

## Quality Control List

These tests will be applied to all cards and are intended to ensure proper assembly of the card and the basic functionality of the components. They are not intended to establish an absolute level of performance. Detailed performance tests will be made but successful completion is not considered to be the responsibility of the vendor. A pre-production run of 16 sets of cards was performed in fall '01 and it has been concluded that a properly assembled card easily passes the tests described below.

In case of failure to pass any of the following tests, the corrective action will be indicated to the vendor and the card returned for repair.

### A. Workmanship Inspection

All cards will be examined for the following characteristics:

1. PCB matches mechanical dimensions and is cleanly milled
2. Card is cleaned of all extraneous debris including flux residue
3. All solder connections sound
4. No excess solder
5. No cold solder joints
6. No short circuits
7. All parts properly positioned and oriented
8. Bar code serial number label properly installed

### B. Electrical Tests

1. DC power consumption within 20% of nominal for 3.3 V supply

### **Procedure for 5-Card Control Sample Qualification**

The above tests will be applied to all 5 cards of the control samples. All cards must pass the workmanship requirements and no more than 1 card can show the same source of electrical failure. If the control sample fails to meet these requirements, the vendor will be informed of the nature of the problem and must submit a new control sample which successfully passes the tests before the production begins.