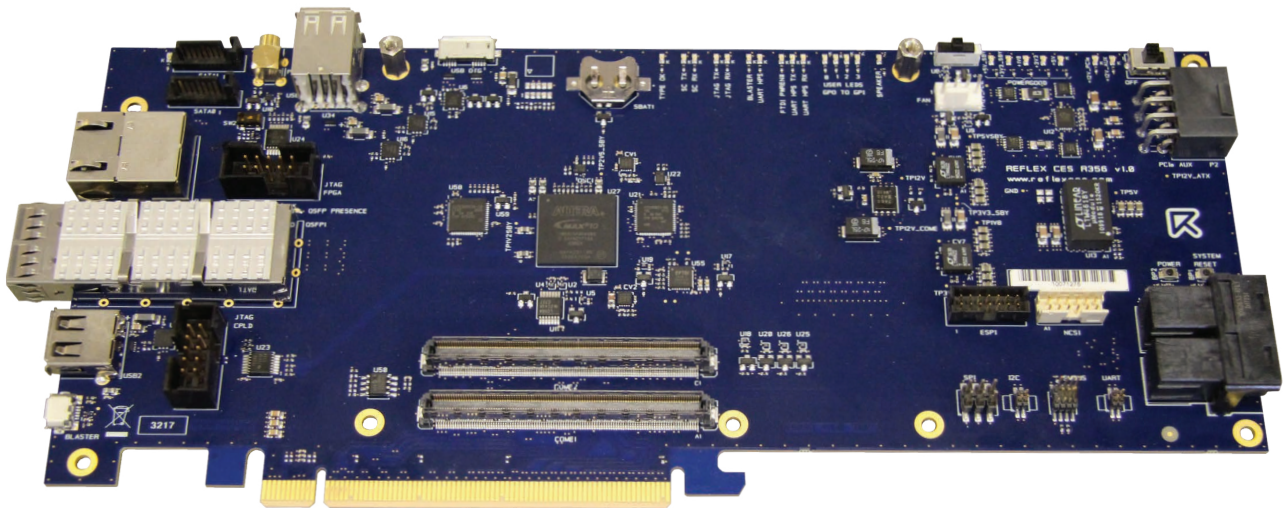# COMXpressSX Stratix® 10
PCIe Carrier Board

- **Evaluation carrier board with standard and high speed connectivity**

- **Designed to use quickly in server platform with PCIe x16 lanes**

- **High-speed link : Quad 10 GbE interface with Optical front end, PCIe 3.0, SATA3, Mini SAS, USB 3.0**

Target applications:

IP prototyping
Military and Aerospace
Machine and Intelligent vision
Test & Measurement, Medical

Industrial
HPC and data center
Video Broadcast, Video application

PCI EXPRESS 3

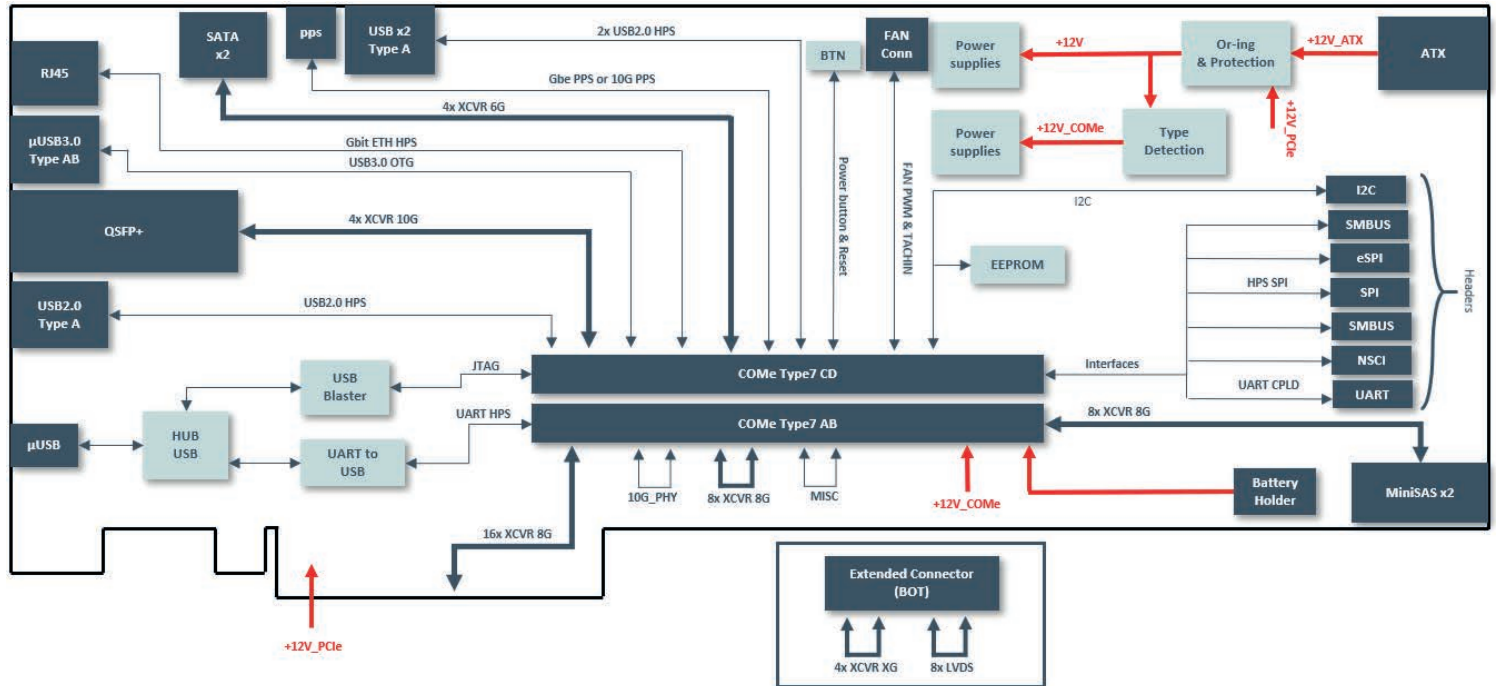Contact :

Europe Sales Office
sales@reflexces.com

www.reflexces.com

North America Sales Office
salesusa@reflexces.com

Full Specifications

Configuration and Monitoring

- 1x Micro USB (On board USB Blaster, UART over USB)

Communication Interfaces

- 1x Ethernet 10/100/1000 Base-T (HPS)
- 1x QSFP+ Optrical link for 10/40GbE protocols
- 2x Serial SATA revision 3.0, 6Gb/s
- 2 x MiniSAS quad connector (1 HD SAS, 4 SATA HDD, NVMe interface capable)
- 3x USB2.0 Type A (HPS)
- 1x USB3.0 OTG Type A
- SPI, SMB, I²C, UART and 8 GPIOs on header connectors
- 1x PCI Express x16 (Gen 1, 2 or 3).
- 1x eSPI interface multiplexed over Intel Low Pin Count (LPC) Interface
- 1x Network Controller Sideband Interface (NC-SI) for host communication
- 1x RTC battery holder
- 1x Coax connector for PPS (pulse per second)
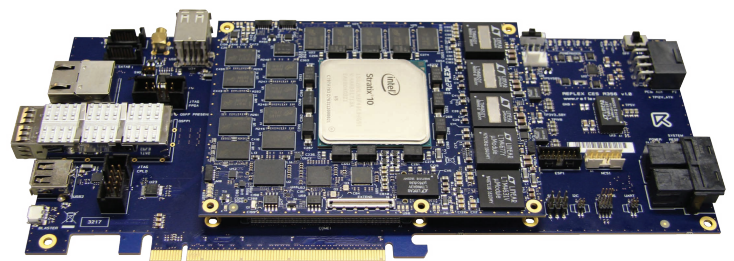
Power supply

- 8-pin ATX Power supply connector with Oring protection

Operating temperature : -0°C / + 40°C

Board dimensions : full length 254mm x 111.15mm

Compliance

- Full compatible with COMXpressSX Stratix 10 module
- RoHS/REACH compliant
- UL certified
- ISO9001 Facility

Deliverables

- PCIe evaluation board with PCIe bracket
- Schematics
- Mechanical files (3D DWF/STEP models and 2D drawing) (upon request)

- VHDL test designs (included top level) - provided with COMXpress SX Stratix 10 module
- Linux BSP for COMXpress SX Stratix 10 module

Ordering information

Part number = RXCS10S0000F43-FHP00A

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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  [RXCS10S0000F43-FHP00A](#)