100-up price
EPCS1SI8
€ 2.95

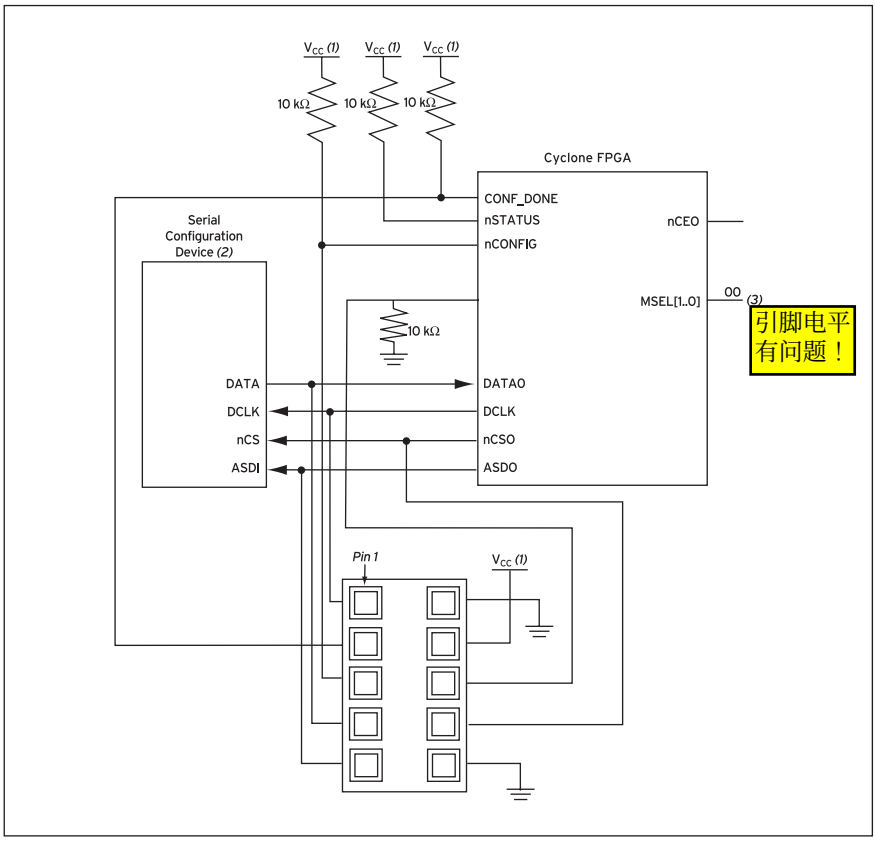
100-up price
EPCS4SI8
€ 10.90

EBV Elektronik

EPCS1 and EPCS4 Configuration Devices

from Altera®

The EPCS1 and the EPCS4 are new low-cost, flash-based, configuration devices for optimal configuration solutions in conjunction with Altera's Cyclone devices. The available memory density is 1 Mbit when used with EP1C3, EP1C4 and EP1C6, or 4 Mbits with any Cyclone device. The unused part of flash memory can be utilized as general-purpose memory via an easy-to-use active serial interface. EPCS devices can be programmed using the ByteBlaster II download cable, the Altera Programming Unit (APU) or programming hardware from other vendors. The diagram shows a typical configuration example.
A Cyclone FPGA and the serial configuration device are connected by means of an active serial interface. The configuration device can be programmed via JTAG using the Byte-Blaster II download cable.



Features

- Flash based, Low cost
- EPCS1 (1 Mbit) for EP1C3, EP1C4 and EP1C6
- EPCS4 (4 Mbits) for all Cyclone devices
- Easy-to-use 4-pin interface
- 3.3 V operation
- Low current during configuration and near zero current in standby mode
- Over 100,000 erase/ program cycles
- 8-pin SOIC package

ByteBlaster™ II Download Cable

The new ByteBlaster II download cable is used to drive configuration data from PC to Stratix™, APEX™ II, APEX™ 20K (including APEX 20K, APEX 20KE, and APEX 20KC), ACEX® 1K, Mercury™, Excalibur™, FLEX 10K® (including FLEX 10KA and FLEX 10KE), FLEX 8000, and FLEX 6000 devices, as well as programming data to MAX® 9000, MAX 7000S, MAX 7000A, MAX 7000B, MAX 3000A devices and configuration devices. Only this cable supports programming of serial configuration devices (EPCS1 and EPCS4) via the active serial configuration scheme.

Ari Hautakoski, EBV Oulu