

## Virtex Read/Write Error

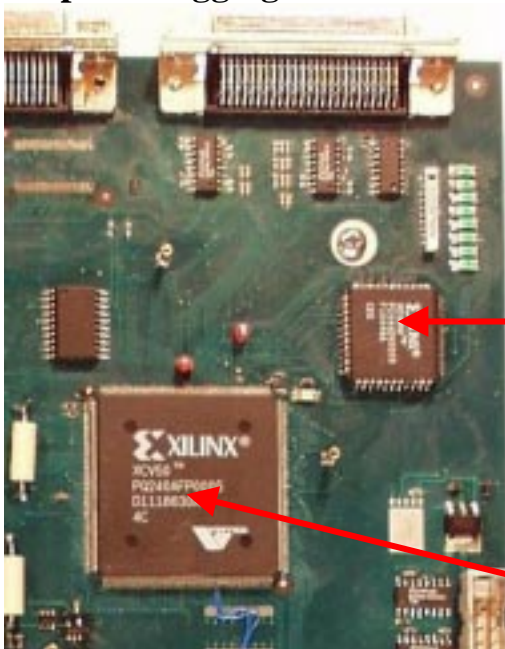
The program loads the Virtex from the EPROM. The data in the Virtex is then read back and compared with the EPROM program.

### ERROR File

Error file gives the number of good and bad comparison bytes.

VIRTEX  
Good 507616 Bad 0 ← example of good readback

### Scope Debugging



EPROM  
TDI pin 9 TDO pin 37 TMS pin 11 TCK pin 13  
CF pin 16  
PROGD0 pin 2 PROGD1 pin 35 PROGD2 pin 4  
PROGD3 pin 33 PROGD4 pin 15 PROGD5 pin 31  
PROGD6 pin 20 PROGD7 pin 25

VIRTEX  
TDI pin 183 TMS pin 2 TDO pin 181 TCK pin 240  
PROGRAM 122  
PROGD0 pin 177 PROGD1 pin 167 PROGD2 pin 163  
PROGD3 pin 156 PROGD4 pin 145 PROGD5 pin 138  
PROGD6 pin 134 PROGD7 pin 124

- 1) Check program light.
- 2) Check program signal is present at Virtex.
- 3) Check eight bit program lines are present at Virtex.