

STK600 - card

You familiarize with the STK 600 development kit in this assignment.

You are going to use the STK 600 development kit in the programming tasks. That's why it's necessary to complete this assignment before the programming tasks.

Material

STK600 User's Guide and STK600 Extensions pdf files.

Tasks

All tasks are mandatory. `{1p}`

1. The purpose of the STK600 card.

Explain the main aimed use purposes of the card. (Use Google to find advertisements)

2. The main features

Explain the most important features of the card. (manual p.2)

3. Connecting a processor to STK600

What are the parts of the new development kit? How do you connect the card to PC ? (manual) What about the necessary PC software?.

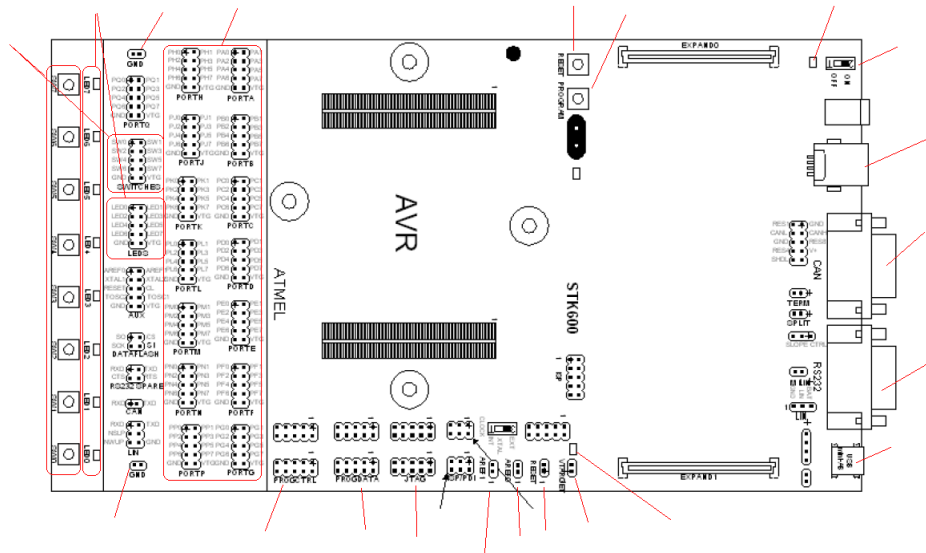
4. The price of the development kit

Find out at least three internet shops that sell the kit. (internet shops)

5. The parts of the card

Why do we need the extension card? (manual)

Write the meaning of the components into the following picture.(red lines)



5. The power supply

What are the alternatives of powering the card? (chapter 4)

6. Resetting the card

How do you reset the card? (Chapter 4)

7. Connecting IO devices

Explain the system how you connect the leds and switches to the processor ports. Include a picture. (Chapter 4)

8. The clock setting of the processor

Explain the alternatives to set processor clock frequency.

9. Programming the card

Explain the alternative ways to download the program to the card. (Chapter 5)

10. ISP- Programming

We use the AVR Dragon to download the program. What are the advantages of this arrangement? Any disadvantages? (Chapter 5)

11. Default settings

Explain the jumper settings. What jumpers must be inserted? What happened if you remove them?