

# **BP-204SP-P3-A11**

## **Reliability Prediction Report**

### **(MTBF)**

Report NO : 04I070002

**08-27-2004**

Issue Stamp

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Manager

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Test Engineer

# Reliability Prediction (MTBF)

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. **Model Name:** BP-204SP-P3-A11 (4-Slot BP;1 PICMG PCI/ 3 PCI Single Segment.AT/ATX Rev.A1.1)

. **Prediction Date:** August 27, 2004

. **Prediction Site:** AAEON Q.E. Dept.

. **Predicted by :** Jessica Chou

. **Equipment:** Relx Ver.7.3 Visual Reliability Software

. **Simulation Environment:**

Temperature: 25 degrees C

Standard: Telcordia (Bellcore) Standard

. **Term and Definition:**

Unit : An assembly of device.

Duty Cycle : Used to specify the percentage of time that the element is in an on state, and it is equal to the percentage of total time the item is in the active environment.

Quantity : The quantity of the selected item.

Failure Rate : Used to specify that the failure rate is to be calculated based the selected Calculation models. The multiplier is 1,000,000.

MTBF : MTBF is always specified in hours.

. **Prediction Result:**

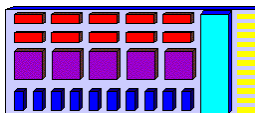
Failure Rate: 8.447028 ppm

MTBF: 118,385 Hours

## IX. Prediction Table

### Standard Reliability Prediction Report

**Part Number** 96972040A1  
**Reference Des**  
**Date** 八月 27, 2004  
**Environment** GF, GU - Ground Fixed,  
**Temperature** 25.00

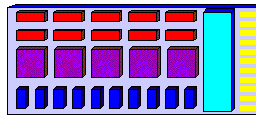


**Description** Top-level assembly  
**File Name** BP-204SP-P3-A11.RPJ  
**Time** 11:11 上午  
**Failure Rate** 8.447028  
**MTBF** 118,385

Assembly Name	Part Number	Ref Des	Qty	Failure Rate	MTBF
BP-204SP-P3-A11	96972040A1		1.00	8.447028	118,385

**Standard Reliability Prediction Report**

**Part Number** 96972040A1  
**Reference Des**  
**Date** 八月 27, 2004  
**Environment** GF, GU - Ground Fixed,  
**Temperature** 25.00



**Description** Top-level assembly  
**File Name** BP-204SP-P3-A11.RPJ  
**Time** 11:11 上午  
**Failure Rate** 8.447028  
**MTBF** 118,385

Part Number	Category	Ref Des	Failure Rate, Unit	Quantity	Failure Rate
1655420020	Connection	ATX1	0.284485	1.00	0.284485
1655112010	Connection	AT1	0.028449	1.00	0.028449
1655003022	Connection	CN2	0.042673	1.00	0.042673
1655008000	Connection	CN1	0.113794	1.00	0.113794
1655003010	Connection	CN3	0.042673	1.00	0.042673
1653002100	Connection	CN4	0.028449	1.00	0.028449
1654260201	Connection	CPCI1,PCI1-PCI3	1.706911	4.00	6.827645
1111610100	Capacitor	C1,C10-C15,C2--C9	0.027242	15.00	0.408631
1113647091	Capacitor	C16-C19	0.018115	4.00	0.072462
1655005021	Connection	KB1-KB3	0.071121	3.00	0.213364
11B4701670	Capacitor	M10-M23,M2-M9	0.016339	22.00	0.359460
1019733009	Resistor	R1	0.002268	1.00	0.002268
1019751009	Resistor	R2,R5	0.002268	2.00	0.004535
1010912019	Resistor	R3,R4	0.002268	2.00	0.004535
1010510009	Resistor	R11-R13,R6	0.002268	4.00	0.009071
1019747019	Resistor	R10,R9	0.002268	2.00	0.004535