraries for Protel 99/DXP/2004 are available:
http://www.kamami.com/pdf/zl7avr_libs.zip.

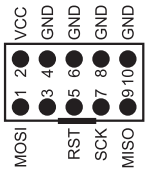
Schematic diagram



Pin description

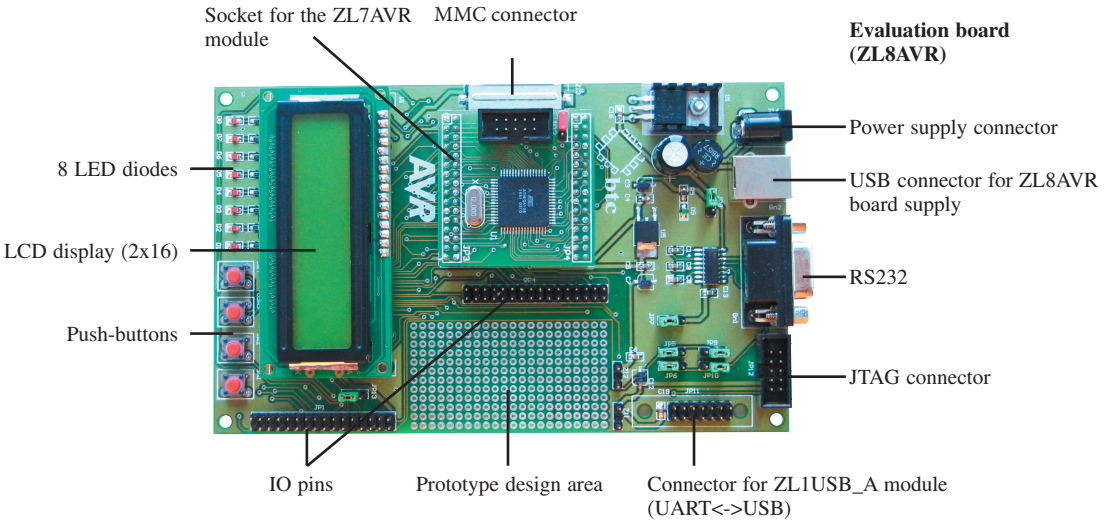


JP1 – ISP connector



Evaluation board

In order to developing projects with ZL7AVR more effectively, an evaluation board has been prepared. It includes the following elements:



Contents of package

Ordering code	Description
ZL7AVR	▶ Mini-module assembled and tested.

Technical assistance

For technical assistance, please contact support@kamami.com.
Please provide the following data:

- Version of the operating system
- Microcontroller type used in your system and its oscillator frequency
- Detailed description of the problem

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