

PICO-KBU4

Reliability Prediction Report (MTBF)

Summary	Failure Rate: 6129.312662 MTBF: 163,150 Hours
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Issue date	QE Manager	Test Engineer
2018-05-09	KJ Wang	Louie Lee

Reliability Prediction (MTBF)

I . Model Name: PICO-KBU4

II . Prediction Date: May. 9th, 2018

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

IV . Predicted by: Louie Lee

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:

PICO-KBU4 (M/B: 9697KBU40D-D):

- Failure Rate: 6129.312662
- MTBF: 163,150 Hours

**AAEON Reliability Prediction
Summary**

File Name: PICO-KBU4.rfp
Duty Cycle: 100
Calculation Model: Telcordia Issue 2
Method: Method I Case 3

Failure Rate: 6129.312662
MTBF (hrs): 163,150
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Assembly Name	Part Number	Ref Des	Quantity	Failure Rate	MTBF
PICO-KBU4	9697KBU40D-D		1	6129.312662	163,150

File Name: PICO-KBU4.rfp
Assembly: 9697KBU40D-D
Ref Des:
Description:

Failure Rate: 6129.312662
MTBF (hrs): 163,150
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1050501004	Resistor	R726,R769,R901, R902		2.547039	4	82309758.689546
1050502204	Resistor	R41,R42,R43,R44		2.547039	4	82309758.689546
1050502224	Resistor	R748		2.547039	1	282340674.079668
1050502234	Resistor	R885		2.547039	1	282340674.079668
1050502724	Resistor	R95		2.547039	1	282340674.079668
1050502734	Resistor	R910		2.547039	1	282340674.079668
1050503324	Resistor	R124		2.547039	1	282340674.079668
1050504724	Resistor	R1742,R252,R257,R259,R260,R261,R262,R292,R570, R907		2.547039	10	35079934.879747
1050504764	Resistor	R874		2.547039	1	282340674.079668
1050505124	Resistor	R266,R759		2.547039	2	154078778.388085
1050505604	Resistor	R132		2.547039	1	282340674.079668
1050507524	Resistor	R750,R754		2.547039	2	154078778.388085
1050508224	Resistor	R113,R35		2.547039	2	154078778.388085
1050510004	Resistor	R1021,R105,R130,R140,R141,R6,R740,R744,R745,R757,R758,R767,R869,R888,R89,R895		2.547039	16	22425139.809646
1050510014	Resistor	R13,R144,R16,R18,R28,R29,R291,R294,R296,R299,R332,R333,R36,R37,R65,R68,R69,R711,R714,R715,R722,R742,R775,R776,R87,R88,R980,R991		2.547039	28	13089488.559853

File Name: PICO-KBU4.rfp
 Assembly: 9697KBU40D-D
 Ref Des:
 Description:

Failure Rate: 6129.312662
 MTBF (hrs): 163,150
 Temperature: 30
 Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1050510024	Resistor	R1001,R1002 ,R1013, R1033,R11,R 169, R1743,R178, R245, R246,R247,R 249, R253,R255,R 256, R269,R272,R 273, R276,R30,R3 30,R331, R34,R580,R5 81,R582, R583,R592,R 593, R594,R595,R 598, R599,R617,R 676, R684,R690,R 697, R702,R710,R 729,R78, R79,R793,R8 0,R808, R81,R816,R8 5		2.547039	64	5858544.498073
1050510034	Resistor	R268,R274,R 277, R771,R774		2.547039	5	67008142.102588
1050512104	Resistor	R8		2.547039	1	282340674.079668
1050513334	Resistor	R795		2.547039	1	282340674.079668
1050513724	Resistor	R1031		2.547039	1	282340674.079668
1050514044	Resistor	R749,R753		2.547039	2	154078778.388085
1050516014	Resistor	R834		2.547039	1	282340674.079668
1050520004	Resistor	R76		2.547039	1	282340674.079668
1050521524	Resistor	R717,R719,R 728		2.547039	3	107020754.986850
1050522004	Resistor	R135		2.547039	1	282340674.079668
1050524004	Resistor	R149,R150,R 151, R152,R153,R 154, R155,R156,R 157, R158,R159		2.547039	11	32049696.385471
1050524904	Resistor	R163,R5		2.547039	2	154078778.388085
1050524909	Resistor	R983,R984,R 994, R995		2.547039	4	82309758.689546

File Name: PICO-KBU4.rfp
Assembly: 9697KBU40D-D
Ref Des:
Description:

Failure Rate: 6129.312662
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Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1050533034	Resistor	R121		2.547039	1	282340674.079668
1050535724	Resistor	R796		2.547039	1	282340674.079668
1050535734	Resistor	R1025		2.547039	1	282340674.079668
1050536514	Resistor	R1744		2.547039	1	282340674.079668
1050538314	Resistor	R768		2.547039	1	282340674.079668
1050539224	Resistor	R1011		2.547039	1	282340674.079668
1050545324	Resistor	R835		2.547039	1	282340674.079668
1050545364	Resistor	R896		2.547039	1	282340674.079668
1050547004	Resistor	R10		2.547039	1	282340674.079668
1050547034	Resistor	R293,R868,R887		2.547039	3	107020754.986850
1050549904	Resistor	R22,R23,R39,R878		2.547039	4	82309758.689546
1050549964	Resistor	R145,R38,R48,R49,R50,R51,R777		2.547039	7	48991237.965885
1050551004	Resistor	R736,R985,R996		2.547039	3	107020754.986850
1050554934	Resistor	R772		2.547039	1	282340674.079668
1050560424	Resistor	R730		2.547039	1	282340674.079668
1050560464	Resistor	R115,R40		2.547039	2	154078778.388085
1050564924	Resistor	R653		2.547039	1	282340674.079668
1050580664	Resistor	R7		2.547039	1	282340674.079668
1050584524	Resistor	R773,R893		2.547039	2	154078778.388085

File Name: PICO-KBU4.rfp
Assembly: 9697KBU40D-D
Ref Des:
Description:

Failure Rate: 6129.312662
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Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1050700004	Resistor	R102,R104,R118,R12,R120,R128,R133,R134,R138,R139,R142,R147,R166,R167,R171,R173,R1746,R1747,R1748,R1749,R1752,R1753,R1755,R1756,R1757,R1758,R1759,R1760,R1761,R1762,R1763,R186,R187,R192,R193,R24,R248,R251,R275,R306,R31,R315,R317,R319,R327, R548		2.547039	93	4062844.618986
1050701004	Resistor	R190,R832		2.547039	2	154078778.388085
1050701044	Resistor	R1017,R127,R181,R195,R196,R295,R307,R308,R309,R310,R311,R312,R313,R314,R619,R650,R655,R800,R809,R875,R884,R9		2.547039	22	16518584.576317
1050701504	Resistor	R15,R17,R19		2.547039	3	107020754.986850
1050704304	Resistor	R45		2.547039	1	282340674.079668
1050720044	Resistor	R258		2.547039	1	282340674.079668
1050756004	Resistor	R263,R264,R265,R267,R270,R271		2.547039	6	56573956.677649
1052500171	Resistor	R693		2.547039	1	282340674.079668
1053500282	Resistor	R1024		2.547039	1	282340674.079668

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Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1059518041	Resistor	R883		2.547039	1	282340674.079668
105A501529	Resistor	R551,R747,R751		2.547039	3	107020754.986850
105A501539	Resistor	R981,R992		2.547039	2	154078778.388085
105A502003	Resistor	R574		2.547039	1	282340674.079668
105A502039	Resistor	R1032,R733,R792,R879,R880		2.547039	5	67008142.102588
105A503039	Resistor	R654,R658,R882		2.547039	3	107020754.986850
105A505109	Resistor	R54,R55,R59,R61,R727		2.547039	5	67008142.102588
105A507509	Resistor	R1008,R1009		2.547039	2	154078778.388085
105A515003	Resistor	R86		2.547039	1	282340674.079668
105A515013	Resistor	R577		2.547039	1	282340674.079668
105A518214	Resistor	R160,R162		2.547039	2	154078778.388085
105A524919	Resistor	R986,R997		2.547039	2	154078778.388085
105A530123	Resistor	R718		2.547039	1	282340674.079668
105A533003	Resistor	R576		2.547039	1	282340674.079668
105A538323	Resistor	R659		2.547039	1	282340674.079668
105A548723	Resistor	R871		2.547039	1	282340674.079668
105A561924	Resistor	R760,R763,R791		2.547039	3	107020754.986850
105A595313	Resistor	R174		2.547039	1	282340674.079668
105A700003	Resistor	R1023,R1745,R562,R616,R621,R652,R656,R778,R782,R866,R881,R886,R953,R977,R988		2.547039	15	23852782.943395
105A700203	Resistor	R161,R716,R720,R721,R762,R779,R783		2.547039	7	48991237.965885
105A701059	Resistor	R103,R194		2.547039	2	154078778.388085
105A701069	Resistor	R96		2.547039	1	282340674.079668
105A702039	Resistor	R101,R99		2.547039	2	154078778.388085
105A702229	Resistor	R164,R165,R176,R177,R47,R52,R812		2.547039	7	48991237.965885
105A702269	Resistor	R790,R876		2.547039	2	154078778.388085
105A703309	Resistor	R1003,R1004,R1005,R1006,R1007		2.547039	5	67008142.102588

File Name: PICO-KBU4.rfp
Assembly: 9697KBU40D-D
Ref Des:
Description:

Failure Rate: 6129.312662
MTBF (hrs): 163,150
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
105A704763	Resistor	R1029		2.547039	1	282340674.079668
105A710009	Resistor	R288		2.547039	1	282340674.079668
105A712053	Resistor	R867		2.547039	1	282340674.079668
105A733009	Resistor	R289,R290,R 297, R298,R579		2.547039	5	67008142.102588
105A739039	Resistor	R1030		2.547039	1	282340674.079668
105A747009	Resistor	R1034,R618, R677, R685,R689,R 694, R696,R701,R 865		2.547039	9	38754445.632391
105B500009	Resistor	R197		2.547039	1	282340674.079668
105B501039	Resistor	R109,R111,R 112, R117,R191,R 304, R305,R695,R 818,R82, R83,R84,R96 6		2.547039	13	27342571.921361
105B502035	Resistor	R1010,R1012 ,R116		2.547039	3	107020754.986850
105B700009	Resistor	R1027,R107, R108, R110,R122,R 123, R146,R1750, R1751, R301,R335,R 336, R547,R555,R 556, R725,R737,R 741, R743,R746,R 755, R756,R761,R 764, R797,R798,R 811		2.547039	27	13557741.157915
105B700139	Resistor	R66,R67		2.547039	2	154078778.388085
105B702205	Resistor	R33		2.547039	1	282340674.079668
105B702225	Resistor	R1738,R1739 ,R801, R802,R803,R 804		2.547039	6	56573956.677649
105B703309	Resistor	R300		2.547039	1	282340674.079668
105B710039	Resistor	R100,R148,R 188		2.547039	3	107020754.986850

File Name: PICO-KBU4.rfp
Assembly: 9697KBU40D-D
Ref Des:
Description:

Failure Rate: 6129.312662
MTBF (hrs): 163,150
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
105B720009	Resistor	R106		2.547039	1	282340674.079668
106B510034	Resistor	RT1,RT2,RT3,RT4		7.724580	4	21923287.146155
106BA22039	Resistor	RT5		7.724580	1	66247589.526685
1121501690	Capacitor	C1,C11,C127,9,C132,C133,C147,C156,C177,C179,C181,C182,C183,C184,C185,C186,C187,C188,C190,C191,C208,C209,C210,C211,C212,C213,C220,C275,C279,C321,C324,C325,C326,C327,C328,C329,C331,C332,C333,C334,C339,C340,C479,C660,C661,C666,C667,C670,C671,C6		1.128806	70	12288550.464753
1121533480	Capacitor	C710,C725,C857		1.128806	3	257514172.353070
1122522890	Capacitor	C178		1.128806	1	704977644.692287
1124418090	Capacitor	C2,C3		1.128806	2	375289731.076049
1124427090	Capacitor	C791,C792,C825,C826		1.128806	4	196873384.410843
1124433190	Capacitor	C520,C620,C712		1.128806	3	257514172.353070
1124522190	Capacitor	C693,C861		1.128806	2	375289731.076049
1124522290	Capacitor	C600,C603,C614,C728,C729		1.128806	5	159367490.199266
1124522680	Capacitor	C589,C590,C615,C692		1.128806	4	196873384.410843

File Name: PICO-KBU4.rfp
Assembly: 9697KBU40D-D
Ref Des:
Description:

Failure Rate: 6129.312662
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Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1124547190	Capacitor	C292,C483,C619		1.128806	3	257514172.353070
1124547290	Capacitor	C583,C594,C595,C605,C624,C631,C638		1.128806	7	115633865.771428
1129522790	Capacitor	C688		1.128806	1	704977644.692287
1129701790	Capacitor	C207,C496,C497,C498,C499,C586,C678,C679,C680,C681,C793,C827		1.128806	12	68856937.301178
1129710090	Capacitor	C320		1.128806	1	704977644.692287
1129710390	Capacitor	C218,C536,C599,C601,C604,C609,C613		1.128806	7	115633865.771428
1129715090	Capacitor	C592,C597,C623		1.128806	3	257514172.353070
1129722091	Capacitor	C8,C9		1.128806	2	375289731.076049
1189615154	Capacitor	C293,C482		4.744484	2	86049450.747498
118C6331B2	Capacitor	C629,C630,C636,C637,C643		4.744484	5	36944177.000623
11A4410194	Capacitor	C844,C845		1.128806	2	375289731.076049
11A4418280	Capacitor	C622		1.128806	1	704977644.692287
11C1533890	Capacitor	C612		1.128806	1	704977644.692287
11C1547890	Capacitor	C593,C598,C611		1.128806	3	257514172.353070
11C2501790	Capacitor	C317		1.128806	1	704977644.692287
11C4401880	Capacitor	C621		1.128806	1	704977644.692287
11C4510480	Capacitor	C686,C711		1.128806	2	375289731.076049
11C4533240	Capacitor	C335,C336		1.128806	2	375289731.076049
11C4568240	Capacitor	C383		1.128806	1	704977644.692287
11CB510350	Capacitor	C10		1.128806	1	704977644.692287
11E1501040	Capacitor	C515,C552,C556,C587,C689,C709,C836,C856		1.128806	8	101746760.035398

File Name: PICO-KBU4.rfp
Assembly: 9697KBU40D-D
Ref Des:
Description:

Failure Rate: 6129.312662
MTBF (hrs): 163,150
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Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
11E2501690	Capacitor	C1280,C221,C318,C516,C522,C550,C555,C573,C584,C585,C591,C617,C697,C704,C705,C713,C719,C726,C733,C830,C832,C837,C843,C850,C851,C855,C860,C863,C864,C865,C866		1.128806	31	27349602.091781
11E2610032	Capacitor	C222,C517,C518,C625,C626,C627,C628,C632,C633,C634,C635,C639,C640,C690,C691,C706,C707,C708,C730,C731,C847,C848,C849		1.128806	23	36609385.175833
11E3510012	Capacitor	C315,C316		1.128806	2	375289731.076049
11E9510490	Capacitor	C1278,C676,C677,C803,C808,C809,C817,C820,C821		1.128806	9	90863428.080946
11E9547680	Capacitor	C805,C806,C818,C819		1.128806	4	196873384.410843

File Name: PICO-KBU4.rfp
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Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
11E9622080	Capacitor	C119,C120,C121, C148,C189,C20,C21, C22,C23,C24,C25, C26,C27,C28,C549, C553,C644,C645,C65, C66,C67,C68,C687, C69,C694,C695,C696, C70,C701,C71,C727		1.128806	31	27349602.091781
11EA501050	Capacitor	C100,C101,C102, C123,C124,C125, C126,C127,C128, C130,C131,C134, C135,C136,C141, C142,C143,C144, C145,C146,C151, C323,C44,C45,C46, C47,C48,C49,C50, C51,C52,C53,C54, C55,C56,C57,C58, C59,C6,C60,C61, C800,C814,C84,C85, C86,C87,C88,C89, C90,C91,C92,C93,C94,C		1.128806	59	14541999.022292

**Reliability Prediction
Summary**

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Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
11EA610040	Capacitor	C102,C103,C104, C105,C106,C107, C108,C109,C110, C111,C112,C113, C114,C115,C116, C117,C118,C129, C155,C159,C169, C170,C171,C172, C173,C174,C175, C176,C199,C205, C214,C235,C29,C30, C31,C32,C33,C34, C35,C36,C37,C38, C39,C40,C41,C42, C43,C491,C494,C702, C72,C		1.128806	65	13219350.671625
11EA647010	Capacitor	C12,C13,C14,C15, C16,C17,C18,C19, C62,C63,C64		1.128806	11	74892583.279796
11EB501040	Capacitor	C153,C154,C158, C160,C161,C162, C163,C164,C165, C166,C167,C330,C4, C7,C801,C815		1.128806	16	52112480.802928

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11EB510450	Capacitor	C193,C201,C202, C203,C204,C206, C215,C216,C217, C280,C281,C282, C283,C284,C285, C286,C287,C319, C489,C490,C492, C493,C760,C761, C762,C769		1.128806	26	32480878.530766
11EB522640	Capacitor	C157,C322,C588, C838,C839		1.128806	5	159367490.199266
11EB547740	Capacitor	C200		1.128806	1	704977644.692287
11EB610041	Capacitor	C194,C495,C551, C554,C829,C831, C833,C834,C835, C840,C841,C842		1.128806	12	68856937.301178
11EB622030	Capacitor	C219,C514,C523, C524,C576,C577, C578,C579,C580, C685,C862		1.128806	11	74892583.279796
11EB647021	Capacitor	C716,C717,C718, C852,C853,C854		1.128806	6	133979725.056342
121110106Z	Inductor	L16		4.944252	1	154760964.143460
121110156P	Inductor	L13		4.944252	1	154760964.143460
1211101573	Inductor	L18,L19		4.944252	2	83201062.149749
121110226X	Inductor	L21		4.944252	1	154760964.143460
1211103376	Inductor	L20		4.944252	1	154760964.143460
1211106879	Inductor	L22		4.944252	1	154760964.143460
1212308054	Inductor	FB12		4.944252	1	154760964.143460
12123A000E	Inductor	FB22		4.944252	1	154760964.143460

File Name: PICO-KBU4.rfp
 Assembly: 9697KBU40D-D
 Ref Des:
 Description:

Failure Rate: 6129.312662
 MTBF (hrs): 163,150
 Temperature: 30
 Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
12123C000A	Inductor	FB1,FB2,FB2 3,FB24, FB25,FB26,F B3		4.944252	7	25970990.056682
12123C0010	Inductor	FB14		4.944252	1	154760964.143460
1214109009	Inductor	CH1,CH10,C H11,CH2, CH4,CH7,CH 8,CH9		4.944252	8	22874049.098230
12310024A0	Miscellaneous	Y2		19.200000	1	23844262.770939
12310025A5	Miscellaneous	Y6,Y7		19.200000	2	8854051.752197
1231332726	Miscellaneous	Y1		19.200000	1	23844262.770939
1301400541	Semiconductor	D9		7.793411	1	92807310.010983
1301400642	Semiconductor	D8		7.793411	1	92807310.010983
1301793040	Semiconductor	D1,D16,D18, D2,D3, D36,D37,D38 ,D5		7.793411	9	12694047.317505
1304001340	Optical Device	LED2		79.003355	1	6497172.749112
1304101340	Optical Device	LED1		79.003355	1	6497172.749112
1304300140	Optical Device	LED4		79.003355	1	6497172.749112
130505ESD0	Semiconductor	U52,U53,U54 ,U55, U84,U85,U86 ,U87, U88,U89		22.463360	10	3960370.776745
13055VCSP0	Semiconductor	U101,U102		22.463360	2	17315095.066101
1305Z40120	Semiconductor	D35		7.793411	1	92807310.010983
13100EMX10	Semiconductor	Q2		22.463360	1	31642600.748419
1310390413	Semiconductor	Q6,Q7,Q8		22.463360	3	12043329.789539
1311390610	Semiconductor	Q11,Q12		22.463360	2	17315095.066101
1315050180	Semiconductor	Q45,Q46		22.463360	2	17315095.066101
1315230111	Semiconductor	Q4		22.463360	1	31642600.748419
1315700216	Semiconductor	Q40,Q5,Q9		22.463360	3	12043329.789539
1315720010	Semiconductor	Q47		22.463360	1	31642600.748419
1315EM6K10	Semiconductor	Q1,Q3,Q44,Q 51,Q53, Q56,Q57		22.463360	7	5525968.936223
1315EM6K70	Semiconductor	Q71,Q73,Q7 4		22.463360	3	12043329.789539
1430006850	Integrated Circuit	U67		43.803003	1	11739202.588727
1430012821	Integrated Circuit	U65,U66		43.803003	2	6834791.244197
1430023050	Integrated Circuit	U2		43.803003	1	11739202.588727
1430087620	Integrated Circuit	U62,U64		43.803003	2	6834791.244197
1430097420	Integrated Circuit	U56,U58		43.803003	2	6834791.244197
1430455200	Integrated Circuit	U105,U61,U6 8,U71, U72,U73,U75 ,U76, U90		43.803003	9	1934274.130806

File Name: PICO-KBU4.rfp
Assembly: 9697KBU40D-D
Ref Des:
Description:

Failure Rate: 6129.312662
MTBF (hrs): 163,150
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1430812460	Integrated Circuit	U77		43.803003	1	11739202.588727
1430Q86360	Integrated Circuit	U59		43.803003	1	11739202.588727
143ALC2690	Integrated Circuit	U29		43.803003	1	11739202.588727
1440002130	Integrated Circuit	U26		43.803003	1	11739202.588727
1440033650	Integrated Circuit	U4		43.803003	1	11739202.588727
14407600U0	Integrated Circuit	U1		21.706765	1	23689035.791249
1448111GC0	Integrated Circuit	U10,U9		43.803003	2	6834791.244197
1462001282	Integrated Circuit	U28		11.063278	1	58231413.220643
1490034600	Integrated Circuit	U91		43.803003	1	11739202.588727
14S1035803	Integrated Circuit	U106		43.803003	1	11739202.588727
14S3009900	Integrated Circuit	U103,U104,U96,U97		43.803003	4	3879156.910661
14S3524700	Integrated Circuit	U6		43.803003	1	11739202.588727
14S3E00100	Integrated Circuit	U12		43.803003	1	11739202.588727
14S4180100	Integrated Circuit	U13		43.803003	1	11739202.588727
14S4631500	Integrated Circuit	U24		43.803003	1	11739202.588727
14S4751100	Integrated Circuit	U50		43.803003	1	11739202.588727
14S4814380	Integrated Circuit	U27		43.803003	1	11739202.588727
14S5912300	Integrated Circuit	U25		26.018600	1	25551442.237972
14S5A00821	Integrated Circuit	U14,U15,U3,U74		26.018600	4	7696979.559193
1540710280	Resistor	RP1		9.971436	1	51606907.671214
1651526001	Connection	DIMM1		16.184835	1	35685591.360212
1652602105	Connection	CN14		16.184835	1	35685591.360212
1652814205	Connection	CN6,CN7		16.184835	2	20390152.380746
165300310G	Connection	JP3		16.184835	1	35685591.360212
165300320D	Connection	CN9,JP4,JP5		16.184835	3	14515880.849373
165330010E	Connection	JP3(1-2)		16.184835	1	35685591.360212
1653300120	Connection	JP4(2-4),JP4(3-5), JP5(1-3),JP5(2-4)		16.184835	4	11344857.509064
1653505200	Connection	CN10,CN15		16.184835	2	20390152.380746
1653510211	Connection	CN16		16.184835	1	35685591.360212
1653515210	Connection	CN5		16.184835	1	35685591.360212
1654008020	Connection	CN17		16.184835	1	35685591.360212
1654207537	Connection	CN30		16.184835	1	35685591.360212
165420753A	Connection	CN26		16.184835	1	35685591.360212
165440193A	Connection	CN2		16.184835	1	35685591.360212
1654801832	Connection	CN11		16.184835	1	35685591.360212
1654907009	Connection	CN20		16.184835	1	35685591.360212
1655302025	Connection	CN21		16.184835	1	35685591.360212
1655802133	Connection	CN1		16.184835	1	35685591.360212
1655804130	Connection	CN27		16.184835	1	35685591.360212
1655812130	Connection	CN19		16.184835	1	35685591.360212
1655905130	Connection	CN4		16.184835	1	35685591.360212
1655907130	Connection	CN28		16.184835	1	35685591.360212

**Reliability Prediction
Summary**

File Name: PICO-KBU4.rfp
Assembly: 9697KBU40D-D
Ref Des:
Description:

Failure Rate: 6129.312662
MTBF (hrs): 163,150
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
175011301C	Miscellaneous	CN1 (BATTERY)		306.000000	1	1681683.006787
1752000501	Miscellaneous	FS3		2.400000	1	254626042.602335
1752002500	Miscellaneous	FS2		2.400000	1	254626042.602335
1752007500	Miscellaneous	FS1		2.400000	1	254626042.602335