基于 DSU 的 Nor Flash 在线编程方法研究

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摘 要:针对现有 Nor Flash 在线编程方法操作复杂的问题,提出了一种基于 DSU 片上调试单元并通过 PC 机串口直接编程的 Nor Flash 通用在线编程方法. Flash 编程软件读取存储在配置文件中 Nor Flash 的编程命令序列和待编程目标文件中的数据,通过串行口发送给 DSU 单元并由其完成编程操作. 应用结果显示,该方法简便易行,具有良好的通用性.

关键词:DSU;Flash 编程配置文件;Nor Flash;Flash 在线编程

The Research About the DSU-based Method of On-line Nor Flash Programming

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Abstract:Aiming at the operation complicated problem in the existing Nor Flash programming mode, this paper proposes a common method to online program Nor Flash directly through PC port which is based on DSU on-chip debug unit. In this method, Flash programming software reads the Nor Flash command sequences from a configuration file and data to be programmed of object files and through UART port sends to the DSU, then DSU programs Flash. And experimental results show that the method is easy to practice and has good universality.

Key words:DSU; Flash programming configuration file;Nor Flash ; Flash online programming

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