Artix Micromodule A35 with Xilinx XC7A35T-2CSG325I, speedgrade -2I

Order number: TE0714-02-35-2I

Product information "Artix Micromodule A35 with Xilinx XC7A35T-2CSG325I, speedgrade -2I"

The Trenz Electronic TE0714-02-35-2I is an industrial-grade FPGA module integrating a Xilinx Artix-7 35T, 16 MByte QSPI Flash memory for configuration and operation and powerful switch-mode power supplies for all on-board voltages. A large number of configurable I/O's is provided via rugged high-speed stacking strips.

All parts are at least industrial temperature range of -40°C to +85°C. The module operating temperature range depends on customer design and cooling solution. Please contact us for options.

All this on a tiny footprint, smaller than half a credit card, at the most competitive price.

Key Features

- Xilinx Artix-7 XC7A35T-2CSG325I;
- Rugged for high shock and vibration
- Size 4 x 3 cm
- 16 MByte QSPI Flash memory
- Plug-on Modul mit 2×100-pin high-speed hermaphroditic strips
    - 144 FPGA I/O's (max 68 differential)
    - XADC Analog Input
    - 4 GTP (high-performance transceiver) lanes
    - Optimized I/O and power pins for good signal integrity
- On-board high-efficiency DC-DC converters
- eFUSE bit-stream encryption (AES)
- One user LED

Other assembly options for cost or performance optimization plus high volume prices available on request.

Recommended Software

Vivado HL WebPACK Edition (free Version)

All Xilinx Vivado Versions