

EPIC-BT07

Reliability Prediction Report (MTBF)

Summary	Failure Rate:8925.465319 ppm MTBF: 112,039 Hours
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Issue date	Approval	Test Engineer
2015/07/17	KJ Wang	Jack Huang

Reliability Prediction (MTBF)

I . Model Name: EPIC-BT07

II . Prediction Date: July. 17, 2015

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

IV . Predicted by: Jack Huang

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:

EPIC-BT07(9697BT0702-D):

- Failure Rate: 8925.465319 ppm
- MTBF: 112.039 Hours

**AAEON Reliability Prediction
Summary**

File Name: EPIC-BT07.rfp
Duty Cycle: 100
Calculation Model: Telcordia Issue 2
Method: Method I Case 3

Failure Rate: 8925.465319
MTBF (hrs): 112,039
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Assembly Name	Part Number	Ref Des	Quantity	Failure Rate	MTBF
EPIC-BT07	9697BT0702-D		1	8925.465319	112,039

File Name: EPIC-BT07.rfp
Assembly: 9697BT0702-D
Ref Des:
Description:

Failure Rate: 8925.465319
MTBF (hrs): 112,039
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1050501234	Resistor	R115,R138		2.547039	2	154078778.388085
1050501334	Resistor	R535		2.547039	1	282340674.079668
1050501634	Resistor	R46		2.547039	1	282340674.079668
1050502004	Resistor	R606,R88		2.547039	2	154078778.388085
1050502204	Resistor	R25,R26,R27, R28		2.547039	4	82309758.689546
1050502734	Resistor	R555		2.547039	1	282340674.079668
1050504724	Resistor	R148,R285,R 287, R288,R301,R 561, R562		2.547039	7	48991237.965885
1050505124	Resistor	R553		2.547039	1	282340674.079668
1050510002	Resistor	R588		2.547039	1	282340674.079668
1050510034	Resistor	R104,R129,R 20,R281, R289,R526,R 98		2.547039	7	48991237.965885
1050512104	Resistor	R595		2.547039	1	282340674.079668
1050512414	Resistor	R245,R629		2.547039	2	154078778.388085
1050514034	Resistor	R30,R40,R42 ,R48		2.547039	4	82309758.689546
1050516204	Resistor	R265		2.547039	1	282340674.079668
1050516964	Resistor	R596,R81		2.547039	2	154078778.388085
1050520034	Resistor	R416,R778,R 781		2.547039	3	107020754.986850
1050523264	Resistor	R259		2.547039	1	282340674.079668
1050527424	Resistor	R123,R172		2.547039	2	154078778.388085
1050529464	Resistor	R280		2.547039	1	282340674.079668
1050530124	Resistor	R174		2.547039	1	282340674.079668
1050536514	Resistor	R560		2.547039	1	282340674.079668
1050539224	Resistor	R537		2.547039	1	282340674.079668
1050540204	Resistor	R277,R303,R 304		2.547039	3	107020754.986850
1050540214	Resistor	R246		2.547039	1	282340674.079668
1050542204	Resistor	R12		2.547039	1	282340674.079668
1050545364	Resistor	R216,R614		2.547039	2	154078778.388085
1050547564	Resistor	R260		2.547039	1	282340674.079668
1050554904	Resistor	R33		2.547039	1	282340674.079668
1050573264	Resistor	R192,R77,R8 2,R89		2.547039	4	82309758.689546
1050700002	Resistor	R252,R282		2.547039	2	154078778.388085
1051520002	Resistor	R573		2.547039	1	282340674.079668
1054500589	Resistor	R111		2.547039	1	282340674.079668
1054700289	Resistor	R516		2.547039	1	282340674.079668
1059700001	Resistor	R161,R706,R 711		2.547039	3	107020754.986850
1059700101	Resistor	R550		2.547039	1	282340674.079668
1059710001	Resistor	R577		2.547039	1	282340674.079668

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Assembly: 9697BT0702-D
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Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1059710003	Resistor	R17		2.547039	1	282340674.079668
105A500103	Resistor	R512,R513		2.547039	2	154078778.388085
105A500139	Resistor	R124,R133,R14,R146,R147,R204,R228,R96		2.547039	8	43225424.698300
105A500173	Resistor	R208,R272,R309,R325,R338,R340,R701,R710		2.547039	8	43225424.698300
105A500239	Resistor	R198		2.547039	1	282340674.079668
105A501003	Resistor	R812,R822		2.547039	2	154078778.388085
105A501013	Resistor	R529		2.547039	1	282340674.079668
105A501033	Resistor	R557		2.547039	1	282340674.079668
105A501039	Resistor	R140,R145,R15,R542,R7,R92		2.547039	6	56573956.677649
105A501139	Resistor	R47		2.547039	1	282340674.079668
105A502039	Resistor	R141,R200,R528,R541,R549,R57		2.547039	6	56573956.677649
105A502403	Resistor	R1,R10		2.547039	2	154078778.388085
105A502723	Resistor	R61		2.547039	1	282340674.079668
105A503039	Resistor	R58		2.547039	1	282340674.079668
105A503309	Resistor	R570,R571		2.547039	2	154078778.388085
105A505109	Resistor	R169,R189,R190,R191,R194		2.547039	5	67008142.102588
105A507509	Resistor	R500,R501,R502		2.547039	3	107020754.986850
105A508223	Resistor	R523,R530		2.547039	2	154078778.388085
105A510009	Resistor	R117,R134,R201,R21,R460,R611		2.547039	6	56573956.677649
105A511513	Resistor	R558		2.547039	1	282340674.079668
105A515009	Resistor	R249,R328,R503,R504,R505,R684,R687,R700		2.547039	8	43225424.698300
105A515433	Resistor	R536		2.547039	1	282340674.079668
105A535703	Resistor	R681		2.547039	1	282340674.079668
105A536503	Resistor	R598		2.547039	1	282340674.079668
105A544229	Resistor	R144		2.547039	1	282340674.079668
105A548709	Resistor	R32		2.547039	1	282340674.079668
105A549919	Resistor	R803,R805		2.547039	2	154078778.388085

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Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
105A549969	Resistor	R237,R313,R320, R321,R322		2.547039	5	67008142.102588
105A561909	Resistor	R122,R97		2.547039	2	154078778.388085
105A590963	Resistor	R567		2.547039	1	282340674.079668
105A700003	Resistor	R110,R149,R152,R18, R203,R212,R240, R284,R31,R45,R506, R507,R521,R524, R525,R533,R554, R556,R685,R763, R765,R767,R769,R83, R90		2.547039	25	14603612.751152
105A700009	Resistor	R105,R106,R116, R119,R121,R126, R127,R128,R132, R139,R150,R153, R158,R162,R164, R165,R170,R171, R173,R184,R187, R195,R206,R209, R217,R224,R227, R229,R231,R244, R247,R250,R256, R258,R261,R264, R266,R268,R273, R275,R278,R283, R290,R291,R295, R296,R297,R299,		2.547039	145	2625491.110505

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105A700139	Resistor	R114,R178,R19,R22,R574,R653,R784		2.547039	7	48991237.965885
105A701039	Resistor	R108,R112,R120,R135,R137,R155,R157,R159,R163,R166,R176,R177,R179,R181,R182,R183,R186,R199,R202,R207,R211,R214,R220,R223,R226,R232,R234,R242,R248,R274,R286,R292,R294,R298,R302,R305,R307,R308,R310,R318,R327,R329,R330,R331,R332,R333,R334,R335,		2.547039	148	2573067.279473
105A701059	Resistor	R175,R271,R336,R486,R489,R491,R494,R575,R638,R648,R654		2.547039	11	32049696.385471
105A701069	Resistor	R205		2.547039	1	282340674.079668
105A702039	Resistor	R11,R13,R168		2.547039	3	107020754.986850

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105A702229	Resistor	R197,R311,R316, R433,R434,R59,R594, R603,R66,R703,R708, R719,R731,R732, R776,R777,R779, R780,R811,R814, R842,R849		2.547039	22	16518584.576317
105A703309	Resistor	R156,R255,R41,R469, R50,R51,R52,R579, R65,R657,R658,R659, R725,R726,R766, R771,R79,R84,R91, R95		2.547039	20	18104712.511396
105A703329	Resistor	R352,R356,R358, R360,R362,R363		2.547039	6	56573956.677649
105A704729	Resistor	R160,R167,R180, R319,R36,R37,R386, R39,R391,R446,R448, R462,R490,R495, R496,R497,R548, R565,R572,R580, R617,R637,R639, R647,R682,R705, R841		2.547039	27	13557741.157915
105A705139	Resistor	R429,R432,R461, R470,R714,R715, R717,R718,R722, R723,R737,R752		2.547039	12	29507083.749401

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105A708229	Resistor	R196,R23,R24,R29,R34,R43,R44,R464,R465,R488,R49,R56,R568,R586,R589,R62,R63,R67,R69,R72,R73,R76,R80,R87		2.547039	24	15190138.820515
105A710009	Resistor	R539		2.547039	1	282340674.079668
105A710039	Resistor	R107,R109,R113,R125,R142,R364,R365,R366,R367,R368,R369,R370,R420,R466,R467,R468,R479,R481,R482,R485,R493,R515,R527,R578,R590,R597,R599,R608,R625,R633,R683,R686,R742,R743,R744,R746,R747,R748,R749,R798,R99		2.547039	41	9043562.562696
105A715009	Resistor	R499		2.547039	1	282340674.079668
105A717433	Resistor	R532		2.547039	1	282340674.079668
105A718003	Resistor	R583		2.547039	1	282340674.079668
105A720009	Resistor	R193		2.547039	1	282340674.079668
105A733009	Resistor	R102,R2,R3,R498,R6,R813,R816,R818,R820		2.547039	9	38754445.632391
105A747009	Resistor	R251,R4		2.547039	2	154078778.388085
106BA01033	Resistor	RT1		2.547039	1	282340674.079668
1121501680	Capacitor	C233,C471,C626,C632		1.128806	4	196873384.410843

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Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1121501690	Capacitor	C485,C486		1.128806	2	375289731.076049
1121501691	Capacitor	C107,C109,C11,C111,C112,C113,C116,C118,C12,C120,C125,C126,C127,C128,C13,C130,C133,C136,C14,C140,C141,C147,C15,C151,C155,C157,C160,C161,C163,C165,C168,C173,C176,C179,C182,C19,C191,C193,C197,C202,C204,C207,C21,C211,C215,C218,C220,C224,C226,C23		1.128806	246	3544707.870975
1122522890	Capacitor	C403,C404,C407,C409		1.128806	4	196873384.410843
1124410190	Capacitor	C300,C305,C311,C315		1.128806	4	196873384.410843
1124410191	Capacitor	C380,C389,C398,C406,C418,C431		1.128806	6	133979725.056342
1124418090	Capacitor	C148,C149,C476,C483		1.128806	4	196873384.410843
1124427090	Capacitor	C596,C597,C608,C616		1.128806	4	196873384.410843
1124427091	Capacitor	C200,C201,C362,C364,C368		1.128806	5	159367490.199266
1124533191	Capacitor	C429,C51		1.128806	2	375289731.076049
1124547190	Capacitor	C383,C385,C387,C392		1.128806	4	196873384.410843
1129622690	Capacitor	C158,C186,C198,C245,C270,C276		1.128806	6	133979725.056342

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1129701791	Capacitor	C154,C166,C194, C265,C268,C272, C273,C297,C395, C548,C549,C550, C551,C78		1.128806	14	59316298.011235
1129710091	Capacitor	C293,C363,C365, C366,C452,C58		1.128806	6	133979725.056342
1129710391	Capacitor	C145,C352,C356, C530,C531,C537, C538		1.128806	7	115633865.771428
1181627197	Capacitor	C39,C40		4.744484	2	86049450.747498
1183610191	Capacitor	C18		4.744484	1	159663026.715137
1183668090	Capacitor	C17		4.744484	1	159663026.715137
1189615154	Capacitor	C430,C450,C482, C499,C654		4.744484	5	36944177.000623
1189622154	Capacitor	C470,C478,C495		4.744484	3	59399119.141203
1189622154	Capacitor	C496	37.1	8.877010	1	85334894.143283
1189633151	Capacitor	C515		4.744484	1	159663026.715137
118A6221B0	Capacitor	C373,C393		4.744484	2	86049450.747498
11C1501080	Capacitor	C222,C244,C250		1.128806	3	257514172.353070
118A6221B0	Capacitor	C378	39.3	9.173780	1	82574325.467123
11C1510390	Capacitor	C64		1.128806	1	704977644.692287
11C1539840	Capacitor	C308,C310		1.128806	2	375289731.076049
11C2510480	Capacitor	C101,C35,C36		1.128806	3	257514172.353070
11C2522480	Capacitor	C75		1.128806	1	704977644.692287
11C4501380	Capacitor	C479		1.128806	1	704977644.692287
11C4501650	Capacitor	C23,C371,C384,C421		1.128806	4	196873384.410843
11C4510380	Capacitor	C102		1.128806	1	704977644.692287
11C4522290	Capacitor	C108,C132,C152, C382,C396		1.128806	5	159367490.199266
11C4547190	Capacitor	C641,C642,C644, C650,C651,C653		1.128806	6	133979725.056342
11C9510490	Capacitor	C89		1.128806	1	704977644.692287
11C9582390	Capacitor	C61		1.128806	1	704977644.692287

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Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
11E1501080	Capacitor	C117,C74		1.128806	2	375289731.076049
11E1510050	Capacitor	C379,C381,C390, C400,C415,C434, C453,C454,C455, C456,C457,C662,C68, C69,C70,C71		1.128806	16	52112480.802928
11E1522020	Capacitor	C44,C45		1.128806	2	375289731.076049
11E1522680	Capacitor	C234,C472		1.128806	2	375289731.076049
11E1547090	Capacitor	C460		1.128806	1	704977644.692287
11E2501690	Capacitor	C162,C360,C394,C42, C425		1.128806	5	159367490.199266
11E2510010	Capacitor	C32,C324,C347,C46, C512,C660		1.128806	6	133979725.056342
11E3510010	Capacitor	C422,C487		1.128806	2	375289731.076049
11E4433090	Capacitor	C135,C357,C358, C663,C666		1.128806	5	159367490.199266
11E4510020	Capacitor	C370,C375,C424		1.128806	3	257514172.353070

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11E9501091	Capacitor	C1,C10,C110,C142,C150,C153,C164,C169,C171,C172,C174,C175,C177,C180,C183,C184,C185,C187,C188,C189,C190,C192,C195,C20,C203,C205,C206,C208,C210,C213,C214,C216,C219,C221,C237,C251,C253,C254,C255,C256,C257,C261,C275,C319,C350,C37,C43,C462,C463,C		1.128806	76	11331641.416751
11E9510050	Capacitor	C134,C170,C225,C27,C274,C359		1.128806	6	133979725.056342
11E9522790	Capacitor	C517,C661,C665,C667		1.128806	4	196873384.410843
11E9547060	Capacitor	C114,C115,C123,C131,C22,C376,C377,C440,C441,C484,C490,C56,C59		1.128806	13	63728475.410842
11E9547630	Capacitor	C167,C217		1.128806	2	375289731.076049
11E9547790	Capacitor	C181,C354		1.128806	2	375289731.076049

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11E9610080	Capacitor	C100,C103,C119,C124,C129,C2,C209,C227,C228,C229,C230,C24,C246,C248,C292,C3,C302,C320,C34,C372,C41,C411,C412,C417,C420,C428,C433,C438,C444,C447,C461,C474,C477,C488,C494,C5,C50,C500,C505,C506,C521,C523,C526,C529,C536,C539,C554,C555,C60,C62,C63		1.128806	57	15044000.029504
11E9622050	Capacitor	C104,C105,C106,C143,C278,C283,C284,C285		1.128806	8	101746760.035398
11E9622052	Capacitor	C402,C419,C437,C451,C527,C658		1.128806	6	133979725.056342
11E9622080	Capacitor	C90		1.128806	1	704977644.692287
11EA610030	Capacitor	C416,C565,C567,C580,C585,C586,C587,C593,C595,C622,C624		1.128806	11	74892583.279796
11EB501040	Capacitor	C349,C353,C436,C643,C652		1.128806	5	159367490.199266

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Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
11EB610050	Capacitor	C335,C346,C391,C4,C413,C432,C445		1.128806	7	115633865.771428
11EB622010	Capacitor	C121,C137,C138,C139,C92		1.128806	5	159367490.199266
121110106F	Inductor	L2		4.944252	1	154760964.143460
121110106G	Inductor	L3		4.944252	1	154760964.143460
121110220A	Inductor	L7		4.944252	1	154760964.143460
121110336X	Inductor	L9		4.944252	1	154760964.143460
1211103377	Inductor	L5,L6		4.944252	2	83201062.149749
1211106867	Inductor	L8		4.944252	1	154760964.143460
1211110078	Inductor	L1,L4		4.944252	2	83201062.149749
121113307B	Inductor	L10,L11		4.944252	2	83201062.149749
1212306030	Inductor	FB10,FB13,FB14,FB15,FB16,FB17,FB18,FB19,FB20,FB21,FB22,FB23,FB24,FB25,FB28,FB36		4.944252	16	11765215.454728
12123A0003	Inductor	FB33		4.944252	1	154760964.143460
12123D0001	Inductor	FB11,FB12,FB2,FB26,FB27,FB29,FB3,FB30,FB31,FB34,FB35,FB37,FB38,FB4,FB5,FB6,FB7,FB8,FB9		4.944252	19	9964387.381435
12123D0002	Inductor	FB1		4.944252	1	154760964.143460
12310024A0	Miscellaneous	Y5		19.200000	1	23844262.770939
12310025A3	Miscellaneous	Y6,Y7		19.200000	2	8854051.752197
123132505D	Miscellaneous	Y3		19.200000	1	23844262.770939
1231332726	Miscellaneous	Y1		19.200000	1	23844262.770939
12330024A1	Miscellaneous	Y2		19.200000	1	23844262.770939
1301005442	Semiconductor	D7		7.793411	1	92807310.010983
1301005444	Semiconductor	D2,D8		7.793411	2	50578095.223398
1301013040	Semiconductor	D3,D6		7.793411	2	50578095.223398
1301053040	Semiconductor	D12		7.793411	1	92807310.010983
1301400642	Semiconductor	D5		7.793411	1	92807310.010983
1301793040	Semiconductor	D10,D9		7.793411	2	50578095.223398
1304000043	Optical Device	LED1		79.003355	1	6497172.749112

File Name: EPIC-BT07.rfp
Assembly: 9697BT0702-D
Ref Des:
Description:

Failure Rate: 8925.465319
MTBF (hrs): 112,039
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1304101340	Optical Device	LED4		79.003355	1	6497172.749112
1304300140	Optical Device	LED2,LED5		79.003355	2	3783722.582110
1304500240	Optical Device	LED3		79.003355	1	6497172.749112
1305080040	Semiconductor	U27,U28,U29 ,U31, U32,U33,U50 ,U51, U52,U53,U54 ,U69		7.793411	12	9662455.000384
1310390413	Semiconductor	Q44		22.463360	1	31642600.748419
1311390612	Semiconductor	Q12,Q13		22.463360	2	17315095.066101
1315015530	Semiconductor	Q15,Q16,Q1 7		22.463360	3	12043329.789539
1315036640	Semiconductor	Q10,Q9		22.463360	2	17315095.066101
1315076980	Semiconductor	Q41		22.463360	1	31642600.748419
1315083270	Semiconductor	Q31,Q33,Q3 4, Q36		22.463360	4	9270607.712006
1315200312	Semiconductor	Q8		22.463360	1	31642600.748419
1315083270	Semiconductor	Q32		22.463360	1	31642600.748419
1315230511	Semiconductor	Q24,Q25,Q4 3		22.463360	3	12043329.789539
1315443512	Semiconductor	Q39,Q40		22.463360	2	17315095.066101
1315444710	Semiconductor	Q42		22.463360	1	31642600.748419
1315700216	Semiconductor	Q2,Q29,Q30, Q37,Q46, Q47,Q49,Q6, Q67,Q68, Q69		22.463360	11	3618924.681337
1315720010	Semiconductor	Q3,Q4		22.463360	2	17315095.066101
1315EM6K10	Semiconductor	Q1,Q11,Q14, Q18,Q19, Q20,Q21,Q2 2,Q23, Q26,Q27,Q2 8,Q50, Q51,Q52,Q5 3,Q54, Q55,Q56,Q5 7,Q58, Q59,Q60,Q6 1,Q62, Q63,Q64,Q6 5,Q66,Q7		22.463360	30	1384716.259115
1410023060	Integrated Circuit	U1		43.803003	1	11739202.588727
1430014840	Integrated Circuit	U6		43.803003	1	11739202.588727
1430021850	Integrated Circuit	U4		43.803003	1	11739202.588727
1430959600	Integrated Circuit	U2		43.803003	1	11739202.588727
143ALC8920	Integrated Circuit	U3		43.803003	1	11739202.588727
1440002130	Integrated Circuit	U15,U16,U60 ,U61		43.803003	4	3879156.910661

File Name: EPIC-BT07.rfp
Assembly: 9697BT0702-D
Ref Des:
Description:

Failure Rate: 8925.465319
MTBF (hrs): 112,039
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Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1440211AT0	Integrated Circuit	U18,U19		43.803003	2	6834791.244197
1440J19000	Integrated Circuit	U45	25.6	61.657819	1	8339774.824770
1489GBT051	Integrated Circuit	U12		43.803003	1	11739202.588727
149TB01040	Integrated Circuit	U38,U39,U59		43.803003	3	4923240.069161
14S1035803	Integrated Circuit	U35		43.803003	1	11739202.588727
14S2200900	Integrated Circuit	U70		43.803003	1	11739202.588727
14S3104500	Integrated Circuit	U22,U23,U24, U25, U26,U44,U5, U9		43.803003	8	2144463.783749
14S3112300	Integrated Circuit	U30		43.803003	1	11739202.588727
14S3128422	Integrated Circuit	U40		43.803003	1	11739202.588727
14S3524700	Integrated Circuit	U68		43.803003	1	11739202.588727
14S3524701	Integrated Circuit	U67		43.803003	1	11739202.588727
14S3902500	Integrated Circuit	U7		43.803003	1	11739202.588727
14S4186600	Integrated Circuit	U41		43.803003	1	11739202.588727
14S4251701	Integrated Circuit	U37	29.9	300.495554	1	1711214.434832
14S4600004	Integrated Circuit	U48		43.803003	1	11739202.588727
14S4814380	Integrated Circuit	U17,U62		43.803003	2	6834791.244197
14S4889200	Integrated Circuit	U34		43.803003	1	11739202.588727
14S4963502	Integrated Circuit	U11		43.803003	1	11739202.588727
14S5A00821	Integrated Circuit	U21,U36,U42, U43		26.018600	4	7696979.559193
14S5A30601	Integrated Circuit	U20,U57,U58		26.018600	3	9949526.289768
14S5A73200	Integrated Circuit	U10		26.018600	1	25551442.237972
14S6206403	Integrated Circuit	U14		11.063278	1	58231413.220643
14S9346000	Integrated Circuit	U63		43.803003	1	11739202.588727
1540733085	Resistor	RP2		9.971436	1	51606907.671214
1540747285	Resistor	RP1		9.971436	1	51606907.671214
16515A2994	Connection	DIMM1		16.184835	1	35685591.360212
165251420B	Connection	CN44,CN45		16.184835	2	20390152.380746
1652602105	Connection	CN8		16.184835	1	35685591.360212
165300310G	Connection	CN17,CN18,C N28,CN3, CN4,CN40,C N41,CN42, CN43,CN5		16.184835	10	5037852.012953
165300320K	Connection	CN34,CN36		16.184835	2	20390152.380746
1653130420	Connection	CN9		16.184835	1	35685591.360212
165321320N	Connection	CN12		16.184835	1	35685591.360212
1653300107	Connection	CN17(2-3), CN34(3-4), CN36(3- 4),CN4(2-3), CN40(2-3), CN41(2-3), CN43(2-3)		16.184835	7	6941176.714407
1653300108	Connection	CN5(1-2)		16.184835	1	35685591.360212

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Assembly: 9697BT0702-D
Ref Des:
Description:

Failure Rate: 8925.465319
MTBF (hrs): 112,039
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Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
165330010E	Connection	CN18(1-2), CN28(1-2), CN3(2-3), CN42(1-2)		16.184835	4	11344857.509064
1654030006	Connection	CN24,CN35		16.184835	2	20390152.380746
1654226303	Connection	CN26,CN27		16.184835	2	20390152.380746
1654415305	Connection	CN51		16.184835	1	35685591.360212
1654418103	Connection	CN49		16.184835	1	35685591.360212
1654801330	Connection	CN47		16.184835	1	35685591.360212
1654900703	Connection	CN25		16.184835	1	35685591.360212
1654901035	Connection	CN20		16.184835	1	35685591.360212
1654903901	Connection	CN22		16.184835	1	35685591.360212
1654920309	Connection	CN48		16.184835	1	35685591.360212
1655004018	Connection	CN11		16.184835	1	35685591.360212
1655302025	Connection	CN23		16.184835	1	35685591.360212
1655305025	Connection	CN19,CN46		16.184835	2	20390152.380746
1655806020	Connection	CN30		16.184835	1	35685591.360212
1655807030	Connection	CN33		16.184835	1	35685591.360212
1655902034	Connection	CN1,CN2,CN 7		16.184835	3	14515880.849373
1655905038	Connection	CN13,CN14,C N15, CN16		16.184835	4	11344857.509064
1655909034	Connection	CN31,CN32,C N37, CN38		16.184835	4	11344857.509064
1655909035	Connection	CN29		16.184835	1	35685591.360212
1655910032	Connection	CN10,CN39		16.184835	2	20390152.380746
1655912032	Connection	CN21		16.184835	1	35685591.360212
175011901M	Connection	CN2		16.184835	1	35685591.360212
1752000501	Miscellaneous	FS3,FS5		2.400000	2	143944727.196625
1752001603	Miscellaneous	FS1,FS10,FS 11,FS13, FS4,FS8		2.400000	6	55326690.213143
1752002400	Miscellaneous	FS2,FS9		2.400000	2	143944727.196625
1752002500	Miscellaneous	FS6,FS7		2.400000	2	143944727.196625
1752002700	Miscellaneous	FS12		2.400000	1	254626042.602335
175910000B	Miscellaneous	BZ1		306.000000	1	1681683.006787