

FSB-B75G

Reliability Prediction Report (MTBF)

Summary	Failure Rate: 15.227271 ppm MTBF:65,672 Hours
---------	--

Issue date	Approval	Test Engineer
2013/02/18	Tom Lin	Jack Huang

Reliability Prediction (MTBF)

I . Model Name: FSB-B75G

II . Prediction Date: Jan. 18, 2013

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

IV . Predicted by: Jack Huang

V . Equipment: Relex Ver.7.3 Visual Reliability Software

VI. Simulation Environment:

- Temperature: 25 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:

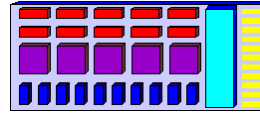
FSB-B75G (9697B75G02-D):

- Failure Rate: 15.227271 ppm

- MTBF: 65,672 Hours

AAEON Reliability Prediction Report

Part Number 9697B75G02-D
Reference Des
Date 02. 8, 2013
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00

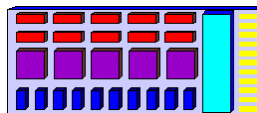


Description Top-level assembly
File Name FSB-B75G.RPJ
Time 11:08
Failure Rate 15.227271
MTBF 65,672

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
FSB-B75G	9697B75G02-D	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled	100.00	1.00	15.23	65671.65

AAEON Reliability Prediction Report

Part Number 9697B75G02-D
Reference Des
Date 02. 8, 2013
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00

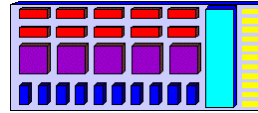


Description Top-level assembly
File Name FSB-B75G.RPJ
Time 11:08
Failure Rate 15.227271
MTBF 65,672

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1121501691	Capacitor	BC1,BC10,BC100, BC102,BC103,BC104, BC105,BC106,BC107, BC108,BC109,BC11, BC110,BC111,BC112, BC113,BC114,BC115, BC116,BC117,BC118, BC119,BC12,BC120, BC121,BC122,BC123, BC124,BC125,BC126, BC127,BC128,BC129, BC13,BC130,BC131, BC132,BC135,BC1	Telcordia Issue 1	Level I		215.00	0.004535	6.4037	220487045.01
165300420L	Connection	CN1	Telcordia Issue 1	Level I		1.00	0.004552	.0299	219695067.68
1653212100	Connection	CN4	Telcordia Issue 1	Level I		1.00	0.006828	.0448	146463378.45
1653924110	Connection	CN5	Telcordia Issue 1	Level I		1.00	0.001138	.0075	878780270.71
1174518180	Capacitor	CP1,CP2,CP3,CP4, CP5,CP6,CP7,CP8, CP9	Telcordia Issue 1	Level I		9.00	0.005466	.3230	182961702.19
11E9501091	Capacitor	C1,C100,C101,C108, C11,C128,C13,C152, C153,C154,C155, C161,C162,C169, C171,C185,C189,C19, C190,C196,C2,C20, C200,C201,C205, C206,C208,C21,C210, C216,C218,C225,C3, C35,C36,C42,C44, C47,C54,C55,C64, C68,C72,C91	Telcordia Issue 1	Level I		44.00	0.004535	1.3105	220487045.01
11E9647680	Capacitor	C111,C12,C129,C14, C191,C209,C215, C235,C237,C4,C89, C90,C99,TC13	Telcordia Issue 1	Level I		14.00	0.004535	.4170	220487045.01
11E1522680	Capacitor	C124,C219,C5,C6,C7, C8	Telcordia Issue 1	Level I		6.00	0.004535	.1787	220487045.01
1129701791	Capacitor	C140,C15,C159,C16, C165,C17,C18,C192, C224,C234,C239,C28, C29,C30,C31,C37, C38,C39,C40,C45, C48,C49,C50,C51, C52,C57,C75,C76, C77,C78,C82,C95, C96	Telcordia Issue 1	Level I		33.00	0.004535	.9829	220487045.01
11C4401880	Capacitor	C130,C178,C203, C217,C23,C66	Telcordia Issue 1	Level I		6.00	0.004535	.1787	220487045.01

AAEON Reliability Prediction Report

Part Number 9697B75G02-D
Reference Des
Date 02. 8, 2013
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00

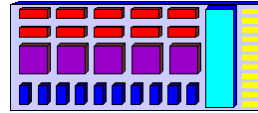


Description Top-level assembly
File Name FSB-B75G.RPJ
Time 11:08
Failure Rate 15.227271
MTBF 65,672

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
11E2501080	Capacitor	C126,C127,C181, C182,C226,C227,C24, C62,C63	Telcordia Issue 1	Level I		9.00	0.004535	.2681	220487045.01
1124410191	Capacitor	C157,C168,C26	Telcordia Issue 1	Level I		3.00	0.004535	.0894	220487045.01
1122522890	Capacitor	C222,C27,C33	Telcordia Issue 1	Level I		3.00	0.004535	.0894	220487045.01
1129747091	Capacitor	C194,C32	Telcordia Issue 1	Level I		2.00	0.004535	.0596	220487045.01
1124418190	Capacitor	C34	Telcordia Issue 1	Level I		1.00	0.004535	.0298	220487045.01
11E9622050	Capacitor	C112,C113,C114, C115,C117,C118, C119,C120,C131, C132,C133,C134, C135,C136,C137, C138,C139,C141, C142,C143,C144, C145,C146,C147, C148,C149,C150, C170,C174,C179, C212,C46,C53,C93, C94	Telcordia Issue 1	Level I		35.00	0.004535	1.0425	220487045.01
1129722091	Capacitor	C65,C73,C83	Telcordia Issue 1	Level I		3.00	0.004535	.0894	220487045.01
1129710091	Capacitor	C172,C211,C214, C223,C230,C67,C74, C79,C85,C86,C92	Telcordia Issue 1	Level I		11.00	0.004535	.3276	220487045.01
11A4410280	Capacitor	C69	Telcordia Issue 1	Level I		1.00	0.004535	.0298	220487045.01
1124418090	Capacitor	C80,C84	Telcordia Issue 1	Level I		2.00	0.004535	.0596	220487045.01
11E1647650	Capacitor	C104,C122,C123, C151,C240,C81	Telcordia Issue 1	Level I		6.00	0.004535	.1787	220487045.01
1124433190	Capacitor	C187,C87	Telcordia Issue 1	Level I		2.00	0.004535	.0596	220487045.01
1124427091	Capacitor	C109,C110,C198, C202,C220,C221	Telcordia Issue 1	Level I		6.00	0.004535	.1787	220487045.01
1124522290	Capacitor	C125,C163,C173	Telcordia Issue 1	Level I		3.00	0.004535	.0894	220487045.01
11C4582190	Capacitor	C158,C184	Telcordia Issue 1	Level I		2.00	0.004535	.0596	220487045.01
1124556280	Capacitor	C160	Telcordia Issue 1	Level I		1.00	0.004535	.0298	220487045.01
11C1533890	Capacitor	C164,C175	Telcordia Issue 1	Level I		2.00	0.004535	.0596	220487045.01
11C1547890	Capacitor	C177,C204	Telcordia Issue 1	Level I		2.00	0.004535	.0596	220487045.01
11C4512290	Capacitor	C183	Telcordia Issue 1	Level I		1.00	0.004535	.0298	220487045.01
1124468090	Capacitor	C186	Telcordia Issue 1	Level I		1.00	0.004535	.0298	220487045.01
1124533280	Capacitor	C188	Telcordia Issue 1	Level I		1.00	0.004535	.0298	220487045.01
11C2522780	Capacitor	C207	Telcordia Issue 1			1.00	0.001512	.0099	661461135.04
1124433090	Capacitor	C228	Telcordia Issue 1	Level I		1.00	0.004535	.0298	220487045.01
1129715090	Capacitor	C233	Telcordia Issue 1	Level I		1.00	0.004535	.0298	220487045.01

AAEON Reliability Prediction Report

Part Number 9697B75G02-D
Reference Des
Date 02. 8, 2013
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00

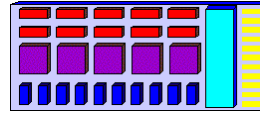


Description Top-level assembly
File Name FSB-B75G.RPJ
Time 11:08
Failure Rate 15.227271
MTBF 65,672

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1305100541	Semiconductor	D1,D2,D26,D27,D28, D29,D3,D30,D31,D32, D33,D39,D4,D40,D41, D42,D43,D44,D45, D46	Telcordia Issue 1	Level I		20.00	0.023881	3.1366	41874327.58
07G001001131	Semiconductor	D48,D49,D5,D55,D63, D64,D65,D66	Telcordia Issue 1	Level I		8.00	0.023881	1.2546	41874327.58
1300581940	Semiconductor	D38,D47,D53,D59	Telcordia Issue 1	Level I		4.00	0.079603	2.0911	12562298.27
13090099W0	Semiconductor	D50,D51,D52,D54, D58	Telcordia Issue 1	Level I		5.00	0.023881	.7842	41874327.58
1301053040	Semiconductor	D61,D62	Telcordia Issue 1	Level I		2.00	0.023881	.3137	41874327.58
1189612191	Capacitor	EC46	Telcordia Issue 1	Level I		1.00	0.004535	.0298	220487045.01
12123C000A	Inductor	FB1,FB12,FB15,FB2, FB5	Telcordia Issue 1	Level I		5.00	0.002268	.0745	440974090.03
12123C0010	Inductor	FB3,FB4	Telcordia Issue 1	Level I		2.00	0.002268	.0298	440974090.03
12123C000C	Inductor	FB10,FB11,FB16,FB6, FB7,FB8,FB9	Telcordia Issue 1	Level I		7.00	0.002268	.1042	440974090.03
121230805B	Inductor	FB13	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
1752002700	Miscellaneous	F1,F2,F3,F4	Telcordia Issue 1	Level I		4.00	0.003000	.0788	333333333.33
121110100F	Inductor	LI22,LI23,LI24	Telcordia Issue 1	Level I		3.00	0.086173	1.6977	11604581.32
1211101069	Inductor	L2,L3	Telcordia Issue 1	Level I		2.00	0.002268	.0298	440974090.03
121110476P	Inductor	L10,L5	Telcordia Issue 1	Level I		2.00	0.002268	.0298	440974090.03
1211103671	Inductor	L11,L6,L9	Telcordia Issue 1	Level I		3.00	0.086173	1.6977	11604581.32
121110106T	Inductor	L7	Telcordia Issue 1	Level I		1.00	0.086173	.5659	11604581.32
1211000180	Inductor	L8	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
07G003000213	Semiconductor	Q1,Q2,Q21,Q22,Q25, Q38,Q43,Q5,Q55,Q58, Q61,Q62,Q67,Q68, Q73,Q74	Telcordia Issue 1	Level I		16.00	0.023881	2.5093	41874327.58
1301005450	Semiconductor	Q10,Q13,Q3,Q42,Q64	Telcordia Issue 1	Level I		5.00	0.023881	.7842	41874327.58
1311390610	Semiconductor	Q4	Telcordia Issue 1	Level I		1.00	0.023881	.1568	41874327.58
07G005000B20	Semiconductor	Q14,Q17,Q18,Q23, Q26,Q29,Q30,Q32, Q35,Q36,Q37,Q39, Q56,Q6,Q65,Q66,Q69, Q75,Q77,Q8,Q9	Telcordia Issue 1	Level I		21.00	0.159207	21.9562	6281149.14
1310222211	Semiconductor	Q7	Telcordia Issue 1	Level I		1.00	0.023881	.1568	41874327.58
1315503010	Semiconductor	Q11,Q12,Q27,Q28, Q45,Q46,Q52,Q54, Q59,Q60,Q71,Q72	Telcordia Issue 1	Level I		12.00	0.000000	.0000	.00
1315703011	Semiconductor	Q15,Q16,Q31,Q33, Q34,Q50,Q51,Q53, Q57,Q63,Q70,Q76	Telcordia Issue 1	Level I		12.00	0.159207	12.5464	6281149.14
1540710280	Resistor	RN1,RP1,RP2	Telcordia Issue 1	Level I		3.00	0.006246	.1231	160102772.00
1540722080	Resistor	RN6,RN7,RN8	Telcordia Issue 1	Level I		3.00	0.006246	.1231	160102772.00

AAEON Reliability Prediction Report

Part Number 9697B75G02-D
Reference Des
Date 02. 8, 2013
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00

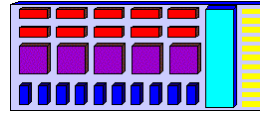


Description Top-level assembly
File Name FSB-B75G.RPJ
Time 11:08
Failure Rate 15.227271
MTBF 65,672

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1050504724	Resistor	R157,R16,R160,R169, R200,R247,R343, R348,R415,R431, R464,R465,R467, R514,R532,R539, R640,R645,R667, R672,R674,R692, R693,R696,R697, R699,R700,R703,R78, R80,R81	Telcordia Issue 1	Level I		31.00	0.002268	.4617	440974090.03
105A501039	Resistor	R103,R118,R120, R121,R122,R132, R133,R134,R135, R136,R137,R139, R141,R142,R143, R146,R148,R149, R150,R151,R165, R170,R171,R173, R174,R175,R176, R177,R178,R179, R180,R181,R182, R202,R203,R204, R208,R209,R21,R	Telcordia Issue 1	Level I		120.00	0.002268	1.7871	440974090.03
1050502204	Resistor	R218,R23,R485,R505, R513,R556,R557, R560,R572,R576, R607,R614,R635, R658	Telcordia Issue 1	Level I		14.00	0.002268	.2085	440974090.03
105A501539	Resistor	R108,R237,R239, R308,R542,R73	Telcordia Issue 1	Level I		6.00	0.002268	.0894	440974090.03
1050508224	Resistor	R144,R220,R248, R424,R435,R454, R515,R558,R587, R611,R621,R630, R633,R639,R656, R657,R673,R678, R679,R680,R681, R682,R683,R684, R685,R686,R687, R688,R689,R690, R691,R705,R706, R716,R75,R96,R98	Telcordia Issue 1	Level I		37.00	0.002268	.5510	440974090.03
105A702269	Resistor	R113,R205,R212, R333,R458,R533, R545,R561,R622,R79, R87	Telcordia Issue 1	Level I		11.00	0.002268	.1638	440974090.03

AAEON Reliability Prediction Report

Part Number 9697B75G02-D
Reference Des
Date 02. 8, 2013
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00

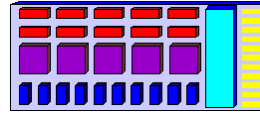


Description Top-level assembly
File Name FSB-B75G.RPJ
Time 11:08
Failure Rate 15.227271
MTBF 65,672

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A506823	Resistor	R85	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
1050703334	Resistor	R86,R93	Telcordia Issue 1	Level I		2.00	0.002268	.0298	440974090.03
1050539004	Resistor	R94	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
1050502734	Resistor	R429,R643,R644,R99	Telcordia Issue 1	Level I		4.00	0.002268	.0596	440974090.03
1050501234	Resistor	R102	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
105A702263	Resistor	R104,R268,R398, R581,R720	Telcordia Issue 1	Level I		5.00	0.002268	.0745	440974090.03
1050502224	Resistor	R110,R285,R300, R345,R439,R481, R521,R522,R565, R566	Telcordia Issue 1	Level I		10.00	0.002268	.1489	440974090.03
1050522004	Resistor	R112	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
105A501129	Resistor	R115,R117	Telcordia Issue 1	Level I		2.00	0.002268	.0298	440974090.03
105A575009	Resistor	R128,R196,R479	Telcordia Issue 1	Level I		3.00	0.002268	.0447	440974090.03
105A500239	Resistor	R145,R187	Telcordia Issue 1	Level I		2.00	0.002268	.0298	440974090.03
105A703329	Resistor	R147	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
105A537463	Resistor	R153	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
105A502039	Resistor	R154,R183,R252, R416,R453	Telcordia Issue 1	Level I		5.00	0.002268	.0745	440974090.03
105A549969	Resistor	R158,R201	Telcordia Issue 1	Level I		2.00	0.002268	.0298	440974090.03
1050504734	Resistor	R163	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
1050503924	Resistor	R184	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
105A515009	Resistor	R186,R217,R236, R249,R524,R525, R526,R605,R613	Telcordia Issue 1	Level I		9.00	0.002268	.1340	440974090.03
1059702261	Resistor	R193,R322,R459, R636	Telcordia Issue 1	Level I		4.00	0.002268	.0596	440974090.03
105A503309	Resistor	R197,R280,R330, R341,R350,R357, R368,R450,R477, R484	Telcordia Issue 1	Level I		10.00	0.002268	.1489	440974090.03
105A702729	Resistor	R211,R241	Telcordia Issue 1	Level I		2.00	0.002268	.0298	440974090.03
105A700003	Resistor	R232,R281,R307, R346,R534,R573, R592,R610,R631, R662	Telcordia Issue 1	Level I		10.00	0.002268	.1489	440974090.03
1050504760	Resistor	R233	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
105A701059	Resistor	R246,R509,R528	Telcordia Issue 1	Level I		3.00	0.002268	.0447	440974090.03
1050701504	Resistor	R253,R263,R293, R301	Telcordia Issue 1	Level I		4.00	0.002268	.0596	440974090.03
1050501004	Resistor	R260,R319,R326, R336,R338,R387, R483,R523,R670	Telcordia Issue 1	Level I		9.00	0.002268	.1340	440974090.03
105A501033	Resistor	R267,R397,R472, R579,R721	Telcordia Issue 1	Level I		5.00	0.002268	.0745	440974090.03
105A739039	Resistor	R277,R284	Telcordia Issue 1	Level I		2.00	0.002268	.0298	440974090.03

AAEON Reliability Prediction Report

Part Number 9697B75G02-D
Reference Des
Date 02. 8, 2013
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00

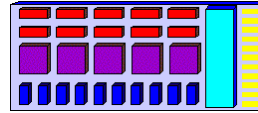


Description Top-level assembly
File Name FSB-B75G.RPJ
Time 11:08
Failure Rate 15.227271
MTBF 65,672

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1059700001	Resistor	R288,R289,R323, R335,R575,R625, R626,R660,R665, R710	Telcordia Issue 1	Level I		10.00	0.002268	.1489	440974090.03
1050520004	Resistor	R294,R571	Telcordia Issue 1	Level I		2.00	0.002268	.0298	440974090.03
105A512009	Resistor	R296	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
105A710053	Resistor	R298	Telcordia Issue 1	Level I		1.00	0.013606	.0894	73495681.67
105A524913	Resistor	R303,R623	Telcordia Issue 1	Level I		2.00	0.002268	.0298	440974090.03
105A511313	Resistor	R306	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
1050510034	Resistor	R313,R321,R324, R393,R538,R598	Telcordia Issue 1	Level I		6.00	0.002268	.0894	440974090.03
1050524904	Resistor	R320,R562	Telcordia Issue 1	Level I		2.00	0.002268	.0298	440974090.03
105A515419	Resistor	R331	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
105A502003	Resistor	R334	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
1050538314	Resistor	R347	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
105A505109	Resistor	R354,R356,R360, R362,R376,R383, R394	Telcordia Issue 1	Level I		7.00	0.002268	.1042	440974090.03
105A514734	Resistor	R378,R455	Telcordia Issue 1	Level I		2.00	0.002268	.0298	440974090.03
1050537404	Resistor	R381	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
105A522613	Resistor	R385	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
105A514023	Resistor	R386	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
1050524909	Resistor	R388,R492,R609	Telcordia Issue 1	Level I		3.00	0.002268	.0447	440974090.03
1050518714	Resistor	R389	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
105A510009	Resistor	R391,R392,R404, R413,R442,R497, R512,R584,R615, R637,R638,R655, R661,R663	Telcordia Issue 1	Level I		14.00	0.002268	.2085	440974090.03
1050544264	Resistor	R400	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
105A507509	Resistor	R402,R535	Telcordia Issue 1	Level I		2.00	0.002268	.0298	440974090.03
1050511009	Resistor	R403,R438	Telcordia Issue 1	Level I		2.00	0.002268	.0298	440974090.03
105A768009	Resistor	R410,R428	Telcordia Issue 1	Level I		2.00	0.002268	.0298	440974090.03
1050513714	Resistor	R411	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
1050505604	Resistor	R418	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
105A549919	Resistor	R426	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
105A590913	Resistor	R432,R433	Telcordia Issue 1	Level I		2.00	0.002268	.0298	440974090.03
105A514033	Resistor	R449	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
105A532433	Resistor	R451	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
1050551034	Resistor	R452	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
105A571513	Resistor	R457	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03

AAEON Reliability Prediction Report

Part Number 9697B75G02-D
Reference Des
Date 02. 8, 2013
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00

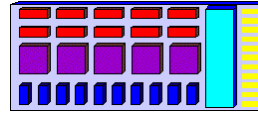


Description Top-level assembly
File Name FSB-B75G.RPJ
Time 11:08
Failure Rate 15.227271
MTBF 65,672

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1050549934	Resistor	R462,R474	Telcordia Issue 1	Level I		2.00	0.002268	.0298	440974090.03
105A702429	Resistor	R463	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
105A502123	Resistor	R480,R487	Telcordia Issue 1	Level I		2.00	0.002268	.0298	440974090.03
105A519629	Resistor	R495	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
105A516513	Resistor	R499	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
1050590964	Resistor	R507	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
105A516933	Resistor	R511	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
1050517804	Resistor	R536	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
105A702053	Resistor	R567	Telcordia Issue 1	Level I		1.00	0.013606	.0894	73495681.67
1050727009	Resistor	R568,R569,R570	Telcordia Issue 1	Level I		3.00	0.002268	.0447	440974090.03
105A518233	Resistor	R577	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
1059700101	Resistor	R580	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
105A566519	Resistor	R583	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
105A527413	Resistor	R585	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
105A536529	Resistor	R591	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
1050557614	Resistor	R595,R596,R597	Telcordia Issue 1	Level I		3.00	0.002268	.0447	440974090.03
1050548714	Resistor	R606	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
105A515034	Resistor	R634	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
1050582514	Resistor	R654	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
1050551004	Resistor	R666	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
105A730009	Resistor	R701	Telcordia Issue 1	Level I		1.00	0.002268	.0149	440974090.03
11E9610080	Capacitor	TC1,TC12,TC14,TC15, TC17,TC18,TC2,TC21, TC22,TC23,TC26, TC27,TC29,TC3,TC31, TC33,TC34,TC35, TC36,TC38,TC39,TC6, TC7,TC8,TC9	Telcordia Issue 1	Level I		25.00	0.004535	.7446	220487045.01
11E1510050	Capacitor	TC10,TC19,TC20, TC24,TC25,TC28, TC32,TC37,TC40, TC41	Telcordia Issue 1	Level I		10.00	0.004535	.2978	220487045.01
14S4048502	Integrated Circuit	U1,U7	Telcordia Issue 1	Level I		2.00	0.059366	.7797	16844654.92
1315970211	Semiconductor	U14,U2,U6	Telcordia Issue 1	Level I		3.00	0.159207	3.1366	6281149.14
14S4021301	Integrated Circuit	U3,U4	Telcordia Issue 1	Level I		2.00	0.059366	.7797	16844654.92
1314917314	Integrated Circuit	U5	Telcordia Issue 1	Level I		1.00	0.059366	.3899	16844654.92
14S5A12506	Integrated Circuit	U8	Telcordia Issue 1	Level I		1.00	0.026183	.1719	38193355.79
14S5812502	Integrated Circuit	U9	Telcordia Issue 1	Level I		1.00	0.026183	.1719	38193355.79
14S5A01400	Integrated Circuit	U10	Telcordia Issue 1	Level I		1.00	0.059366	.3899	16844654.92

AAEON Reliability Prediction Report

Part Number 9697B75G02-D
Reference Des
Date 02. 8, 2013
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description Top-level assembly
File Name FSB-B75G.RPJ
Time 11:08
Failure Rate 15.227271
MTBF 65,672

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
14S2634100	Integrated Circuit	U11	Telcordia Issue 1	Level I		1.00	0.026183	.1719	38193355.79
14S1035803	Integrated Circuit	U13,U22,U42	Telcordia Issue 1	Level I		3.00	0.059366	1.1696	16844654.92
14S3801400	Integrated Circuit	U15	Telcordia Issue 1	Level I		1.00	0.059366	.3899	16844654.92
14S9661200	Integrated Circuit	U16,U24,U33,U43	Telcordia Issue 1	Level I		4.00	0.059366	1.5595	16844654.92
14S6334610	Integrated Circuit	U17,U39	Telcordia Issue 1	Level I		2.00	0.022943	.3013	43586356.53
02043-000901MI	Integrated Circuit	U18,U36	Telcordia Issue 1	Level I		2.00	0.026183	.3439	38193355.79
14S42B7500	Integrated Circuit	U20	Telcordia Issue 1	Level I	15.40	1.00	0.061924	.4067	16148783.64
14S4081102	Integrated Circuit	U21	Telcordia Issue 1	Level I		1.00	0.026183	.1719	38193355.79
1651611550	Connection	U23	Telcordia Issue 1	Level I		1.00	0.001138	.0075	878780270.71
14S5912300	Integrated Circuit	U25	Telcordia Issue 1	Level I		1.00	0.026183	.1719	38193355.79
14S4362707	Integrated Circuit	U29	Telcordia Issue 1	Level I		1.00	0.026183	.1719	38193355.79
14S2303700	Integrated Circuit	U30	Telcordia Issue 1	Level I		1.00	0.059366	.3899	16844654.92
14S3636400	Integrated Circuit	U31	Telcordia Issue 1	Level I		1.00	0.026183	.1719	38193355.79
14S3587000	Integrated Circuit	U32	Telcordia Issue 1	Level I		1.00	0.059366	.3899	16844654.92
1314108412	Integrated Circuit	U34	Telcordia Issue 1	Level I		1.00	0.059366	.3899	16844654.92
14S5A01430	Integrated Circuit	U37	Telcordia Issue 1	Level I		1.00	0.026183	.1719	38193355.79
14S4820900	Integrated Circuit	U38	Telcordia Issue 1	Level I		1.00	0.026183	.1719	38193355.79
14S4888801	Integrated Circuit	U40	Telcordia Issue 1	Level I		1.00	0.026183	.1719	38193355.79
14S2750100	Integrated Circuit	U41	Telcordia Issue 1	Level I		1.00	0.059366	.3899	16844654.92
1314043113	Integrated Circuit	VR1,VR2	Telcordia Issue 1	Level I		2.00	0.059366	.7797	16844654.92
1231332721	Miscellaneous	X1	Telcordia Issue 1	Level I		1.00	0.150000	.9851	6666666.67
123132505D	Miscellaneous	X2,Y1,Y2	Telcordia Issue 1	Level I		3.00	0.150000	2.9552	6666666.67
1050501224	Resistor	R19,R33	Telcordia Issue 1	Level I		2.00	0.002268	.0298	440974090.03
14S9080900	Integrated Circuit	U27	Telcordia Issue 1	Level I		1.00	0.026183	.1719	38193355.79
1540722280	Resistor	RN2,RN3,RN4,RN5	Telcordia Issue 1	Level I		4.00	0.006246	.1641	160102772.00
1315034430	Semiconductor	Q20,U12,U26	Telcordia Issue 1	Level I		3.00	0.159207	3.1366	6281149.14
1655404021	Connection	ATX1	Telcordia Issue 1	Level I		1.00	0.028449	.1868	35151210.83
12G20010020F	Connection	BT1	Telcordia Issue 1	Level I		1.00	0.001138	.0075	878780270.71
1655003022	Connection	CN2	Telcordia Issue 1	Level I		1.00	0.001707	.0112	585853513.81
1653005205	Connection	CN3	Telcordia Issue 1	Level I		1.00	0.005690	.0374	175756054.14
1653002100	Connection	CN6	Telcordia Issue 1	Level I		1.00	0.001138	.0075	878780270.71
165300420F	Connection	CN7	Telcordia Issue 1	Level I		1.00	0.004552	.0299	219695067.68
1653205203	Connection	COM1,COM2	Telcordia Issue 1	Level I		2.00	0.005690	.0747	175756054.14
1655004018	Connection	CPU_FAN1,SYS_FAN1	Telcordia Issue 1	Level I		2.00	0.022759	.2989	43939013.54
16515C0499	Connection	DIMM1,DIMM2	Telcordia Issue 1	Level I		2.00	0.001138	.0149	878780270.71
1653005201	Connection	DIO1,USB2,USB3	Telcordia Issue 1	Level I		3.00	0.005690	.1121	175756054.14

