

SECO P0807 DE23-LITE AGILEX 3 C EVAL BRD Development Board Datasheet

Product Overview:

- **Manufacturer:** SECO
- **Product Name:** P0807 DE23-LITE AGILEX 3 C EVAL BRD
- **Category:** Development Boards, Kits, Programmers
- **Type:** FPGA Evaluation Board
- **Packaging:** Box
- **Part Status:** Active
- **Lead Time:** Approximately 6 weeks

Key Features:

- **FPGA:** Altera Agilex™ 3 A3CZ135BB18AE7S
 - Logic Elements: 135,110
 - Embedded Memory: 6.89 Mbit M20K
 - Multipliers: 368 (18x19)
- **Memory:**
 - 64MB SDRAM (32-bit data bus)
 - 128 Mbit QSPI Flash for configuration
- **Connectivity:**
 - HDMI Output with Audio (ADV7513)
 - USB Type-C with integrated USB Blaster III for programming and debugging
 - UART Communication
 - 2×20 GPIO Header
 - 8-channel ADC Header (2×5)
- **User Interface:**
 - 10 LEDs
 - 10 Slide Switches
 - 6 Seven-Segment Displays
 - 4 Push Buttons
- **Power Supply:** 5V via USB Type-C

Applications:

- Embedded Vision and Image/Video Processing
- Digital Logic Design and Verification
- Robotics Control Systems and Sensor Interfacing
- Classroom Instruction and Academic FPGA Labs
- Edge Computing and Low-Power FPGA-Based Systems

Related Products:

- **Terasic Atum A3 Nano Development Board:** Compact FPGA board featuring an Intel Agilex™ 3 FPGA, USB-Blaster III, HDMI, SDRAM, and a rich I/O interface.
- **Agilex™ 3 FPGA C-Series Development Kit:** Comprehensive development kit designed for broad market applications requiring cost-effective and space-efficient designs.

Notes: This datasheet is based on publicly available information and may not be complete. For detailed specifications and technical documentation, contact SECO directly or consult their official website.