IC Tester using 8051 microcontroller

Hardware components:

- AT89S52 Microcontroller.
- USBASP Programmer.
- USB to TTL module (For ATSTAMP).
- 7453 IC (AND/OR Invert Gate).
- 74377 IC (Octal D Flip Flop).
- 74174 IC (Hex/Quad D Flip Flop).
- 4029 IC (Binary/Decade Up/Down Counter).
- 1x 22.1184 MHz Crystal Oscillator.
- 2x 33pF capacitors.
- LEDs.
- 330 Ohm Resistors.
- 10 µF capacitor.
- Switch.
- Connectors.