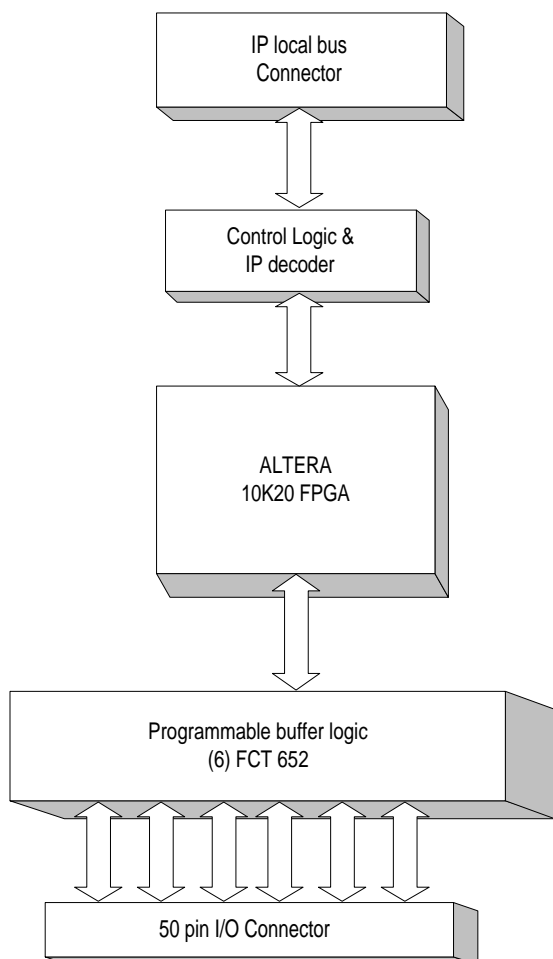


## FPGA with 48 I/O Industry Pack

### ALTERA 10K20 FPGA with buffered I/O

ATC-ALTERA-IO  
Functional Block Diagram



### FEATURE SUMMARY

- ALTERA 10K20 series FPGA
- Separate control logic for IP interface
- 48 user I/O pins in groups of 8
- Buffered I/O with FCT652
- Direct readback of register
- Direct output control
- Pre programmed output latch w/ output strobe
- Change of state detection & interrupt
- Bit pattern recognition
- (2) 32 bit timers
- Low power design
- VITA 4 Single wide Industry Pack, 8/32 Mhz

### OVERVIEW

The ATC-ALTERA-IO is a user programmable single wide Industry Pack module. There is a ALTERA 10K20 series FPGA. The Industry Pack interface is decoded prior the ALTERA, so that the application has complete use of the ALTERA logic. The outputs are buffered with programmable bi-directional FCT 652 transceivers. They can be programmed in blocks.

### ORDERING INFORMATION

Pn: ATC-ALTER-IO      ALTERA 10K20

© Copyright 2000 by ALPHI TECHNOLOGY  
6202 South Maple Ave., Suite 120 Tempe, Arizona 85283  
PHONE (480) 838-2428 FAX (480) 838-4477 www.alphitech.com