

HSB-525I

Reliability Prediction Report (MTBF)

Summary	Failure Rate:13.659414 ppm MTBF: 73210 Hours
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Issue date	Approval	Test Engineer
2011/09/09	Jansin Lee	Clement Chien

Reliability Prediction (MTBF)

I . Model Name: HSB-525I

II . Prediction Date: Sep. 09,2011

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

IV . Predicted by: Clement Chien

V . Equipment: Relex Ver.7.3 Visual Reliability Software

VI. Simulation Environment:

- Temperature: 22.5 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 multiplier is 1,000,000.
- MTBF : MTBF is always specified in hours.

VIII. Prediction Result:

HSB-525I-A0.2:

- Failure Rate: 13.659414 ppm
- MTBF: 73210 Hours

AAEON Reliability Prediction Report

Part Number System
Reference Des
Date 09. 9, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 22.50



Description Top-level assembly
File Name HSB-5251.RPJ
Time 9:23
Failure Rate 13.659414
MTBF 73,210

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
9697H52561-D	System	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled	100.00	1.00	13.66	73209.58

AAEON Reliability Prediction Report

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Description Top-level assembly
File Name HSB-525I.RPJ
Time 9:23
Failure Rate 13.659414
MTBF 73,210

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate,%	MTBF, Unit
1121501691	Capacitor	BC1,BC10,BC100, BC101,BC102,BC103, BC104,BC105,BC106, BC107,BC108,BC109, BC110,BC111,BC112, BC113,BC114,BC115, BC116,BC117,BC118, BC119,BC12,BC120, BC121,BC122,BC123, BC124,BC125,BC126, BC127,BC128,BC13, BC130,BC131,BC132, BC133,BC134,BC1	Telcordia Issue 1	Level I		204.00	0.004317	6.4470	231653238.34
11C2510190	Capacitor	C189,C190	Telcordia Issue 1	Level I		2.00	0.004317	.0632	231653238.34
165392521H	Connection	CFD1	Telcordia Issue 1	Level I		1.00	0.000997	.0073	1002523191.08
1654030003	Connection	CN3	Telcordia Issue 1	Level I		1.00	0.000997	.0073	1002523191.08
1653005202	Connection	COM1,COM2	Telcordia Issue 1	Level I		2.00	0.019950	.2921	50126159.55
1174518180	Capacitor	CP1,CP2,CP3,CP4	Telcordia Issue 1	Level I		4.00	0.005376	.1574	185999577.75
11E9501091	Capacitor	C1,C102,C103,C112, C118,C122,C123, C124,C131,C132, C133,C134,C136, C137,C138,C139, C141,C142,C143, C144,C146,C147, C148,C15,C150,C151, C154,C155,C16,C170, C173,C174,C53,C54, C55,C58,C59,C67, C69,C70,C71,C76, C86,C98	Telcordia Issue 1	Level I		44.00	0.004317	1.3905	231653238.34
1129701791	Capacitor	C10,C107,C11,C114, C116,C12,C13,C14, C167,C17,C181,C191, C192,C193,C194, C195,C196,C2,C24, C25,C26,C27,C31, C32,C33,C34,C44, C88	Telcordia Issue 1	Level I		28.00	0.004317	.8849	231653238.34
11E1522680	Capacitor	C135,C175,C179,C18, C19,C198,C20,C21, C22,C23,C5,C6,C96, C99	Telcordia Issue 1	Level I		14.00	0.004317	.4424	231653238.34
11E9647680	Capacitor	C127,C178,C38,C39, C46,C7	Telcordia Issue 1	Level I		6.00	0.004317	.1896	231653238.34
1122522890	Capacitor	C140,C152,C8	Telcordia Issue 1	Level I		3.00	0.004317	.0948	231653238.34

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11E2501080	Capacitor	C160,C161,C49,C85, C9	Telcordia Issue 1	Level I		5.00	0.004317	.1580	231653238.34
11C1547890	Capacitor	C157,C29,C60	Telcordia Issue 1	Level I		3.00	0.004317	.0948	231653238.34
1124515281	Capacitor	C30	Telcordia Issue 1	Level I		1.00	0.004317	.0316	231653238.34
1129710390	Capacitor	C100,C35,C40,C80, C91	Telcordia Issue 1	Level I		5.00	0.004317	.1580	231653238.34
1124522190	Capacitor	C171,C92	Telcordia Issue 1	Level I		2.00	0.004317	.0632	231653238.34
1124556280	Capacitor	C37	Telcordia Issue 1	Level I		1.00	0.004317	.0316	231653238.34
1189633162	Capacitor	C41,EC14,EC16,EC18, EC21,EC22,EC6	Telcordia Issue 1	Level I		7.00	0.004317	.2212	231653238.34
11C4512290	Capacitor	C43,C45	Telcordia Issue 1	Level I		2.00	0.004317	.0632	231653238.34
1124427091	Capacitor	C47,C48,C66,C72, C81,C82	Telcordia Issue 1	Level I		6.00	0.004317	.1896	231653238.34
1129710091	Capacitor	C119,C120,C121,C52, C56,C62	Telcordia Issue 1	Level I		6.00	0.004317	.1896	231653238.34
1129622050	Capacitor	C106,C110,C115, C128,C156,C158, C162,C163,C164, C165,C168,C169, C176,C177,C180, C197,C57,C61	Telcordia Issue 1	Level I		18.00	0.004317	.5689	231653238.34
1122710080	Capacitor	C63,C64	Telcordia Issue 1	Level I		2.00	0.004317	.0632	231653238.34
1124433090	Capacitor	C125,C126,C188,C65, C68	Telcordia Issue 1	Level I		5.00	0.004317	.1580	231653238.34
1129747091	Capacitor	C182,C183,C185, C186,C83	Telcordia Issue 1	Level I		5.00	0.004317	.1580	231653238.34
118961018A	Capacitor	C117,C84	Telcordia Issue 1	Level I		2.00	0.004317	.0632	231653238.34
11B2710060	Capacitor	C93,TC11,TC28,TC31, TC8	Telcordia Issue 1	Level I		5.00	0.004317	.1580	231653238.34
1124522290	Capacitor	C145,C97	Telcordia Issue 1	Level I		2.00	0.004317	.0632	231653238.34
1124547190	Capacitor	C101,C108,C111, C149,C166,C172	Telcordia Issue 1	Level I		6.00	0.004317	.1896	231653238.34
1124556290	Capacitor	C104	Telcordia Issue 1	Level I		1.00	0.004317	.0316	231653238.34
1124547290	Capacitor	C105	Telcordia Issue 1	Level I		1.00	0.004317	.0316	231653238.34
1129610051	Capacitor	C129,C153,TC1,TC10, TC13,TC14,TC15, TC16,TC17,TC18, TC19,TC2,TC20,TC21, TC22,TC23,TC24, TC25,TC26,TC27, TC29,TC3,TC30,TC32, TC4,TC5,TC6,TC7, TC9	Telcordia Issue 1	Level I		29.00	0.004317	.9165	231653238.34
1121647480	Capacitor	C130	Telcordia Issue 1	Level I		1.00	0.004317	.0316	231653238.34
11C4582190	Capacitor	C187	Telcordia Issue 1	Level I		1.00	0.004317	.0316	231653238.34
16515A099X	Connection	DIMM1	Telcordia Issue 1	Level I		1.00	0.000997	.0073	1002523191.08
16515A099Y	Connection	DIMM2	Telcordia Issue 1	Level I		1.00	0.000997	.0073	1002523191.08
1301400642	Semiconductor	D1,D10,D11,D12,D2, D23,D26,D27	Telcordia Issue 1	Level I		8.00	0.022212	1.3009	45021049.78

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Time 9:23
Failure Rate 13.659414
MTBF 73,210

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1300414843	Semiconductor	D3,D4,D5,D6,D7,D8	Telcordia Issue 1	Level I		6.00	0.022212	.9757	45021049.78
1305100541	Semiconductor	D13,D14,D15,D16, D17,D18,D19,D20, D21,D22	Telcordia Issue 1	Level I		10.00	0.074039	5.4204	13506314.93
1305099140	Semiconductor	D24,D25	Telcordia Issue 1	Level I		2.00	0.074039	1.0841	13506314.93
1141547060	Capacitor	EC19	Telcordia Issue 1	Level I		1.00	0.004317	.0316	231653238.34
1212306030	Inductor	FB1,FB15,FB16,FB2, FB3	Telcordia Issue 1	Level I		5.00	0.002158	.0790	463306476.67
121230603B	Inductor	FB4,FB5,FB7	Telcordia Issue 1	Level I		3.00	0.002158	.0474	463306476.67
12123C0010	Inductor	FB17,FB19,FB6,FB8, PB1	Telcordia Issue 1	Level I		5.00	0.002158	.0790	463306476.67
12123C0003	Inductor	FB10,FB9	Telcordia Issue 1	Level I		2.00	0.002158	.0316	463306476.67
1752001601	Miscellaneous	FS1,P1,P2,P3,P4	Telcordia Issue 1	Level I		5.00	0.003000	.1098	333333333.33
165322020I	Connection	IDE1	Telcordia Issue 1	Level I		1.00	0.000997	.0073	1002523191.08
1653213207	Connection	LPT1	Telcordia Issue 1	Level I		1.00	0.000997	.0073	1002523191.08
1211000180	Inductor	L1,L2,L3,L5	Telcordia Issue 1	Level I		4.00	0.082019	2.4018	12192275.70
121110476V	Inductor	L11,L6	Telcordia Issue 1	Level I		2.00	0.082019	1.2009	12192275.70
121110106D	Inductor	L10,L12,L7,L8,L9	Telcordia Issue 1	Level I		5.00	0.082019	3.0023	12192275.70
1214309006	Inductor	L13,L14,L15,L16, L17	Telcordia Issue 1	Level I		5.00	0.002158	.0790	463306476.67
121230603W	Inductor	L18	Telcordia Issue 1	Level I		1.00	0.002158	.0158	463306476.67
1211106872	Inductor	L19	Telcordia Issue 1	Level I		1.00	0.082019	.6005	12192275.70
1315050311	Semiconductor	Q1,Q14,Q15,Q16,Q17, Q28,Q31,Q38,Q52,Q8	Telcordia Issue 1	Level I		10.00	0.148079	10.8408	6753157.47
1315R30310	Semiconductor	Q18,Q2,Q53	Telcordia Issue 1	Level I		3.00	0.148079	3.2522	6753157.47
1315700211	Semiconductor	Q10,Q11,Q19,Q21, Q24,Q3,Q32,Q35,Q36, Q37,Q4,Q43,Q44,Q45, Q46,Q47,Q51,Q54, Q56,Q58,Q59,Q60, Q61,Q62,Q63,Q66, Q67,Q68,Q9	Telcordia Issue 1	Level I		29.00	0.074039	15.7191	13506314.93
1310390413	Semiconductor	Q12,Q13,Q20,Q22, Q25,Q26,Q27,Q29, Q33,Q39,Q41,Q49,Q5, Q6,Q65	Telcordia Issue 1	Level I		15.00	0.022212	2.4392	45021049.78
1315344311	Integrated Circuit	Q7	Telcordia Issue 1	Level I		1.00	0.049367	.3614	20256383.00
1315033510	Semiconductor	Q23	Telcordia Issue 1	Level I		1.00	0.074039	.5420	13506314.93
1311390612	Semiconductor	Q34,Q40	Telcordia Issue 1	Level I		2.00	0.022212	.3252	45021049.78
131411171C	Integrated Circuit	Q48	Telcordia Issue 1	Level I		1.00	0.049367	.3614	20256383.00
1315230511	Semiconductor	Q50	Telcordia Issue 1	Level I		1.00	0.074039	.5420	13506314.93
1540510380	Resistor	RN1,RN10,RN9	Telcordia Issue 1	Level I		3.00	0.006957	.1528	143731249.74

AAEON Reliability Prediction Report

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Temp. (°C) 22.50



Description Top-level assembly
File Name HSB-525I.RPJ
Time 9:23
Failure Rate 13.659414
MTBF 73,210

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate,%	MTBF, Unit
105A500239	Resistor	R279,R43,R537	Telcordia Issue 1	Level I		3.00	0.002158	.0474	463306476.67
105A702263	Resistor	R45,R49,R50,R55, R57,R579,R58,R587, R589,R593,R594,R60	Telcordia Issue 1	Level I		12.00	0.002158	.1896	463306476.67
105A515009	Resistor	R144,R147,R155, R196,R197,R198, R235,R271,R46,R91	Telcordia Issue 1	Level I		10.00	0.002158	.1580	463306476.67
105A503309	Resistor	R122,R123,R140, R158,R159,R160, R161,R162,R163, R164,R165,R166, R167,R168,R169, R170,R172,R173, R174,R176,R177, R203,R204,R205, R208,R209,R210, R211,R212,R213, R214,R215,R216, R217,R336,R391, R456,R457,R47,R	Telcordia Issue 1	Level I		41.00	0.002158	.6479	463306476.67
105A502039	Resistor	R104,R504,R585,R63, R69	Telcordia Issue 1	Level I		5.00	0.002158	.0790	463306476.67
105A702239	Resistor	R413,R71,R73	Telcordia Issue 1	Level I		3.00	0.002158	.0474	463306476.67
105A575009	Resistor	R378,R422,R527,R75, R78	Telcordia Issue 1	Level I		5.00	0.002158	.0790	463306476.67
1050525524	Resistor	R79,R81	Telcordia Issue 1	Level I		2.00	0.002158	.0316	463306476.67
1050510034	Resistor	R306,R327,R448, R520,R533,R580, R634,R635,R636, R637,R86	Telcordia Issue 1	Level I		11.00	0.002158	.1738	463306476.67
105A501529	Resistor	R88	Telcordia Issue 1	Level I		1.00	0.002158	.0158	463306476.67
105A524323	Resistor	R90	Telcordia Issue 1	Level I		1.00	0.002158	.0158	463306476.67
105A519629	Resistor	R96	Telcordia Issue 1	Level I		1.00	0.002158	.0158	463306476.67
1059722001	Resistor	R106	Telcordia Issue 1	Level I		1.00	0.002158	.0158	463306476.67
1050547004	Resistor	R108,R335,R342, R343,R548,R553, R560	Telcordia Issue 1	Level I		7.00	0.002158	.1106	463306476.67
105A700103	Resistor	R113,R225,R232, R293	Telcordia Issue 1	Level I		4.00	0.002158	.0632	463306476.67
105A704739	Resistor	R201	Telcordia Issue 1	Level I		1.00	0.002158	.0158	463306476.67
1050508224	Resistor	R189,R305,R324, R339,R367,R368, R433,R434,R443, R444,R455,R477, R482,R496,R550, R558,R559,R612, R620	Telcordia Issue 1	Level I		19.00	0.002158	.3002	463306476.67

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1050502204	Resistor	R145,R296,R297, R298,R299,R312, R470,R522,R523	Telcordia Issue 1	Level I		9.00	0.002158	.1422	463306476.67
1050580664	Resistor	R148,R151	Telcordia Issue 1	Level I		2.00	0.002158	.0316	463306476.67
105A701069	Resistor	R178	Telcordia Issue 1	Level I		1.00	0.012950	.0948	77217746.11
1050524904	Resistor	R180,R185,R505, R562	Telcordia Issue 1	Level I		4.00	0.002158	.0632	463306476.67
105A701009	Resistor	R181,R184,R190, R195,R224,R227, R300,R551	Telcordia Issue 1	Level I		8.00	0.002158	.1264	463306476.67
1050556269	Resistor	R191,R282	Telcordia Issue 1	Level I		2.00	0.002158	.0316	463306476.67
105A566503	Resistor	R193	Telcordia Issue 1	Level I		1.00	0.002158	.0158	463306476.67
105A701059	Resistor	R194,R492	Telcordia Issue 1	Level I		2.00	0.002158	.0316	463306476.67
105A522669	Resistor	R234	Telcordia Issue 1	Level I		1.00	0.002158	.0158	463306476.67
105A549969	Resistor	R240,R247,R525, R542,R554,R565	Telcordia Issue 1	Level I		6.00	0.002158	.0948	463306476.67
105A514014	Resistor	R245	Telcordia Issue 1	Level I		1.00	0.002158	.0158	463306476.67
1050520004	Resistor	R272,R507	Telcordia Issue 1	Level I		2.00	0.002158	.0316	463306476.67
105A505109	Resistor	R274,R275,R276, R277,R278,R281	Telcordia Issue 1	Level I		6.00	0.002158	.0948	463306476.67
105A530113	Resistor	R303	Telcordia Issue 1	Level I		1.00	0.002158	.0158	463306476.67
105A509133	Resistor	R308	Telcordia Issue 1	Level I		1.00	0.002158	.0158	463306476.67
1050533004	Resistor	R325,R611,R614, R617	Telcordia Issue 1	Level I		4.00	0.002158	.0632	463306476.67
1050505134	Resistor	R371,R372	Telcordia Issue 1	Level I		2.00	0.002158	.0316	463306476.67
105A702053	Resistor	R384	Telcordia Issue 1	Level I		1.00	0.012950	.0948	77217746.11
1050505633	Resistor	R414	Telcordia Issue 1	Level I		1.00	0.002158	.0158	463306476.67
1050501834	Resistor	R420,R426	Telcordia Issue 1	Level I		2.00	0.002158	.0316	463306476.67
105A524919	Resistor	R425,R578	Telcordia Issue 1	Level I		2.00	0.002158	.0316	463306476.67
105A545303	Resistor	R439	Telcordia Issue 1	Level I		1.00	0.002158	.0158	463306476.67
1050532414	Resistor	R440	Telcordia Issue 1	Level I		1.00	0.002158	.0158	463306476.67
1050533034	Resistor	R465,R479,R494	Telcordia Issue 1	Level I		3.00	0.002158	.0474	463306476.67
1050512104	Resistor	R506	Telcordia Issue 1	Level I		1.00	0.002158	.0158	463306476.67
105A523713	Resistor	R517	Telcordia Issue 1	Level I		1.00	0.002158	.0158	463306476.67
105A533213	Resistor	R541	Telcordia Issue 1	Level I		1.00	0.002158	.0158	463306476.67
105A512423	Resistor	R601	Telcordia Issue 1	Level I		1.00	0.002158	.0158	463306476.67
105A513723	Resistor	R602	Telcordia Issue 1	Level I		1.00	0.002158	.0158	463306476.67
105A506834	Resistor	R603	Telcordia Issue 1	Level I		1.00	0.002158	.0158	463306476.67
105A730009	Resistor	R625	Telcordia Issue 1	Level I		1.00	0.002158	.0158	463306476.67
165300420L	Connection	SPI1	Telcordia Issue 1	Level I		1.00	0.000997	.0073	1002523191.08

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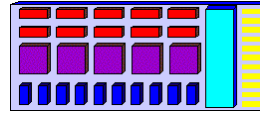


Description Top-level assembly
File Name HSB-525I.RPJ
Time 9:23
Failure Rate 13.659414
MTBF 73,210

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
14S2303700	Integrated Circuit	U1	Telcordia Issue 1	Level I		1.00	0.049367	.3614	20256383.00
14S2750100	Integrated Circuit	U2	Telcordia Issue 1	Level I		1.00	0.049367	.3614	20256383.00
14S4021301	Integrated Circuit	U3	Telcordia Issue 1	Level I		1.00	0.049367	.3614	20256383.00
14S5A23200	Integrated Circuit	U4	Telcordia Issue 1	Level I		1.00	0.062745	.4594	15937447.58
14S4287000	Integrated Circuit	U5	Telcordia Issue 1	Level I		1.00	0.022576	.1653	44294898.87
14S2533100	Integrated Circuit	U6	Telcordia Issue 1	Level I		1.00	0.049367	.3614	20256383.00
14S4239200	Integrated Circuit	U7	Telcordia Issue 1	Level I		1.00	0.022576	.1653	44294898.87
14S4811100	Integrated Circuit	U21,U8	Telcordia Issue 1	Level I		2.00	0.022576	.3306	44294898.87
14S5A00821	Integrated Circuit	U10,U24,U35	Telcordia Issue 1	Level I		3.00	0.022576	.4958	44294898.87
14S3524701	Integrated Circuit	U13	Telcordia Issue 1	Level I		1.00	0.049367	.3614	20256383.00
14S2200900	Integrated Circuit	U14	Telcordia Issue 1	Level I		1.00	0.049367	.3614	20256383.00
1314108412	Integrated Circuit	U15	Telcordia Issue 1	Level I		1.00	0.049367	.3614	20256383.00
14S3050100	Integrated Circuit	U16	Telcordia Issue 1	Level I		1.00	0.022576	.1653	44294898.87
14S4280121	Integrated Circuit	U17	Telcordia Issue 1	Level I		1.00	0.022576	.1653	44294898.87
14S4180010	Integrated Circuit	U18	Telcordia Issue 1	Level I	16.00	1.00	0.055942	.4095	17875779.67
14S4195710	Integrated Circuit	U19	Telcordia Issue 1	Level I		1.00	0.022576	.1653	44294898.87
14S5A00703	Integrated Circuit	U20,U36	Telcordia Issue 1	Level I		2.00	0.022576	.3306	44294898.87
14S3102000	Integrated Circuit	U22	Telcordia Issue 1	Level I		1.00	0.049367	.3614	20256383.00
14S4888801	Integrated Circuit	U23	Telcordia Issue 1	Level I		1.00	0.022576	.1653	44294898.87
1651900860	Connection	U25	Telcordia Issue 1	Level I		1.00	0.011970	.0876	83543599.26
14S5A12506	Integrated Circuit	U26	Telcordia Issue 1	Level I		1.00	0.022576	.1653	44294898.87
14S4048502	Integrated Circuit	U27,U28	Telcordia Issue 1	Level I		2.00	0.049367	.7228	20256383.00
14S5812502	Integrated Circuit	U29	Telcordia Issue 1	Level I		1.00	0.022576	.1653	44294898.87
14S5A01400	Integrated Circuit	U30	Telcordia Issue 1	Level I		1.00	0.049367	.3614	20256383.00
14S3128421	Integrated Circuit	U31	Telcordia Issue 1	Level I		1.00	0.049367	.3614	20256383.00
14S6334607	Integrated Circuit	U32,U37	Telcordia Issue 1	Level I		2.00	0.019079	.2793	52414367.40
14S5A00704	Integrated Circuit	U34	Telcordia Issue 1	Level I		1.00	0.022576	.1653	44294898.87
14S4631400	Integrated Circuit	U38	Telcordia Issue 1	Level I		1.00	0.049367	.3614	20256383.00
123132505D	Miscellaneous	Y1,Y4	Telcordia Issue 1	Level I		2.00	0.150000	2.1963	6666666.67
1231332721	Miscellaneous	Y2	Telcordia Issue 1	Level I		1.00	0.150000	1.0981	6666666.67
1231314350	Miscellaneous	Y3	Telcordia Issue 1	Level I		1.00	0.150000	1.0981	6666666.67
1129522790	Capacitor	BC30,C36,C42	Telcordia Issue 1	Level I		3.00	0.004317	.0948	231653238.34
1300001440	Semiconductor	D28,D30,D31	Telcordia Issue 1	Level I		3.00	0.022212	.4878	45021049.78
105A597604	Resistor	R534	Telcordia Issue 1	Level I		1.00	0.002158	.0158	463306476.67
1124701680	Capacitor	BC11,BC129,BC3	Telcordia Issue 1	Level I		3.00	0.004317	.0948	231653238.34
14S4362707	Integrated Circuit	U9	Telcordia Issue 1	Level I		1.00	0.022576	.1653	44294898.87

AAEON Reliability Prediction Report

Part Number System
Reference Des
Date 09. 9, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 22.50



Description Top-level assembly
File Name HSB-525I.RPJ
Time 9:23
Failure Rate 13.659414
MTBF 73,210

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
121230603C	Inductor	FB11,FB12,FB13, FB14	Telcordia Issue 1	Level I		4.00	0.002158	.0632	463306476.67
1189633181	Capacitor	EC1,EC10,EC11,EC20, EC23,EC24,EC26	Telcordia Issue 1	Level I		7.00	0.004317	.2212	231653238.34
14S4081102	Integrated Circuit	U39	Telcordia Issue 1	Level I		1.00	0.022576	.1653	44294898.87
14S5912300	Integrated Circuit	U40	Telcordia Issue 1	Level I		1.00	0.022576	.1653	44294898.87
105A507509	Resistor	R643,R644,R645	Telcordia Issue 1	Level I		3.00	0.002158	.0474	463306476.67
1050700002	Resistor	R627,R99	Telcordia Issue 1	Level I		2.00	0.002158	.0316	463306476.67
1189922180	Capacitor	EC5,EC9	Telcordia Issue 1	Level I		2.00	0.004317	.0632	231653238.34
105A504723	Resistor	R260	Telcordia Issue 1	Level I		1.00	0.002158	.0158	463306476.67
1654907002	Connection	SATA1,SATA2,SATA3	Telcordia Issue 1	Level I		3.00	0.000997	.0219	1002523191.08
175910000B	Miscellaneous	BUZZ1	Telcordia Issue 1	Level I		1.00	0.150000	1.0981	6666666.67
1653002100	Connection	CN1	Telcordia Issue 1	Level I		1.00	0.000997	.0073	1002523191.08
1653005205	Connection	CN2	Telcordia Issue 1	Level I		1.00	0.000997	.0073	1002523191.08
1654606100	Connection	CN4	Telcordia Issue 1	Level I		1.00	0.000997	.0073	1002523191.08
1655005021	Connection	CN5	Telcordia Issue 1	Level I		1.00	0.000997	.0073	1002523191.08
1655305020	Connection	CN6	Telcordia Issue 1	Level I		1.00	0.000997	.0073	1002523191.08
1655004014	Connection	CPUFAN1,SYSFAN1	Telcordia Issue 1	Level I		2.00	0.000997	.0146	1002523191.08
1119647191	Capacitor	EC2,EC3,EC4	Telcordia Issue 1	Level I		3.00	0.004317	.0948	231653238.34
1653004200	Connection	FP1,FP2	Telcordia Issue 1	Level I		2.00	0.000997	.0146	1002523191.08
1653003101	Connection	JP1,JP2,JP4,JP5	Telcordia Issue 1	Level I		4.00	0.019950	.5842	50126159.55
1653003201	Connection	JP3	Telcordia Issue 1	Level I		1.00	0.019950	.1461	50126159.55
1653300102	Connection	JP1(1-2)1,JP4(1-2), JP5(1-2)	Telcordia Issue 1	Level I		3.00	0.019950	.4382	50126159.55
1652510202	Connection	LAN1,LAN2	Telcordia Issue 1	Level I		2.00	0.019950	.2921	50126159.55
1655204022	Connection	PCIE 12V1	Telcordia Issue 1	Level I		1.00	0.024937	.1826	40100927.64
1653005201	Connection	USB1,USB2	Telcordia Issue 1	Level I		2.00	0.000997	.0146	1002523191.08
1654804100	Connection	USB3	Telcordia Issue 1	Level I		1.00	0.000997	.0073	1002523191.08
1654515308	Connection	VGA1	Telcordia Issue 1	Level I		1.00	0.019950	.1461	50126159.55
1653300100	Connection	XFP1(5-7)	Telcordia Issue 1	Level I		1.00	0.000997	.0073	1002523191.08
1189656193	Capacitor	EC12,EC13,EC15	Telcordia Issue 1	Level I		3.00	0.004317	.0948	231653238.34
1653300107	Connection	JP2(2-3),JP3(3-5), JP3(4-6)	Telcordia Issue 1	Level I		3.00	0.019950	.4382	50126159.55
1111610196	Capacitor	EC17,EC25	Telcordia Issue 1	Level I		2.00	0.005376	.0787	185999577.75
1161627100	Capacitor	EC7	Telcordia Issue 1	Level I		1.00	0.005376	.0394	185999577.75
1655902030	Connection	BT1	Telcordia Issue 1	Level I		1.00	0.011970	.0876	83543599.26
175011901C	Miscellaneous	BAT1	Telcordia Issue 1	Level I		1.00	0.900000	6.5889	1111111.11
14S6203204	Integrated Circuit	U25	Telcordia Issue 1	Level I		1.00	0.081082	.5936	12333241.73