

Buckeye Shift Error

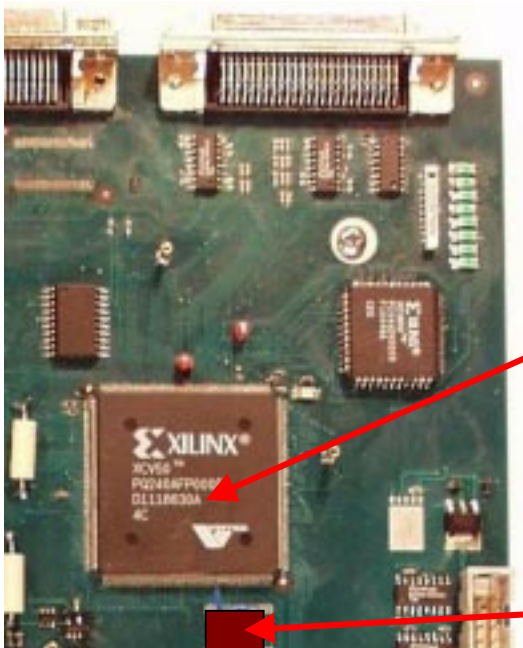
The program shifts bits through the Buckeye shift registers to make sure they are operational.

ERROR File

For a good shift pattern should read badfeed5dead. In the case below all shifts are bad except for the sixth buckeye chip.

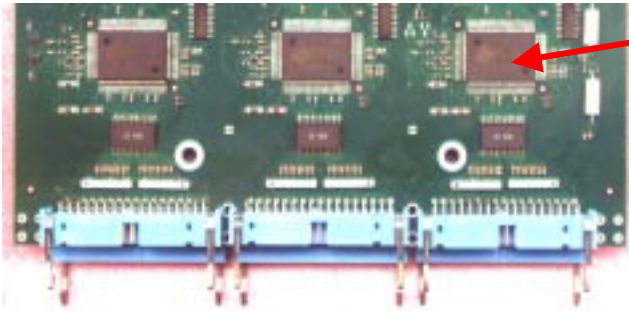
```
BUCKEYE 0  
ffffffffffff  
BUCKEYE 1  
ffffffffffff  
BUCKEYE 2  
ffffffffffff  
BUCKEYE 3  
ffffffffffff  
BUCKEYE 4  
ffffffffffff  
BUCKEYE 5  
badfeed5dead
```

Scope Debugging



VIRTEX Shift Pins						
	X=1	2	3	4	5	6
GXSHNB	34	28	41	38	50	47
GXSHOUT	27	33	36	40	46	49
GXSHCKB	35	31	42	39	51	48

16 Bit Buffer
See Schematic Below



Buckeye
 GXSHIN pin 31
 GXSHCK pin 32
 GXSHBN pin 41

Buckeye 0 Buckeye 2 Buckeye 4 TOP
 Buckeye 1 Buckeye 3 Buckeye 5 Bottom

1) Check bits shifting into Buckeye from Virtex

