

PCM-LN02

Reliability Prediction Report (MTBF)

Summary	Failure Rate:15.628038 ppm MTBF:63988 Hours
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Issue date	Approval	Test Engineer
2011/09/27	Jansin Lee	Clement Chien

Reliability Prediction (MTBF)

I . Model Name: PCM-LN02 A0.2

II . Prediction Date: Sep.27 ,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: 25.0 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:

PCM-LN02 A0.2:

- Failure Rate: 15.628038 ppm
- MTBF:63988 Hours

AAEON Reliability Prediction Report

Part Number 9697LN0202-S
Reference Des
Date 09. 27, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description Top-level assembly
File Name PCM-LN02.RPJ
Time 13:19
Failure Rate 15.628038
MTBF 63,988

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
System	9697LN0202-S	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled	100.00	1.00	15.63	63987.56

AAEON Reliability Prediction Report

Part Number 9697LN0202-S
Reference Des
Date 09. 27, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00

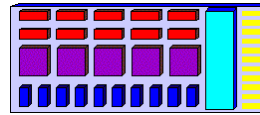


Description Top-level assembly
File Name PCM-LN02.RPJ
Time 13:19
Failure Rate 15.628038
MTBF 63,988

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1050563420	Resistor	R436	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
165392521J	Connection	CFD1A	Telcordia Issue 1	Level I		1.00	0.001138	.0073	878780270.71
1214309008	Inductor	CH1,CH2,CH3,CH4, CH5,CH6	Telcordia Issue 1	Level I		6.00	0.002268	.0871	440974090.03
1654903900	Connection	CN17	Telcordia Issue 1	Level I		1.00	0.001138	.0073	878780270.71
1654030003	Connection	CN27	Telcordia Issue 1	Level I		1.00	0.001138	.0073	878780270.71
1653212100	Connection	CN36	Telcordia Issue 1	Level I		1.00	0.001138	.0073	878780270.71
1174522180	Capacitor	CP1,CP10,CP11,CP12, CP13,CP2,CP3,CP4, CP5,CP6,CP7,CP8, CP9	Telcordia Issue 1	Level I		13.00	0.005466	.4547	182961702.19
1121501691	Capacitor	C1,C102,C103,C104, C105,C106,C107, C110,C111,C112, C113,C114,C115, C116,C117,C118, C120,C121,C122, C124,C125,C126, C129,C130,C131, C132,C134,C135, C137,C140,C142, C143,C144,C145, C146,C151,C154, C155,C158,C159,	Telcordia Issue 1	Level I		350.00	0.004535	10.1574	220487045.01
11C2501790	Capacitor	C139,C14,C15,C16, C17,C18,C19,C2,C20, C203,C21,C359,C360, C361,C362,C386, C387,C44,C443,C472, C6,C64,C67,C68,C8, C85	Telcordia Issue 1	Level I		26.00	0.004535	.7545	220487045.01
1124410191	Capacitor	C3,C355,C356,C357, C363,C364,C396,C71	Telcordia Issue 1	Level I		8.00	0.004535	.2322	220487045.01
1129710390	Capacitor	C314,C5,C639,C649	Telcordia Issue 1	Level I		4.00	0.004535	.1161	220487045.01
1124533191	Capacitor	C10,C11,C12,C9	Telcordia Issue 1	Level I		4.00	0.004535	.1161	220487045.01

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Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
11E9510050	Capacitor	C109,C119,C13,C138, C148,C149,C153, C156,C171,C179, C214,C219,C263, C272,C28,C294,C323, C333,C342,C344, C349,C369,C372,C39, C393,C415,C433, C436,C437,C440, C457,C48,C498,C499, C511,C533,C547,C55, C552,C558,C570, C575,C588,C589,	Telcordia Issue 1	Level I		55.00	0.004535	1.5962	220487045.01
1129622690	Capacitor	C208,C29,C37,C432, C451,C489,C525, C527,C540,C541, C543,C545,C553, C564,C577,C581, C591,C593,C599, C618,C637,C641	Telcordia Issue 1	Level I		22.00	0.005466	.7694	182961702.19
11E9501090	Capacitor	C108,C133,C136, C147,C161,C163, C173,C198,C207, C227,C260,C269,C30, C31,C32,C33,C34, C35,C367,C407,C43, C445,C446,C456, C465,C47,C479,C480, C487,C490,C510,C52, C546,C549,C550, C551,C555,C556, C561,C566,C568, C571,C572,C573,	Telcordia Issue 1	Level I		63.00	0.004535	1.8283	220487045.01
11C4501380	Capacitor	C36	Telcordia Issue 1	Level I		1.00	0.004535	.0290	220487045.01
11E9622050	Capacitor	C100,C123,C192, C223,C375,C38,C397, C404,C413,C447, C459,C466,C484, C567,C61,C615,C73, C78,C91	Telcordia Issue 1	Level I		19.00	0.004535	.5514	220487045.01
11E1510050	Capacitor	C341,C40,C46,C49, C491,C56,C57,C95	Telcordia Issue 1	Level I		8.00	0.004535	.2322	220487045.01
1124547190	Capacitor	C295,C394,C416,C42, C62,C63,C65,C66	Telcordia Issue 1	Level I		8.00	0.004535	.2322	220487045.01

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11E9647680	Capacitor	C197,C370,C383,C384,C444,C458,C483,C485,C503,C51,C526,C536	Telcordia Issue 1	Level I		12.00	0.004535	.3483	220487045.01
1129710090	Capacitor	C354,C506,C514,C54,C668,C669,C670	Telcordia Issue 1	Level I		7.00	0.004535	.2031	220487045.01
11C9501050	Capacitor	C82	Telcordia Issue 1	Level I		1.00	0.004535	.0290	220487045.01
1124410080	Capacitor	C343,C92	Telcordia Issue 1	Level I		2.00	0.004535	.0580	220487045.01
11C4522190	Capacitor	C645,C96	Telcordia Issue 1	Level I		2.00	0.004535	.0580	220487045.01
1129715090	Capacitor	C127,C128,C157,C494,C522,C523	Telcordia Issue 1	Level I		6.00	0.004535	.1741	220487045.01
1124427091	Capacitor	C181,C248,C253,C293,C347,C351,C352,C353,C392,C398,C401,C408	Telcordia Issue 1	Level I		12.00	0.004535	.3483	220487045.01
1124522290	Capacitor	C256,C273,C655	Telcordia Issue 1	Level I		3.00	0.004535	.0871	220487045.01
11C4582190	Capacitor	C306	Telcordia Issue 1	Level I		1.00	0.004535	.0290	220487045.01
1124533282	Capacitor	C307	Telcordia Issue 1	Level I		1.00	0.004535	.0290	220487045.01
1129747091	Capacitor	C315,C317,C667	Telcordia Issue 1	Level I		3.00	0.004535	.0871	220487045.01
1129522790	Capacitor	C331,C334,C335	Telcordia Issue 1	Level I		3.00	0.004535	.0871	220487045.01
1124510280	Capacitor	C332	Telcordia Issue 1	Level I		1.00	0.004535	.0290	220487045.01
11C2510480	Capacitor	C358	Telcordia Issue 1	Level I		1.00	0.004535	.0290	220487045.01
11C2539290	Capacitor	C405	Telcordia Issue 1	Level I		1.00	0.004535	.0290	220487045.01
11C1547890	Capacitor	C448	Telcordia Issue 1	Level I		1.00	0.004535	.0290	220487045.01
1122522890	Capacitor	C460	Telcordia Issue 1	Level I		1.00	0.004535	.0290	220487045.01
11E4433690	Capacitor	C604	Telcordia Issue 1	Level I		1.00	0.004535	.0290	220487045.01
11E4433090	Capacitor	C672,C673	Telcordia Issue 1	Level I		2.00	0.004535	.0580	220487045.01
1304001340	Semiconductor	D1	Telcordia Issue 1	Level I		1.00	0.004877	.0312	205063180.81
1304101340	Semiconductor	D2	Telcordia Issue 1	Level I		1.00	0.004877	.0312	205063180.81
1304300140	Semiconductor	D3	Telcordia Issue 1	Level I		1.00	0.004877	.0312	205063180.81
1301005444	Semiconductor	D10,D17,D20,D31,D4	Telcordia Issue 1	Level I		5.00	0.023881	.7640	41874327.58
1301005442	Semiconductor	D6,D8,D9	Telcordia Issue 1	Level I		3.00	0.023881	.4584	41874327.58
1301005441	Semiconductor	D7	Telcordia Issue 1	Level I		1.00	0.023881	.1528	41874327.58
1305080040	Semiconductor	D12,D13,D14,D15,D21,D22,D23,D24,D25,D26,D27,D28,D29,D30,D32,D33,D34	Telcordia Issue 1	Level I		17.00	0.079603	8.6592	12562298.27
1301005443	Semiconductor	D18	Telcordia Issue 1	Level I		1.00	0.023881	.1528	41874327.58
1301053040	Semiconductor	D19	Telcordia Issue 1	Level I		1.00	0.023881	.1528	41874327.58

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File Name PCM-LN02.RPJ
Time 13:19
Failure Rate 15.628038
MTBF 63,988

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
105A700003	Resistor	R115,R122,R14,R328, R348,R376,R408, R462,R48,R505,R624, R662,R731,R735, R741	Telcordia Issue 1	Level I		15.00	0.002268	.2177	440974090.03
105A705139	Resistor	R147,R17,R200,R230, R272,R342,R451, R452,R472,R490, R669,R673,R701, R707	Telcordia Issue 1	Level I		14.00	0.002268	.2031	440974090.03
105A700139	Resistor	R106,R107,R109, R195,R206,R207, R209,R21,R225,R235, R236,R237,R238, R242,R28,R306,R359, R360,R364,R384, R386,R387,R388, R389,R390,R392, R400,R405,R430, R446,R456,R464, R466,R479,R486, R492,R508,R509, R529,R53,R549,R	Telcordia Issue 1	Level I		63.00	0.002268	.9142	440974090.03
105A549919	Resistor	R23,R324,R35,R447, R46,R49,R61	Telcordia Issue 1	Level I		7.00	0.002268	.1016	440974090.03
105A701009	Resistor	R25,R484,R546,R71	Telcordia Issue 1	Level I		4.00	0.002268	.0580	440974090.03
105A722009	Resistor	R30,R31,R38,R39, R40,R41	Telcordia Issue 1	Level I		6.00	0.002268	.0871	440974090.03
105A700009	Resistor	R102,R112,R121, R123,R124,R126, R127,R128,R131, R133,R135,R136, R141,R154,R162, R165,R177,R190, R192,R214,R223, R224,R234,R244, R255,R258,R262, R263,R269,R279, R283,R287,R288, R292,R327,R33,R333, R334,R335,R336,	Telcordia Issue 1	Level I		114.00	0.002268	1.6542	440974090.03
1050547004	Resistor	R37,R421,R422,R473, R752,R785,R786, R787,R798,R801	Telcordia Issue 1	Level I		10.00	0.002268	.1451	440974090.03
105A501413	Resistor	R42	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03

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MTBF 63,988

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate,%	MTBF, Unit
1050503604	Resistor	R148,R149,R150, R153,R172,R178, R183,R188,R194, R205,R572,R573, R574,R575,R576, R587,R588,R590, R592,R593,R594, R596,R598,R600	Telcordia Issue 1	Level I		24.00	0.002268	.3483	440974090.03
105A703003	Resistor	R155,R156	Telcordia Issue 1	Level I		2.00	0.002268	.0290	440974090.03
105A568123	Resistor	R164	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
105A701003	Resistor	R167	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
1050524904	Resistor	R170,R467,R520, R541	Telcordia Issue 1	Level I		4.00	0.002268	.0580	440974090.03
105A531613	Resistor	R201	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
105A534823	Resistor	R202	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
105A524003	Resistor	R220,R264,R325, R374,R569,R621, R671,R718	Telcordia Issue 1	Level I		8.00	0.002268	.1161	440974090.03
105A505109	Resistor	R229,R243,R247, R252,R254,R259, R270,R274,R276, R649,R657,R659, R661	Telcordia Issue 1	Level I		13.00	0.002268	.1886	440974090.03
105A500239	Resistor	R231,R770,R773	Telcordia Issue 1	Level I		3.00	0.002268	.0435	440974090.03
105A568163	Resistor	R266	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
105A580663	Resistor	R278,R678	Telcordia Issue 1	Level I		2.00	0.002268	.0290	440974090.03
105A501539	Resistor	R289	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
105A768009	Resistor	R293,R294,R295, R296,R297,R298, R299	Telcordia Issue 1	Level I		7.00	0.002268	.1016	440974090.03
1059702261	Resistor	R302,R713	Telcordia Issue 1	Level I		2.00	0.002268	.0290	440974090.03
105A501039	Resistor	R305,R321,R393, R433,R441,R493, R703,R709,R710, R711,R714	Telcordia Issue 1	Level I		11.00	0.002268	.1596	440974090.03
105A503039	Resistor	R319	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
105A702263	Resistor	R323,R531,R740	Telcordia Issue 1	Level I		3.00	0.002268	.0435	440974090.03
105A502003	Resistor	R341	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
105A554923	Resistor	R350	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
105A575033	Resistor	R351	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
105A513033	Resistor	R355	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
1050501004	Resistor	R369,R474,R495, R497,R636,R639, R744,R771,R772	Telcordia Issue 1	Level I		9.00	0.002268	.1306	440974090.03

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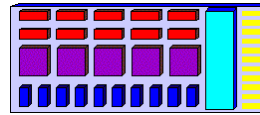


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105A584523	Resistor	R370	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
105A507509	Resistor	R379,R380,R381, R654,R725,R728, R730	Telcordia Issue 1	Level I		7.00	0.002268	.1016	440974090.03
105A704709	Resistor	R394,R401	Telcordia Issue 1	Level I		2.00	0.002268	.0290	440974090.03
1050702734	Resistor	R406,R465	Telcordia Issue 1	Level I		2.00	0.002268	.0290	440974090.03
1050505124	Resistor	R428,R476	Telcordia Issue 1	Level I		2.00	0.002268	.0290	440974090.03
105A522669	Resistor	R457	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
105A705629	Resistor	R471	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
105A501233	Resistor	R477	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
105A532413	Resistor	R478	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
105A545303	Resistor	R481	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
1050507530	Resistor	R498,R513,R791, R792	Telcordia Issue 1	Level I		4.00	0.002268	.0580	440974090.03
105A540213	Resistor	R501	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
105A505163	Resistor	R514	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
1050533034	Resistor	R519,R537	Telcordia Issue 1	Level I		2.00	0.002268	.0290	440974090.03
105A556269	Resistor	R542,R543,R633	Telcordia Issue 1	Level I		3.00	0.002268	.0435	440974090.03
105A701069	Resistor	R579	Telcordia Issue 1	Level I		1.00	0.013606	.0871	73495681.67
1050533214	Resistor	R625	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
105A597604	Resistor	R626	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
105A506203	Resistor	R627	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
105A575003	Resistor	R634	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
105A549969	Resistor	R638	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
105A523713	Resistor	R665	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
105A515009	Resistor	R691,R692,R693, R749,R750,R751	Telcordia Issue 1	Level I		6.00	0.002268	.0871	440974090.03
105A566503	Resistor	R704	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
1050586604	Resistor	R715	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
105A515033	Resistor	R732	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
105A536533	Resistor	R733	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
105A580623	Resistor	R734	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
1189627150	Capacitor	TC11,TC7,TC8	Telcordia Issue 1	Level I		3.00	0.004535	.0871	220487045.01
1182622080	Capacitor	TC4	Telcordia Issue 1	Level I		1.00	0.004535	.0290	220487045.01
1189615151	Capacitor	TC13,TC15,TC17, TC19,TC20,TC5,TC6	Telcordia Issue 1	Level I		7.00	0.004535	.2031	220487045.01
1189633160	Capacitor	TC10	Telcordia Issue 1	Level I		1.00	0.004535	.0290	220487045.01
1189633193	Capacitor	TC12	Telcordia Issue 1	Level I		1.00	0.004535	.0290	220487045.01
14S1230400	Integrated Circuit	U1	Telcordia Issue 1	Level I		1.00	0.059366	.3799	16844654.92

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MTBF 63,988

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14S9811500	Integrated Circuit	U2	Telcordia Issue 1	Level I		1.00	0.059366	.3799	16844654.92
1315482110	Semiconductor	U23,U3,U47,U5	Telcordia Issue 1	Level I		4.00	0.079603	2.0374	12562298.27
14S3088800	Integrated Circuit	U4	Telcordia Issue 1	Level I		1.00	0.059366	.3799	16844654.92
14S5912300	Integrated Circuit	U6	Telcordia Issue 1	Level I		1.00	0.065211	.4173	15334865.74
14S2362400	Integrated Circuit	U7	Telcordia Issue 1	Level I		1.00	0.059366	.3799	16844654.92
1315446310	Semiconductor	U18,U56,U58,U8	Telcordia Issue 1	Level I		4.00	0.079603	2.0374	12562298.27
14S4258300	Integrated Circuit	U9	Telcordia Issue 1	Level I		1.00	0.026183	.1675	38193355.79
14S5A00821	Integrated Circuit	U10,U11,U40,U51	Telcordia Issue 1	Level I		4.00	0.026183	.6701	38193355.79
14S4195710	Integrated Circuit	U12	Telcordia Issue 1	Level I		1.00	0.026183	.1675	38193355.79
14S4256701	Inductor	U13	Telcordia Issue 1	Level I		1.00	0.136062	.8706	7349568.17
14S2221100	Integrated Circuit	U14	Telcordia Issue 1	Level I		1.00	0.059366	.3799	16844654.92
1315422410	Semiconductor	U15,U19,U22	Telcordia Issue 1	Level I		3.00	0.079603	1.5281	12562298.27
14S6308002	Integrated Circuit	U16	Telcordia Issue 1	Level I		1.00	0.102105	.6533	9793828.99
14S4280121	Integrated Circuit	U17	Telcordia Issue 1	Level I		1.00	0.026183	.1675	38193355.79
1315482410	Semiconductor	U20,U48	Telcordia Issue 1	Level I		2.00	0.079603	1.0187	12562298.27
14S4151000	Integrated Circuit	U21	Telcordia Issue 1	Level I		1.00	0.026183	.1675	38193355.79
14S2591200	Integrated Circuit	U24	Telcordia Issue 1	Level I		1.00	0.059366	.3799	16844654.92
14S3156500	Integrated Circuit	U25	Telcordia Issue 1	Level I		1.00	0.059366	.3799	16844654.92
14S4021301	Integrated Circuit	U26,U31,U34,U38, U43,U73	Telcordia Issue 1	Level I		6.00	0.059366	2.2792	16844654.92
14S4911216	Integrated Circuit	U30	Telcordia Issue 1	Level I		1.00	0.059366	.3799	16844654.92
14S3050100	Integrated Circuit	U33	Telcordia Issue 1	Level I		1.00	0.026183	.1675	38193355.79
14S4180010	Integrated Circuit	U35	Telcordia Issue 1	Level I		1.00	0.026183	.1675	38193355.79
14S9103200	Integrated Circuit	U36	Telcordia Issue 1	Level I		1.00	0.059366	.3799	16844654.92
14S4871204	Integrated Circuit	U37	Telcordia Issue 1	Level I		1.00	0.026183	.1675	38193355.79
14S5A12503	Integrated Circuit	U41	Telcordia Issue 1	Level I		1.00	0.026183	.1675	38193355.79
14S2538000	Integrated Circuit	U42	Telcordia Issue 1	Level I		1.00	0.059366	.3799	16844654.92
14S4010300	Integrated Circuit	U45	Telcordia Issue 1	Level I		1.00	0.026183	.1675	38193355.79
14S4010200	Integrated Circuit	U46	Telcordia Issue 1	Level I		1.00	0.026183	.1675	38193355.79
14S2200900	Integrated Circuit	U49	Telcordia Issue 1	Level I		1.00	0.059366	.3799	16844654.92
14S3128421	Integrated Circuit	U50	Telcordia Issue 1	Level I		1.00	0.059366	.3799	16844654.92
14S2321900	Integrated Circuit	U53	Telcordia Issue 1	Level I		1.00	0.059366	.3799	16844654.92
14S4686200	Integrated Circuit	U54,U57,U59	Telcordia Issue 1	Level I		3.00	0.059366	1.1396	16844654.92
1315667910	Semiconductor	U55	Telcordia Issue 1	Level I		1.00	0.079603	.5094	12562298.27
14S3111600	Integrated Circuit	U60	Telcordia Issue 1	Level I		1.00	0.059366	.3799	16844654.92
14S3112400	Integrated Circuit	U61	Telcordia Issue 1	Level I		1.00	0.059366	.3799	16844654.92
14S4820900	Integrated Circuit	U63,U64	Telcordia Issue 1	Level I		2.00	0.026183	.3351	38193355.79

AAEON Reliability Prediction Report

Part Number 9697LN0202-S
Reference Des
Date 09. 27, 2011
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description Top-level assembly
File Name PCM-LN02.RPJ
Time 13:19
Failure Rate 15.628038
MTBF 63,988

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
14S4121601	Integrated Circuit	U66	Telcordia Issue 1	Level I		1.00	0.026183	.1675	38193355.79
14S5A00700	Integrated Circuit	U68	Telcordia Issue 1	Level I		1.00	0.026183	.1675	38193355.79
14S4081110	Integrated Circuit	U69	Telcordia Issue 1	Level I		1.00	0.026183	.1675	38193355.79
14S3524700	Integrated Circuit	U71	Telcordia Issue 1	Level I		1.00	0.059366	.3799	16844654.92
14S4888801	Integrated Circuit	U74	Telcordia Issue 1	Level I		1.00	0.026183	.1675	38193355.79
14S5A00601	Integrated Circuit	U76	Telcordia Issue 1	Level I		1.00	0.026183	.1675	38193355.79
14S4048503	Integrated Circuit	U77,U78	Telcordia Issue 1	Level I		2.00	0.059366	.7597	16844654.92
14S5A12506	Integrated Circuit	U79	Telcordia Issue 1	Level I		1.00	0.026183	.1675	38193355.79
123132505D	Miscellaneous	Y1,Y2	Telcordia Issue 1	Level I		2.00	0.150000	1.9196	6666666.67
123131435J	Miscellaneous	Y4	Telcordia Issue 1	Level I		1.00	0.150000	.9598	6666666.67
1189633194	Capacitor	OEC4	Telcordia Issue 1	Level I		1.00	0.004535	.0290	220487045.01
105A573223	Resistor	R518	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
105A529423	Resistor	R118	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
11C4547290	Capacitor	C365,C681	Telcordia Issue 1	Level I		2.00	0.004535	.0580	220487045.01
1121415090	Capacitor	C682	Telcordia Issue 1	Level I		1.00	0.004535	.0290	220487045.01
105A518229	Resistor	R116,R525	Telcordia Issue 1	Level I		2.00	0.002268	.0290	440974090.03
1129610080	Capacitor	C462,C463	Telcordia Issue 1	Level I		2.00	0.004535	.0580	220487045.01
105A547523	Resistor	R8	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
1050561934	Resistor	R445	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
121110336Y	Inductor	L2	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
1231332722	Miscellaneous	Y3	Telcordia Issue 1	Level I		1.00	0.360000	2.3036	2777777.78
14S3E00100	Integrated Circuit	U82,U83	Telcordia Issue 1	Level I		2.00	0.022943	.2936	43586356.53
14S6203204	Integrated Circuit	U52	Telcordia Issue 1	Level I		1.00	0.102105	.6533	9793828.99
105A597613	Resistor	R442	Telcordia Issue 1	Level I		1.00	0.002268	.0145	440974090.03
14S634022H	Integrated Circuit	U28	Telcordia Issue 1	Level I		1.00	0.026372	.1688	37918485.54
14S634022E	Integrated Circuit		Telcordia Issue 1	Level I		1.00	0.026372	.1688	37918485.54
14S68H9C00	Integrated Circuit	U29,U32,U39,U44, U65,U70,U75,U80	Telcordia Issue 1	Level I		8.00	0.026372	1.3500	37918485.54
1654226303	Connection	PCIE1A,PCIE2A	Telcordia Issue 1	Level I		2.00	0.013655	.1748	73231689.23