







#### 4. Conclusions

The experiment board specially designed for teaching fits perfectly with the teaching content. Its volume is smaller and easy to carry. After teachers finish theoretical content or examples, students can use it at class, observe the operating results of visual images to validate and summarize the content, truly "learning to do, learning by doing", Theory is combined with practice perfectly, greatly stimulating interest in learning. The circuit is simple, reserved ports are rich, flexible to connect, easy for beginners to use and study. The circuit board used in single chip computer practice teaching, with good teaching, not only can train the student software programming skills, but also enhance its hands-on and practical ability, with single chip computer engineering practice ability and attainment for system application development needs.

#### 5. References

- [1] Song Yun-pu, Zhou wen-yong, Xu Ming-qian, Liu Gang, Zhou Meng-wei, "Exploration on the Ways and Facilities of Single-chip Computer Experiment in Universities", Research and Exploration in Laboratory, Vol. 28, No.11, Nov. 2009, pp. 6-9.
- [2] Wu Song, Zhang Yan-hui, "Reform and Exploration of Single -Chip Computer Experiment Teaching in University", J. Da Zhong Ke Ji, No. 11, Nov. 2011, pp.194-205.
- [3] Hui Huang, Lai Xiao-chen, Chi Zong-zheng, Wu Yi-qi, "Exploration of homemade node of teaching experiment equipment based on single-chip computer in colleges and universities", Experiment Technology and Management, Vol. 29, No.5, May. 2012, pp.229-232.
- [4] Xie Wei-cheng, "Principle and Application of MCU & C Programming", Tsinghua University Press, 2009, pp.143-146.
- [5] Yao Zhi-guang, "Experiment and Explore in Course of Single-Chip computer Teaching", Journal of Shanxi Economic Management Institute, Vol. 18, No.2, Jun. 2010, pp. 111-113.
- [6] Jia Ping, Ding Xiang-rong, Hu Meilan, "Design and Application of Testing Platform for single chip computer Teaching of Union of Teaching, Learning and Doing", Experiment Technology and Management, Vol. 29, No.6, Jun. 2012, pp. 139-142.