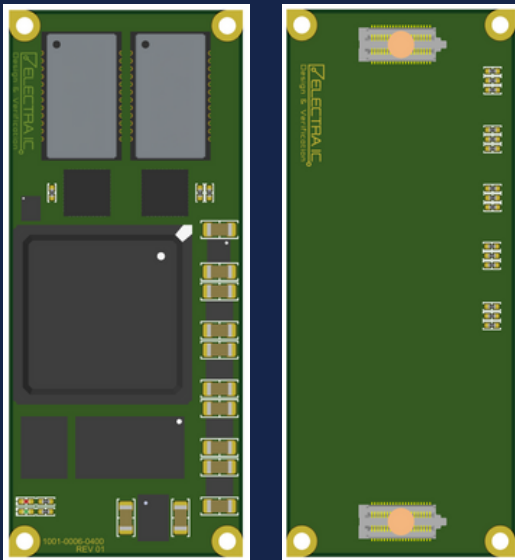


## **Small Form Factor PCIe ARINC664 End System Board**

This small form factor PCIe board allows one dual redundant ARINC664 Part7 channel to be easily added to any small embedded system to provide a cost-effective, lightweight, small-size, rugged and reliable bus interface. The board can meet rugged levels of shock and vibration along with a maximum temperature range of -40°C to +85°C.



### **Features**

- 32 VL Support
- Adjustable BAG Values (125us - 32ms)
- 64-byte Lmin & 1471-byte Lmax Data Length Support
- Dual Redundancy (Enable / Disable)
- Integrity Check (Enable / Disable)
- Two ARINC664 Ethernet Ports
- 100/1000 Mbps Ethernet
- Discrete I/Os
- JTAG Interface
- High-Level C Software Development Kits for Windows®, Linux® and VxWorks®

### **Applications**

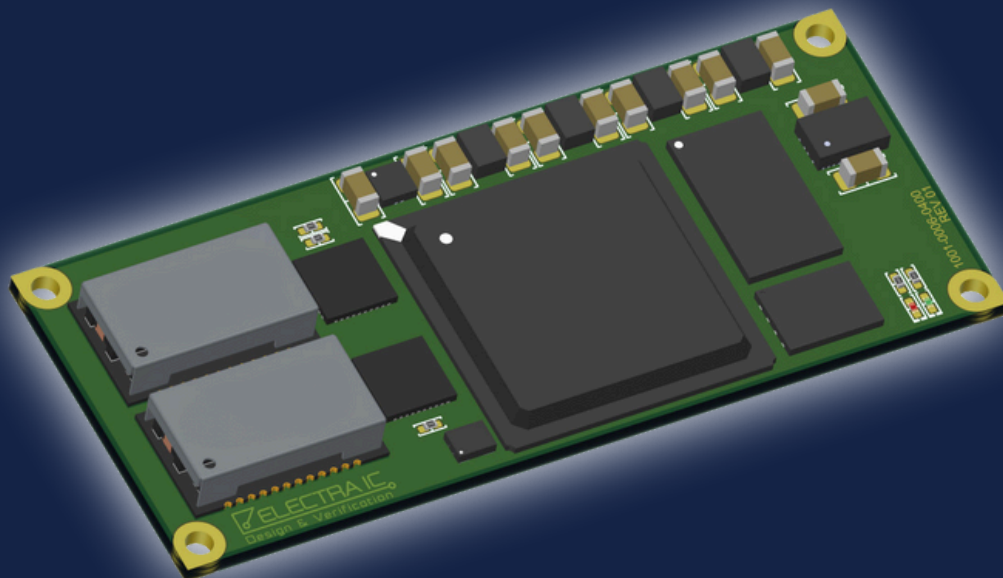
- Avionics Systems Integration
- Aircraft Flight Control Systems
- Aircraft Data Distribution Systems

## Technical Specs

- Microchip MPF200T-FCVG484I FPGA
- Air Cooled Board
- x1 or x4 lane PCIe Host Interface
- 4Gbit Memory DDR3L
- 256 Mbit QSPI Flash
- 100 MHz CMOS Oscillator
- 30mm x 70mm Board Dimensions
- 3.3V DC Power Supply
- -40°C & +85°C Operating Temperature
- RoHS Compliance

## Ordering Information

| Product Code | Description                    |
|--------------|--------------------------------|
| EIB-20E6D    | ARINC664 End System PCIe Board |



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