

# RTC-700 A1.2

## Reliability Prediction Report (MTBF)

Summary	Failure Rate: 7967.365068 ppm MTBF: 125,512 Hours
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**Issue date**

2015/08/13

**Approval**

KJ Wang

**Test Engineer**

Aslen Hsieh

# Reliability Prediction (MTBF)

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**I . Model Name:** RTC-700A1.2

**II . Prediction Date:** 8. 13, 2015

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

**IV . Predicted by:** Aslen Hsieh

**V . Equipment:** Windchill Quality Solutions 10.1

## **VI. Simulation Environment:**

- Temperature: 30 degrees C
- Standard: Telcordia (Bellcore) Standard

## **VII. 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 Failure rate multiplier is 1000000000.
- MTBF : MTBF is always specified in hours.

**VIII. Prediction Result:**

RTC-700A1.2 (M/B: 9697700A00-D ; I/O Board: 9697700A00-S):

- Failure Rate: 7967.365068 ppm
- MTBF: 125,512Hours

**AAEON Reliability Prediction  
Summary**

**File Name:** RTC-700A1.2.rfp  
**Duty Cycle:** 100  
**Calculation Model:** Telcordia Issue 2  
**Method:** Method I Case 3

**Failure Rate:** 7967.365068  
**MTBF (hrs):** 125,512  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Assembly Name	Part Number	Ref Des	Quantity	Failure Rate	MTBF
RTC-700A1.2	9697700A00-D		1	7967.365068	125,512

**File Name:** RTC-700A1.2.rfp  
**Assembly:** 9697700A00-D  
**Ref Des:**  
**Description:**

**Failure Rate:** 7967.365068  
**MTBF (hrs):** 125,512  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1050502004	Resistor	R6405,R6406 ,R6409, R6410		2.547039	4	82309758.689546
1050502204	Resistor	R1612,WR40 10, WR4011,WR 4012, WR4013,WR 4014, WR4015		2.547039	7	48991237.965885
1050502224	Resistor	R0611,R0650 ,R0709, R0710,R1504 ,R1505, R2103,R2104		2.547039	8	43225424.698300
1050503934	Resistor	PR8206,PR86 06		2.547039	2	154078778.388085
1050504734	Resistor	PR8106,PR88 48, PR8850,PR88 58, R1002,R1011 ,R304, R6148		2.547039	8	43225424.698300
1050507524	Resistor	R1401,R1402 ,R1407, R1408		2.547039	4	82309758.689546

**File Name:** RTC-700A1.2.rfp  
**Assembly:** 9697700A00-D  
**Ref Des:**  
**Description:**

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**Temperature:** 30  
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Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1050510034	Resistor	PR8102,PR8201, PR8210,PR8601, PR8612,PR8816, PR8817,PR8823, PR8827,PR8829, PR8849,PR8855, PR8860,PR8862, PR8864,PR8876, PR8878,PR8879, PR8882,PR8883, PR8886,PR8892, PR8893,PR8897, PR8904,PR9305, R2904,R2905, ,R299, R4107,R4108, ,R4109, R6704,R6707, ,R6709, R671		2.547039	39	9493970.778443
1050518034	Resistor	PR8843,PR8877		2.547039	2	154078778.388085
1050520034	Resistor	PR8919,R3009		2.547039	2	154078778.388085
1050524004	Resistor	R1403		2.547039	1	282340674.079668
1050524034	Resistor	PR8835,PR8838		2.547039	2	154078778.388085
1050533004	Resistor	R34082,R6156, R6157, R6158,R6166, R7207		2.547039	6	56573956.677649
1050533034	Resistor	PR8813,PR8820, PR8853,PR8857, PR8918,R1223, R270		2.547039	7	48991237.965885
1050533214	Resistor	PR8205,PR8605		2.547039	2	154078778.388085

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Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1050545304	Resistor	R1521		2.547039	1	282340674.079668
1050549934	Resistor	PR8830,R6143,R7919		2.547039	3	107020754.986850
1050568034	Resistor	PR8809		2.547039	1	282340674.079668
1050580614	Resistor	R2413		2.547039	1	282340674.079668
1050584524	Resistor	PR8207,PR8607		2.547039	2	154078778.388085
1050700334	Resistor	R6701		2.547039	1	282340674.079668
1050701504	Resistor	R1608,R2410,R3450,R3452		2.547039	4	82309758.689546
1050705154	Resistor	R6140		2.547039	1	282340674.079668
1050720044	Resistor	R0703,R9512		2.547039	2	154078778.388085
105A500103	Resistor	PR8815		2.547039	1	282340674.079668
105A500139	Resistor	R2004,R2406,R6150,R6510,R6511,R6807,R9567		2.547039	7	48991237.965885
105A500239	Resistor	PR8105		2.547039	1	282340674.079668
105A501003	Resistor	PR8805,PR8863		2.547039	2	154078778.388085
105A501039	Resistor	PR8108,PR8208,PR8212,PR8608,PR8705,PR8708,PR8716,PR8719,PR8826,PR8844,PR8851,PR9200,R0910,R0911,R3007,R3008,R6606,R6610,R6611,R6612,R6804,R7002,R7201,R7219,R7223		2.547039	25	14603612.751152
105A501539	Resistor	PR8887,R7220		2.547039	2	154078778.388085
105A501829	Resistor	R1702,R1703		2.547039	2	154078778.388085
105A502039	Resistor	PR8810,PR8814		2.547039	2	154078778.388085

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105A503309	Resistor	R1522,R1607 ,R1611, R1704,R1705 ,R6002, R6003,R6004		2.547039	8	43225424.698300
105A504323	Resistor	PR8840		2.547039	1	282340674.079668
105A504763	Resistor	PR8839		2.547039	1	282340674.079668
105A507509	Resistor	R6705,R6708		2.547039	2	154078778.388085
105A510009	Resistor	R0605,R0606 ,R0607		2.547039	3	107020754.986850
105A510523	Resistor	PR8103,PR82 03, PR8603		2.547039	3	107020754.986850
105A512423	Resistor	PR8714		2.547039	1	282340674.079668
105A515034	Resistor	PR8707,PR87 18		2.547039	2	154078778.388085
105A522033	Resistor	R6145		2.547039	1	282340674.079668
105A531623	Resistor	PR8211		2.547039	1	282340674.079668
105A549919	Resistor	PR8703,PR88 42, R3101		2.547039	3	107020754.986850
105A549969	Resistor	R1203,R1205 ,R1523		2.547039	3	107020754.986850
105A551033	Resistor	PR8825		2.547039	1	282340674.079668
105A561924	Resistor	PR8107		2.547039	1	282340674.079668
105A562034	Resistor	PR8834		2.547039	1	282340674.079668
105A582033	Resistor	R6199,R7920		2.547039	2	154078778.388085
105A700003	Resistor	PR8806,PR88 41, PR9304,R050 2,R0503, R1201,R1405 ,R1406, R1601,R1616 ,R1801, R1803,R2715 ,R3414, R3480,R6104 ,R6402, R6502,R6503		2.547039	19	19019185.781770



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Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
105A700009	Resistor	PJ8100,PJ8600, PJ8700,PJ8701, PJ8800,PJ8805, PJP8202,PR8104, PR8202,PR8209, PR8611,PR8724, PR8836,PR8837, PR8854,PR8870, PR8906,PR8911, PR8912,PR9306, PR9319,PSL8600, PSL8702,PSL8800, R0501,R0504, ,R0601, R0602,R0603, ,R0615, R0620,R0631, ,R0637, R0638,R0640, ,R0		2.547039	159	2397593.390831
105A701059	Resistor	PR8866,PR8868, PR8869,PR8902, R2005,R2414, ,R6141, R6142,R6144, ,R6154, R6717,R6802		2.547039	12	29507083.749401
105A701069	Resistor	PR8824,PR8903, R6151,R7903, ,R9568		2.547039	5	67008142.102588
105A701529	Resistor	R3161,R6710		2.547039	2	154078778.388085
105A704334	Resistor	PR8706,PR8717		2.547039	2	154078778.388085
105A733003	Resistor	R2007,R6126, ,R6128, R6129		2.547039	4	82309758.689546

**Reliability Prediction  
Summary**

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Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
105B501039	Resistor	R0505,R0608 ,R0612, R0613,R0739 ,R1015, R1016,R1017 ,R1019, R1020,R1021 ,R1022, R1603,R1610 ,R1839, R2008,R3137 ,R6109, R6111,R6112 ,R6114, R6117,R6118 ,R6122, R6131,R6132 ,R6155, R6579		2.547039	28	13089488.559853
105B700009	Resistor	PJ8801,PJ88 02, PJ8803,PJ88 04, PR8808,PR88 65, PR8875,PR89 23, PR9369,R063 9,R0687, R0721,R0905 ,R1204, R1206,R1410 ,R1411, R1735,R1736 ,R1806, R1807,R1815 ,R1817, R1818,R1820 ,R1823, R1824,R1826 ,R1827, R1828,R1829 ,R1834, R1835,R1841 ,R1842, R1847,R1848 ,R1849, R185		2.547039	92	4106168.814407

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Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
105B700139	Resistor	R0506,R0507 ,R0628, R0712,R0714 ,R0717, R0719,R0731 ,R0733, R1609,R1922 ,R3304, R3305,R6712 ,R6713		2.547039	15	23852782.943395
105B701039	Resistor	R1224,R272		2.547039	2	154078778.388085
105B701059	Resistor	PR8711,PR87 22, PR8725,PR87 26, PR8821,R064 2,R2464, R2701,R3102 ,R3481, R6108,R6137 ,R6160, R6768,R6769 ,R7221, R9501,R9503		2.547039	18	20032117.836120
105B703309	Resistor	R2204		2.547039	1	282340674.079668

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105B710039	Resistor	PR8610,PR8828, PR8856,PR8861, PR8867,PR8916, PR9308,PR9309, PR9310,R0722, R0906,R1012,R1013, R1014,R1023,R1604, R1614,R1618,R1619, R1709,R1730,R1731, R1836,R1920,R2006, R2405,R2415,R2702, R277,R302,R303, R305,R3131,R3157, R3160,R3408,R3409, R3469,R3		2.547039	54	6915869.790048
1073502089	Resistor	PR8800,PR8801		2.547039	2	154078778.388085

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Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1121501691	Capacitor	C1601,C1602 ,C1604, C1605,C1628 ,C198, C199,C200,C 2001, C2002,C2710 ,C2711, C2712,C2713 ,C2714, C2715,C2716 ,C2717, C2718,C3002 ,C3003, C3004,C3005 ,C3006, C3103,C3105 ,C3114, C3122,C3130 ,C3149, C3150,C4305 ,C6120, C6121,C6122 ,C6140, C6504,C6505 ,C6507, C6611,C6614		1.128806	89	9696972.053957
1121647480	Capacitor	PC9201		1.128806	1	704977644.692287
1122522890	Capacitor	PC8843		1.128806	1	704977644.692287
1124410190	Capacitor	C6723,PC810 7, PC8211,PC88 15		1.128806	4	196873384.410843
1124412090	Capacitor	C0704,C0705 ,C6804, C6805,PC931 8, PC9319		1.128806	6	133979725.056342
1124427190	Capacitor	PC8833		1.128806	1	704977644.692287
1124433090	Capacitor	C2007,C2008 ,C2065, C2702,C3189 ,C3190		1.128806	6	133979725.056342
1124447180	Capacitor	PC8802,PC88 16		1.128806	2	375289731.076049
1124522190	Capacitor	C6702,C6704 ,C6705, C6806		1.128806	4	196873384.410843
1124522280	Capacitor	C0609		1.128806	1	704977644.692287
1129522790	Capacitor	C4311,C6141 ,PC8834		1.128806	3	257514172.353070

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Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1129610080	Capacitor	C0510,C0512 ,C0801, C0901,C1203 ,C1204, C1401,C1417 ,C1424, C3407,C3409 ,C6170, C6303,C6502 ,C6714		1.128806	15	55479656.844874
1129622690	Capacitor	C1607,C3462 ,C4124, C4125,C4306 ,C4307, C4308,C4309 ,C4310, C4313,C4314 ,C6126, C6127,C6166 ,C6168, C6410,C6411 ,PC9203, PC9205,PC93 01, PC9302,PC93 03, PC9304,PC93 05, PC9306,PC93 07, PC9308,PC93 09, PC9310,PC93 11, PC9312,PC93 13, PC9314,PC93 15, PC9316		1.128806	35	24285352.591796
1129701791	Capacitor	C1802,C1803 ,C1804, C4312,C7213		1.128806	5	159367490.199266
1129710090	Capacitor	C1565,C1617 ,C1665, C4003,C4127		1.128806	5	159367490.199266
1129710391	Capacitor	C0604,C9568 ,PC8706, PC8716		1.128806	4	196873384.410843
1129722091	Capacitor	C2703,PC883 6		1.128806	2	375289731.076049
118961018A	Capacitor	C2704,C2705		4.744484	2	86049450.747498
11A2410240	Capacitor	C184,C845		1.128806	2	375289731.076049
11A4901090	Capacitor	C7919		1.128806	1	704977644.692287

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11C1501080	Capacitor	C197,C2719, PC8209, PC8212,PC88 01, PC8831		1.128806	6	133979725.056342
11E1510050	Capacitor	C3120,PC500 7, PC8100,PC82 00, PC8600,PC87 00, PC8702,PC87 03, PC8710,PC87 12, PC8713,PC88 00, PC8803,PC88 04, PC8814,PC88 18, PC8826,PC88 27, PC8828,PC88 29, PC8845,PC88 56, PC8857,PC88 58, PC9206,PC92 07, PC9208,PC92 10, PC9211,PC92 13, PC9215,PC92 17, PC9218		1.128806	33	25726061.200507
11E1510290	Capacitor	C7916,C7917 ,C7918		1.128806	3	257514172.353070
11E1522680	Capacitor	C6418,C6509		1.128806	2	375289731.076049
11E2433090	Capacitor	C0503,C0507 ,C3133, C3134,C3136 ,C3137, C3138,C3139 ,C3140, C3141,C3142 ,C3143, C3405,C3406 ,C3421, C3423		1.128806	16	52112480.802928
11E2501030	Capacitor	C867		1.128806	1	704977644.692287

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11E2501080	Capacitor	C2,PC5005,P C8811, PC8812,PC88 21, PC8825		1.128806	6	133979725.056342
11E2501690	Capacitor	C868		1.128806	1	704977644.692287
11E4947690	Capacitor	C2106		1.128806	1	704977644.692287
11E9501090	Capacitor	C0601,C0605 ,C0613, C1606,C1618 ,C1703, C2102,C2403 ,C2405, C2409,C2412 ,C3108, C3110,C6577 ,C6602, C6701,C6703 ,C6802, C7001,C7202		1.128806	20	41950408.034165
11E9501091	Capacitor	C1603,C1806 ,C1808, C182,C185,C 196, C2806,C3129 ,C3403, C3410,C3411 ,C3412, C6101,C6169 ,C6171		1.128806	15	55479656.844874



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Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
11E9510490	Capacitor	C0501,C0502 ,C0506, C0511,C0602 ,C0603, C0607,C0608 ,C0611, C0612,C0620 ,C0701, C0703,C0706 ,C0707, C0708,C0710 ,C0902, C1201,C1202 ,C1402, C1405,C1407 ,C1409, C1412,C1413 ,C1414, C1415,C1416 ,C1418, C1419,C1420 ,C1421, C1422,C1423 ,C1425, C1427,C1428 ,C1528, C1530,C1		1.128806	87	9916966.085517
11E9547680	Capacitor	C842		1.128806	1	704977644.692287
11E9610080	Capacitor	C843		1.128806	1	704977644.692287
11E9622050	Capacitor	PC8102,PC81 03, PC8202,PC82 03, PC8602,PC86 03		1.128806	6	133979725.056342
11E9647680	Capacitor	C1207,C7214		1.128806	2	375289731.076049
11E9647690	Capacitor	C0702,C0713 ,C0714, C0715,C0716 ,C1801, C2004,C2407 ,C4129, C4130,C6407 ,C6408, C6709,C9501		1.128806	14	59316298.011235
121110106R	Inductor	PL9202		4.944252	1	154760964.143460
121110226C	Inductor	PL8100	23.6	7.487352	3	37879682.185389
121110226C	Inductor	PL8200	23.6	7.487352	3	37879682.185389
121110226T	Inductor	PL8700,PL87 01, PL9201,PL92 03		4.944252	4	43912872.424775

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121110226C	Inductor	PL8600	23.6	7.487352	3	37879682.185389
1211104790	Inductor	L4301,L4302		4.944252	2	83201062.149749
1211106862	Inductor	PL8800		4.944252	1	154760964.143460
1211133071	Inductor	L4108		4.944252	1	154760964.143460
121230603T	Inductor	L4107,L6401 ,L6701, L6702,L6704 ,L6705, L6707		4.944252	7	25970990.056682
121230805A	Inductor	PJP8101,PJP 8105, PJP8201,PJP 8701, PJP8703,PJP 8901, PL3102,PL81 01, PL8201,PL86 01, PL8804,PL88 05		4.944252	12	15520616.516984
12123C0001	Inductor	FB6801,FB68 02, FB6803,L070 1,L1801, L1802,L2405 ,L3401, L3402,L4106 ,L4304, L4305,L6706		4.944252	13	14371345.712170
12123D0003	Inductor	L4306		4.944252	1	154760964.143460
1214309006	Inductor	L3101		4.944252	1	154760964.143460
12143E0006	Inductor	L6801,L6802 ,L6803, L6804		4.944252	4	43912872.424775
12313012A4	Miscellaneous	X0701		19.200000	1	23844262.770939
12313026A0	Miscellaneous	X4301		19.200000	1	23844262.770939
1231332726	Miscellaneous	PX9301		19.200000	1	23844262.770939
1233324055	Miscellaneous	OSC2		19.200000	1	23844262.770939
1300054040	Semiconductor	PD5002		7.793411	1	92807310.010983
1300414848	Semiconductor	D2405,D619 9,D70		7.793411	3	35106858.962001
13005SP540	Semiconductor	PD8803		7.793411	1	92807310.010983
1301005450	Semiconductor	D1701,D330 1,PD8800		7.793411	3	35106858.962001
1301052041	Semiconductor	D6809		7.793411	1	92807310.010983
1305L02E40	Optical Device	D6701,D670 2,D6899		79.003355	3	2725958.067754

**File Name:** RTC-700A1.2.rfp  
**Assembly:** 9697700A00-D  
**Ref Des:**  
**Description:**

**Failure Rate:** 7967.365068  
**MTBF (hrs):** 125,512  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1311390610	Semiconductor	PQ8814,PQ8815, PQ8819,PQ8820		22.463360	4	9270607.712006
1315200312	Semiconductor	PQ8800,PQ8801		22.463360	2	17315095.066101
1315230511	Semiconductor	Q134,Q2901, Q7900		22.463360	3	12043329.789539
1315230513	Semiconductor	Q1601,Q2001, Q2003, Q2005,Q2402, Q6104, Q6107,Q6108, Q6109, Q6777,Q6802, Q7202, Q9501		22.463360	13	3088344.241500
1315443512	Semiconductor	PQ8804		22.463360	1	31642600.748419
13156K1N10	Semiconductor	PQ8600,PQ8701, PQ8702,PQ8805, PQ8806,PQ8807, PQ8808,PQ8810, PQ8812,PQ8813, PQ8818,PQ8822, PQ8824,PQ8825, PQ8827,PQ8830, Q0601,Q0602, Q10, Q135,Q136, Q1602, Q1701,Q2002, Q2004, Q2401,Q2710, Q2910, Q3104,Q3111, Q6001, Q6102,Q6103, Q6105, Q6106,Q6110, Q6111, Q6113,		22.463360	54	782606.818666
1315703011	Semiconductor	PQ8802	23.9	41.583703	1	17093213.845737
1315970211	Semiconductor	U22		22.463360	1	31642600.748419
1315B55XP0	Semiconductor	Q133		22.463360	1	31642600.748419

**File Name:** RTC-700A1.2.rfp  
**Assembly:** 9697700A00-D  
**Ref Des:**  
**Description:**

**Failure Rate:** 7967.365068  
**MTBF (hrs):** 125,512  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
144GB86300	Integrated Circuit	U1	12.3	101.100239	1	5086163.329582
144WM89030	Integrated Circuit	U6401		43.803003	1	11739202.588727
1468132B30	Integrated Circuit	U1401	28.4	275.091417	1	1869241.631327
1469000008	Integrated Circuit	U1601		43.803003	1	11739202.588727
14S1010500	Integrated Circuit	U6501		43.803003	1	11739202.588727
14S1391C00	Integrated Circuit	PU8804,U6110,U6112		43.803003	3	4923240.069161
14S1823600	Integrated Circuit	U4302		43.803003	1	11739202.588727
14S2100800	Integrated Circuit	U0602		43.803003	1	11739202.588727
14S2474000	Integrated Circuit	PU8800		43.803003	1	11739202.588727
14S2913211	Integrated Circuit	U0605		43.803003	1	11739202.588727
14S3010700	Integrated Circuit	PU8201		43.803003	1	11739202.588727
14S3063700	Integrated Circuit	PU8100,PU8101,PU8200,PU8600,PU8701		43.803003	5	3214211.402100
14S30CZ601	Integrated Circuit	D3101		43.803003	1	11739202.588727
14S3104500	Integrated Circuit	U6801,U6802		43.803003	2	6834791.244197
14S3270000	Integrated Circuit	PU8801		43.803003	1	11739202.588727
14S3621C00	Integrated Circuit	PU9201	28.6	278.363247	1	1847270.911860
14S3902200	Integrated Circuit	PU8805		43.803003	1	11739202.588727
14S4025002	Integrated Circuit	U0510	32.2	78.641145	1	6538718.761732
14S4331500	Integrated Circuit	U2403		43.803003	1	11739202.588727
14S4475100	Integrated Circuit	U4301	14.4	115.866133	1	4437986.449835
14S4FM3400	Integrated Circuit	U6601		43.803003	1	11739202.588727
14S4S83B00	Integrated Circuit	U1801		43.803003	1	11739202.588727
14S5902000	Integrated Circuit	U6103		26.018600	1	25551442.237972
14S5904501	Integrated Circuit	U3003,U3004,U6102,U6104		26.018600	4	7696979.559193
14S5A00705	Integrated Circuit	U0601		26.018600	1	25551442.237972
14S5A30601	Integrated Circuit	U3006,U3401		26.018600	2	14194252.866846
14S5AG08G0	Integrated Circuit	U6101,U9504,U9505		26.018600	3	9949526.289768
1540500040	Resistor	RN0602,RN0603,RN0612,RN3114		9.971436	4	17049357.262242
1540533080	Resistor	RN1601,RN1602,RN1603,RN7004		9.971436	4	17049357.262242
1540700081	Resistor	RN2402,RN2403		9.971436	2	30043399.401299
1540710480	Resistor	RN3819,RN3820		9.971436	2	30043399.401299

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**Assembly:** 9697700A00-D  
**Ref Des:**  
**Description:**

**Failure Rate:** 7967.365068  
**MTBF (hrs):** 125,512  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1540747380	Resistor	RN7001		9.971436	1	51606907.671214
1601S01700	Connection	SW7202		16.184835	1	35685591.360212
1651508010	Connection	CON7204		16.184835	1	35685591.360212
1652503108	Connection	CN24		16.184835	1	35685591.360212
1652505211	Connection	PJ6701		16.184835	1	35685591.360212
1654226304	Connection	J2702		16.184835	1	35685591.360212
1654401930	Connection	CON6801		16.184835	1	35685591.360212
1654805302	Connection	CN17		16.184835	1	35685591.360212
1654900834	Connection	J3107		16.184835	1	35685591.360212
1654900835	Connection	SD7001		16.184835	1	35685591.360212
1654903600	Connection	CON22,J430 2		16.184835	2	20390152.380746
1654910201	Connection	CON3711		16.184835	1	35685591.360212
1654920200	Connection	J3402		16.184835	1	35685591.360212
1654924300	Connection	J3401		16.184835	1	35685591.360212
1655902121	Connection	SPK6501		16.184835	1	35685591.360212
1655902130	Connection	J3301		16.184835	1	35685591.360212
1655908123	Connection	U6015		16.184835	1	35685591.360212
1654930200		CN2		0.000000	1	0.000000
1654939300		CN1		0.000000	1	0.000000
1655904127		CON2		0.000000	1	0.000000
1750019910	Miscellaneous	BAT1		306.000000	1	1681683.006787
1752006033	Miscellaneous	FS1		2.400000	1	254626042.602335
1752302500	Miscellaneous	F6802		2.400000	1	254626042.602335
1756900005		U18,U1802,U 1803, U1804,U180 5,U1806, U1807,U20,U 25		0.000000	9	0.000000
1759305000		U0603		0.000000	1	0.000000
1759310000		U0604		0.000000	1	0.000000
1759330400		U7201		0.000000	1	0.000000
1759934200		CN22		0.000000	1	0.000000
1759942300		U6577		0.000000	1	0.000000
17599G5700		U4304		0.000000	1	0.000000
1907DHK006		PCB1		0.000000	1	0.000000
1907T22500		CN18		0.000000	1	0.000000