

# RTC-900B

## Reliability Prediction Report

### (MTBF)

Summary	Failure Rate: 14023.678326 ppm MTBF: 71,308 Hours
---------	--

Issue date

2015/5/25

Approval

KJ Wang

Test Engineer

Anderson Lin

# Reliability Prediction (MTBF)

---

**I . Model Name: RTC-700C**

**II . Prediction Date:** May. 25, 2015

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

**IV . Predicted by:** Anderson Lin

**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 in 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 in specify that the failure rate is to be calculated based the selected Calculation models. The multiplier is 1,000,000,000.
- MTBF : MTBF is always specified in hours.

**VIII. Prediction Result:**

RTC-900B (9697900B04-D):

- Failure Rate: **14023.678326** ppm
- MTBF: **71,308** Hours

**File Name:** RTC-900B.rfp  
**Duty Cycle:** 100  
**Calculation Model:** Telcordia Issue 2  
**Method:** Method I Case 3

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Assembly Name	Part Number	Ref Des	Quantity	Failure Rate	MTBF
System	System		1	14023.678326	71,308

**Reliability Prediction  
Summary**

**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
9697900B04-S				0.000000	1	0.000000
1654903600		ANT1		0.000000	1	0.000000
1653202100		ANT2,CN3		0.000000	2	0.000000
1654901230		BARCODE1		0.000000	1	0.000000
1655910133		BATCON2		0.000000	1	0.000000
1655902033		BAT1,SPK1		0.000000	2	0.000000
165300420Q		BIOS1,EC1		0.000000	2	0.000000
1214309009		CH10,CH11,C H13, CH14,CH15,C H16		0.000000	6	0.000000
1655902130		MIC1		0.000000	1	0.000000
1124410190		C1,C2,C252, C3,C332, C39,C470,C4 71,C472		0.000000	9	0.000000
1189610151		C126,C174,C 175, C225,C226,C 4,C5		0.000000	7	0.000000
1129622690		C245,C246,C 253, C254,C262,C 263, C264,C266,C 271, C272,C283,C 284, C291,C326,C 327, C328,C329,C 330, C365,C7		0.000000	20	0.000000

**Reliability Prediction  
Summary**

**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1121501690		C10,C102,C105,C11,C110,C111,C114,C115,C118,C119,C12,C122,C124,C13,C133,C134,C136,C137,C139,C14,C143,C144,C145,C148,C15,C150,C153,C157,C158,C159,C16,C161,C163,C164,C165,C17,C171,C177,C179,C18,C180,C181,C182,C183,C187,C188,C189,C19,C190,C191,C191		0.000000	262	0.000000
1129610080		C104,C106,C113,C142,C146,C147,C149,C160,C169,C170,C193,C194,C195,C196,C197,C203,C208,C210,C23,C247,C248,C25,C280,C293,C321,C345,C373,C376,C380,C392,C405,C481,C490,C498,C58,C632,C635,C72,C73,C86		0.000000	40	0.000000
11C1547480		C30		0.000000	1	0.000000

**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
11E2501080		C112,C129,C132, C200,C205,C209, C275,C290,C31,C310, C40,C482,C499,C87		0.000000	14	0.000000
1124522290		C168,C237,C294, C312,C34,C541,C544, C552,C553,C82		0.000000	10	0.000000
11C2501790		C217,C239,C334, C347,C362,C368, C457,C458,C459, C460,C66,C83		0.000000	12	0.000000
11E2510060		C103,C107,C130, C131,C201,C228, C241,C276,C501, C504,C67,C78		0.000000	12	0.000000
1189627150		C108,C155,C198, C232,C242,C315, C317,C349,C91		0.000000	9	0.000000
1129710090		C100,C101,C121, C123,C135,C138, C250,C251,C270, C350,C411,C445, C522,C528,C548,C99		0.000000	16	0.000000
1129522790		C117,C125,C127, C249,C259,C282, C570		0.000000	7	0.000000
11C2510480		C128,C227,C500, C505		0.000000	4	0.000000

**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1124433090		C151,C530,C531		0.000000	3	0.000000
11E9501090		C156,C173,C184, C204,C212,C219, C221,C257,C292, C296,C298,C300, C301,C302,C303, C304,C305,C306, C307,C308,C309, C318,C322,C323, C324,C325,C331, C337,C338,C339, C340,C341,C342, C343,C344,C351, C352,C353,C354, C355,C356,C357, C358,C359,C381, C382,C383,C384,		0.000000	71	0.000000
1129722091		C211,C299,C529, C532,C533,C534, C535,C536,C538, C540		0.000000	10	0.000000
1124510280		C215,C527		0.000000	2	0.000000
1124433680		C229,C230		0.000000	2	0.000000
1121533480		C231,C268,C273, C281		0.000000	4	0.000000
11C2522880		C238,C447,C473, C476,C477,C479		0.000000	6	0.000000
1124447180		C240		0.000000	1	0.000000



**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
11E9547682		C255,C265,C277, C286,C289,C475, C478,C480		0.000000	8	0.000000
1124522680		C285,C314,C320		0.000000	3	0.000000
1124501780		C311		0.000000	1	0.000000
11E9622050		C372,C374,C375, C391		0.000000	4	0.000000
1124418090		C451,C465,C594, C595,C624,C625		0.000000	6	0.000000
1124427090		C454,C455,C497		0.000000	3	0.000000
1124412090		C486,C487		0.000000	2	0.000000
11876220B0		C502,C503		0.000000	2	0.000000
11A4418180		C525,C526		0.000000	2	0.000000
11A4402040		C537,C539		0.000000	2	0.000000
1124515880		C558,C565		0.000000	2	0.000000
1655910130		DCIN1,TOUCH2		0.000000	2	0.000000
1652503108		DCIN3		0.000000	1	0.000000
1305L02E40		D1,D11,D28, D35,D37, D8,D9		0.000000	7	0.000000
1301400541		D2		0.000000	1	0.000000
1301005444		D13,D14,D15, D18, D20,D21,D22, D23, D24,D25,D3, D7		0.000000	12	0.000000
1302005142		D4		0.000000	1	0.000000
1301400642		D12,D17,D26, D27, D36		0.000000	5	0.000000
1305401200		D10		0.000000	1	0.000000
1300054040		D16		0.000000	1	0.000000
1301002240		D19		0.000000	1	0.000000
1654903030		ECDB1		0.000000	1	0.000000
12123C0006	Capacitor	FB1,FB14,FB18,FB19, FB2,FB20,FB21,FB3		2.257612	8	50873380.017699

**Reliability Prediction  
Summary**

**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
12123D0000	Capacitor	FB13,FB15,F B16, FB22,FB24,F B25, FB26,FB27,F B28, FB29,FB30,F B34, FB35,FB37,F B38,FB5, FB6		2.257612	17	24566651.536906
12123C0010	Capacitor	FB17,FB23,F B36,FB9		2.257612	4	98436692.205421
1752026001		FS1		0.000000	1	0.000000
1752011002		FS2		0.000000	1	0.000000
1654919100		HDMI1		0.000000	1	0.000000
1652707200		HPO1		0.000000	1	0.000000
1304000043		LED1		0.000000	1	0.000000
1304101440		LED2		0.000000	1	0.000000
1654900831		LIGHT1		0.000000	1	0.000000
1653212100		LPC1		0.000000	1	0.000000
1654940307		LVDS1		0.000000	1	0.000000
1211102270		L1		0.000000	1	0.000000
121110106M		L2		0.000000	1	0.000000
121113307K		L3,L4		0.000000	2	0.000000
121110226K		L5		0.000000	1	0.000000
121110336X		L6,L7		0.000000	2	0.000000
1211105679		L11,L8		0.000000	2	0.000000
1211100119		L9		0.000000	1	0.000000
1211147078		L10		0.000000	1	0.000000
121110226T		L12		0.000000	1	0.000000
1211108261		L13		0.000000	1	0.000000
121110567C		L14,L15		0.000000	2	0.000000
1211202700		L16		0.000000	1	0.000000
1654901035		MICRO_SD1		0.000000	1	0.000000
1654226303		3G_1,MSATA 1, WIFI_BT_1		0.000000	3	0.000000

**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
13156K1N10		Q1,Q10,Q11, Q12,Q14, Q15,Q2,Q23, Q25,Q29, Q3,Q33,Q34, Q35,Q36, Q39,Q41,Q4 2,Q43, Q44,Q45,Q4 6,Q48, Q49,Q5,Q50, Q51,Q52, Q53,Q56,Q5 8,Q59,Q6, Q60,Q61,Q6 3,Q9		0.000000	37	0.000000
1315230511		Q22,Q24,Q2 6,Q32,Q4, Q62,Q64,Q8		0.000000	8	0.000000
1315495710		Q16,Q18		0.000000	2	0.000000
1315720010		Q27,Q28,Q3 7,Q47		0.000000	4	0.000000
1315762010		Q30,Q31		0.000000	2	0.000000
1315873300		Q38,Q40		0.000000	2	0.000000
1311390612		Q54,Q55		0.000000	2	0.000000
1310390413		Q57		0.000000	1	0.000000
106B504734		RT1,RT2,RT3 ,RT4		0.000000	4	0.000000
105A507503		R1,R519,R52 0,R7,R9		0.000000	5	0.000000

**Reliability Prediction  
Summary**

**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1050510034		R135,R14,R140,R15,R166,R169,R178,R183,R184,R189,R2,R20,R205,R206,R219,R24,R251,R262,R265,R272,R277,R308,R31,R34,R340,R35,R360,R40,R43,R478,R480,R514,R515,R566,R592,R595,R647,R671,R673,R68,R710,R711,R712,R713,R734,R735,R737,R74,R741,R743,R754,		0.000000	55	0.000000

**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
105A501039		R103,R112,R127, R132,R136,R139, R145,R16,R160,R165, R171,R177,R188,R19, R190,R204,R21,R212, R213,R214,R215, R216,R218,R220, R221,R23,R259,R27, R28,R282,R284,R297, R303,R305,R310, R317,R318,R33,R351, R361,R364,R371, R374,R375,R385,R39, R390,R397,R398,R4, R		0.000000	116	0.000000
1050502224		R162,R167,R174, R175,R377,R381, R392,R396,R412, R413,R416,R5,R518, R521,R635,R637, R649,R650		0.000000	18	0.000000
1050502234		R10,R264,R273,R321, R8		0.000000	5	0.000000
105A501003		R12,R267,R269		0.000000	3	0.000000

**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
105A700009		C469,R105,R107, R108,R111,R116, R120,R121,R128, R129,R13,R130,R131, R137,R141,R161, R164,R17,R186,R199, R203,R222,R224, R225,R227,R241, R249,R25,R255,R256, R26,R260,R268,R270, R271,R274,R278, R280,R285,R286, R289,R290,R294, R298,R299,R304, R312,R320,R331,		0.000000	152	0.000000
105A566523		R126,R134,R228,R36, R37,R64		0.000000	6	0.000000
105A523233		R38		0.000000	1	0.000000
105A504333		R341,R42,R522,R523, R524,R525		0.000000	6	0.000000
105A504733		R45		0.000000	1	0.000000
105A702269		R106,R180,R283,R47, R585,R587,R589, R593,R602,R603, R617,R631,R85,R94		0.000000	14	0.000000

**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
105A700003		R144,R181,R182, R313,R329,R48,R586, R594,R600,R601, R613,R615,R629, R632		0.000000	14	0.000000
105A521033		R254,R49		0.000000	2	0.000000
105A507533		R326		0.000000	1	0.000000
105A532423		R101,R168,R198, R616		0.000000	4	0.000000
105A502033		R122,R125,R191, R332,R438,R482, R531,R534,R67		0.000000	9	0.000000
1053500179		R543,R72		0.000000	2	0.000000
105A500139		R102,R234,R430, R433,R469,R535, R536,R545,R549, R556,R557,R562, R564,R565,R572, R583,R584,R640, R642,R644,R648, R718,R726,R727, R728,R732,R77,R79		0.000000	28	0.000000
105A510223		R96		0.000000	1	0.000000
105A506823		R100,R110		0.000000	2	0.000000
105A531623		R109,R209		0.000000	2	0.000000
105A543223		R113		0.000000	1	0.000000
105A506803		R114		0.000000	1	0.000000
105A531603		R115		0.000000	1	0.000000
105A501333		R123		0.000000	1	0.000000
105A503033		R124,R439		0.000000	2	0.000000
105A562033		R138		0.000000	1	0.000000
105A561909		R146,R147,R148, R149,R150,R151, R152,R153		0.000000	8	0.000000

**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1050547004		R156,R158,R235, R236,R322,R328, R407,R408,R410, R420		0.000000	10	0.000000
105A516223		R163		0.000000	1	0.000000
105A505133		R172,R275,R738		0.000000	3	0.000000
105A528723		R187,R295		0.000000	2	0.000000
105B500279		R202,R266		0.000000	2	0.000000
105A500103		R208		0.000000	1	0.000000
105A530123		R210,R627		0.000000	2	0.000000
105A500233		R211,R571		0.000000	2	0.000000
105A502733		R223,R739		0.000000	2	0.000000
1050504724		R226,R232		0.000000	2	0.000000
105A541233		R229		0.000000	1	0.000000
1052500171		R230		0.000000	1	0.000000
105A568033		R231,R715		0.000000	2	0.000000
105A523263		R233		0.000000	1	0.000000
105A510003		R237,R238,R323, R324		0.000000	4	0.000000
105A513323		R239		0.000000	1	0.000000
105A530133		R240,R633		0.000000	2	0.000000
105A512033		R242		0.000000	1	0.000000
105A501233		R243,R683,R753		0.000000	3	0.000000
105A502003		R245,R253		0.000000	2	0.000000
105A575033		R246		0.000000	1	0.000000
1050573264		R247,R252,R258, R279		0.000000	4	0.000000
1050529464		R250		0.000000	1	0.000000
1050516204		R261		0.000000	1	0.000000
105A516963		R263		0.000000	1	0.000000
1050516234		R276		0.000000	1	0.000000
1050501054		R288,R425,R502, R503,R528,R677, R744		0.000000	7	0.000000
105A516933		R293		0.000000	1	0.000000
105A505933		R296		0.000000	1	0.000000
105A549933		R306		0.000000	1	0.000000
105A549963		R315,R330,R343, R355,R369		0.000000	5	0.000000
1050578724		R316,R319		0.000000	2	0.000000
105A511523		R325		0.000000	1	0.000000



**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1050502204		R347,R352,R365, R380		0.000000	4	0.000000
105A540203		R354,R406,R422		0.000000	3	0.000000
105A505103		R387,R388,R431, R455,R472		0.000000	5	0.000000
105A520003		R405		0.000000	1	0.000000
1050545364		R434,R437		0.000000	2	0.000000
105A512413		R457,R458		0.000000	2	0.000000
105A547563		R509		0.000000	1	0.000000
105A540213		R510		0.000000	1	0.000000
105A505123		R537		0.000000	1	0.000000
105A503309		R538,R539,R540, R541,R542,R567, R568,R569		0.000000	8	0.000000
105A514723		R610,R621		0.000000	2	0.000000
105A593123		R611,R628		0.000000	2	0.000000
105A578713		R612,R624		0.000000	2	0.000000
105A515033		R614,R623		0.000000	2	0.000000
105A539223		R618		0.000000	1	0.000000
105A593113		R630		0.000000	1	0.000000
105A501513		R651		0.000000	1	0.000000
105A533033		R714		0.000000	1	0.000000
105A540223		R740		0.000000	1	0.000000
1651508010		SIM1		0.000000	1	0.000000
16515A2990	Capacitor	SODIMM1		2.257612	1	352488822.346144
1601030700		SW1		0.000000	1	0.000000
1654901030		TOUCH1		0.000000	1	0.000000
1655905036		CCD1,CCD2, USB3, USB4,USB6		0.000000	5	0.000000
1654801010		USB5		0.000000	1	0.000000
14S5A01400		U3		0.000000	1	0.000000
14S2475300		U4		0.000000	1	0.000000
14S3112400		U10		0.000000	1	0.000000
14S3104500		U12,U15,U16		0.000000	3	0.000000
14S3112300		U13		0.000000	1	0.000000
1430686102		U14		0.000000	1	0.000000
1499406000		U17,U45,U46		0.000000	3	0.000000
14S3902500		U19,U23		0.000000	2	0.000000
1430732010		U20		0.000000	1	0.000000
14S9108500		U21,U54		0.000000	2	0.000000
14S3121600		U22		0.000000	1	0.000000

**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1430455200		U27,U28,U40 ,U41, U42,U43		0.000000	6	0.000000
14S5A00401		U29,U32		0.000000	2	0.000000
14S3116500		U30		0.000000	1	0.000000
1430651500		U31		0.000000	1	0.000000
143S596410		U33		0.000000	1	0.000000
1430516040		U34		0.000000	1	0.000000
1490083800		U35		0.000000	1	0.000000
1430621300		U37		0.000000	1	0.000000
14S5A00821		U38		0.000000	1	0.000000
149TB01040		U39		0.000000	1	0.000000
14S5A03200		U50,U51		0.000000	2	0.000000
14S5A00802		U52,U53		0.000000	2	0.000000
14S5A00704		U58,U59		0.000000	2	0.000000
1410023060		U60		0.000000	1	0.000000
143ALC8920		U62		0.000000	1	0.000000
1440000010		U63		0.000000	1	0.000000
1440PN5440		U66		0.000000	1	0.000000
14S5904501		U67,U68,U81		0.000000	3	0.000000
143AZC1990		U69		0.000000	1	0.000000
14S9346000		U72		0.000000	1	0.000000
14S4251402		U75,U83		0.000000	2	0.000000
142BMC1500		U76		0.000000	1	0.000000
142BMG1600		U77		0.000000	1	0.000000
142BMP2800		U78		0.000000	1	0.000000
14S3010700		U82		0.000000	1	0.000000
1231332722		Y3,Y4,Y6		0.000000	3	0.000000
123132505D		Y5		0.000000	1	0.000000
1231271240		Y7		0.000000	1	0.000000
1231324054		Y10,Y9		0.000000	2	0.000000
14S4963502		U36		0.000000	1	0.000000
1214309008		CH1,CH12,C H17,CH2, CH3,CH6,CH 7,CH8, CH9		0.000000	9	0.000000
14900104R1		U55,U56,U57		0.000000	3	0.000000
1050700002		R758		0.000000	1	0.000000
1655804130		CN4		0.000000	1	0.000000
1440E38450		U71		0.000000	1	0.000000
11E1522680		C611		0.000000	1	0.000000
143117ADJ0		U11		0.000000	1	0.000000
1462900B00		U44		0.000000	1	0.000000
14S6206403				0.000000	1	0.000000
14E0900B00		U79		0.000000	1	0.000000
14S6216060				0.000000	1	0.000000
2099000040				0.000000	1	0.000000

**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
11EA610040		C566		0.000000	1	0.000000
1601S01700		SW2		0.000000	1	0.000000
9697900B04-S				0.000000	1	0.000000
1654903600	Connection	ANT1		32.369669	1	17842795.680106
1653202100	Connection	ANT2,CN3		32.369669	2	10195076.190373
1654901230	Connection	BARCODE1		32.369669	1	17842795.680106
1655910133	Connection	BATCON2		32.369669	1	17842795.680106
1655902033	Connection	BAT1,SPK1		32.369669	2	10195076.190373
165300420Q	Connection	BIOS1,EC1		32.369669	2	10195076.190373
1214309009	Inductor	CH10,CH11,C H13, CH14,CH15,C H16		9.888503	6	15027950.111505
1655902130	Connection	MIC1		32.369669	1	17842795.680106
1124410190	Capacitor	C1,C2,C252, C3,C332, C39,C470,C4 71,C472		2.257612	9	45431714.040473
1189610151	Capacitor	C126,C174,C 175, C225,C226,C 4,C5		2.257612	7	57816932.885714
1129622690	Capacitor	C245,C246,C 253, C254,C262,C 263, C264,C266,C 271, C272,C283,C 284, C291,C326,C 327, C328,C329,C 330, C365,C7		2.257612	20	20975204.017083

**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1121501690	Capacitor	C10,C102,C105,C11,C110,C111,C114,C115,C118,C119,C12,C122,C124,C13,C133,C134,C136,C137,C139,C14,C143,C144,C145,C148,C15,C150,C153,C157,C158,C159,C16,C161,C163,C164,C165,C17,C171,C177,C179,C18,C180,C181,C182,C183,C187,C188,C189,C19,C190,C191,C1		2.257612	262	1664928.440587
1129610080	Capacitor	C104,C106,C113,C142,C146,C147,C149,C160,C169,C170,C193,C194,C195,C196,C197,C203,C208,C210,C23,C247,C248,C25,C280,C293,C321,C345,C373,C376,C380,C392,C405,C481,C490,C498,C58,C632,C635,C72,C73,C86		2.257612	40	10652726.412322
11C1547480	Capacitor	C30		2.257612	1	352488822.346144

**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
11E2501080	Capacitor	C112,C129,C132, C200,C205,C209, C275,C290,C31,C310, C40,C482,C499,C87		2.257612	14	29658149.005618
1124522290	Capacitor	C168,C237,C294, C312,C34,C541,C544, C552,C553,C82		2.257612	10	41050528.774059
11C2501790	Capacitor	C217,C239,C334, C347,C362,C368, C457,C458,C459, C460,C66,C83		2.257612	12	34428468.650589
11E2510060	Capacitor	C103,C107,C130, C131,C201,C228, C241,C276,C501, C504,C67,C78		2.257612	12	34428468.650589
1189627150	Capacitor	C108,C155,C198, C232,C242,C315, C317,C349,C91		2.257612	9	45431714.040473
1129710090	Capacitor	C100,C101,C121, C123,C135,C138, C250,C251,C270, C350,C411,C445, C522,C528,C548,C99		2.257612	16	26056240.401464
1129522790	Capacitor	C117,C125,C127, C249,C259,C282, C570		2.257612	7	57816932.885714
11C2510480	Capacitor	C128,C227,C500, C505		2.257612	4	98436692.205421

**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1124433090	Capacitor	C151,C530,C531		2.257612	3	128757086.176535
11E9501090	Capacitor	C156,C173,C184,C204,C212,C219,C221,C257,C292,C296,C298,C300,C301,C302,C303,C304,C305,C306,C307,C308,C309,C318,C322,C323,C324,C325,C331,C337,C338,C339,C340,C341,C342,C343,C344,C351,C352,C353,C354,C355,C356,C357,C358,C359,C381,C382,C383,C384,		2.257612	71	6058978.048647
1129722091	Capacitor	C211,C299,C529,C532,C533,C534,C535,C536,C538,C540		2.257612	10	41050528.774059
1124510280	Capacitor	C215,C527		2.257612	2	187644865.538025
1124433680	Capacitor	C229,C230		2.257612	2	187644865.538025
1121533480	Capacitor	C231,C268,C273,C281		2.257612	4	98436692.205421
11C2522880	Capacitor	C238,C447,C473,C476,C477,C479		2.257612	6	66989862.528171
1124447180	Capacitor	C240		2.257612	1	352488822.346144

**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
11E9547682	Capacitor	C255,C265,C277, C286,C289,C475, C478,C480		2.257612	8	50873380.017699
1124522680	Capacitor	C285,C314,C320		2.257612	3	128757086.176535
1124501780	Capacitor	C311		2.257612	1	352488822.346144
11E9622050	Capacitor	C372,C374,C375, C391		2.257612	4	98436692.205421
1124418090	Capacitor	C451,C465,C594, C595,C624,C625		2.257612	6	66989862.528171
1124427090	Capacitor	C454,C455,C497		2.257612	3	128757086.176535
1124412090	Capacitor	C486,C487		2.257612	2	187644865.538025
11876220B0	Capacitor	C502,C503		2.257612	2	187644865.538025
11A4418180	Capacitor	C525,C526		2.257612	2	187644865.538025
11A4402040	Capacitor	C537,C539		2.257612	2	187644865.538025
1124515880	Capacitor	C558,C565		2.257612	2	187644865.538025
1655910130	Connection	DCIN1,TOUC H2		32.369669	2	10195076.190373
1652503108	Connection	DCIN3		32.369669	1	17842795.680106
1305L02E40	Semiconductor	D1,D11,D28, D35,D37, D8,D9		15.586821	7	8026248.560723
1301400541	Semiconductor	D2		15.586821	1	46403655.005492
1301005444	Semiconductor	D13,D14,D15, D18, D20,D21,D22, D23, D24,D25,D3, D7		15.586821	12	4831227.500192
1302005142	Semiconductor	D4		15.586821	1	46403655.005492
1301400642	Semiconductor	D12,D17,D26, D27, D36		15.586821	5	10982515.702127
1305401200	Semiconductor	D10		15.586821	1	46403655.005492
1300054040	Semiconductor	D16		15.586821	1	46403655.005492
1301002240	Semiconductor	D19		15.586821	1	46403655.005492
1654903030	Connection	ECDB1		32.369669	1	17842795.680106
12123C0006	Inductor	FB1,FB14,FB18,FB19, FB2,FB20,FB21,FB3		9.888503	8	11437024.549115

**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
12123D0000	Inductor	FB13,FB15,F B16, FB22,FB24,F B25, FB26,FB27,F B28, FB29,FB30,F B34, FB35,FB37,F B38,FB5, FB6		9.888503	17	5548047.774324
12123C0010	Inductor	FB17,FB23,F B36,FB9		9.888503	4	21956436.212387
1654919100	Connection	HDMI1		32.369669	1	17842795.680106
1652707200	Connection	HPO1		32.369669	1	17842795.680106
1304000043	Semiconductor	LED1		15.586821	1	46403655.005492
1304101440	Semiconductor	LED2		15.586821	1	46403655.005492
1654900831	Connection	LIGHT1		32.369669	1	17842795.680106
1653212100	Connection	LPC1		32.369669	1	17842795.680106
1654940307	Connection	LVDS1		32.369669	1	17842795.680106
1211102270	Inductor	L1		9.888503	1	77380482.071730
121110106M	Inductor	L2		9.888503	1	77380482.071730
121113307K	Inductor	L3,L4		9.888503	2	41600531.074875
121110226K	Inductor	L5		9.888503	1	77380482.071730
121110336X	Inductor	L6,L7		9.888503	2	41600531.074875
1211105679	Inductor	L11,L8		9.888503	2	41600531.074875
1211100119	Inductor	L9		9.888503	1	77380482.071730
1211147078	Inductor	L10		9.888503	1	77380482.071730
121110226T	Inductor	L12		9.888503	1	77380482.071730
1211108261	Inductor	L13		9.888503	1	77380482.071730
121110567C	Inductor	L14,L15		9.888503	2	41600531.074875
1211202700	Inductor	L16		9.888503	1	77380482.071730
1654901035	Connection	MICRO_SD1		32.369669	1	17842795.680106
1654226303	Connection	3G_1,MSATA 1, WIFI_BT_1		32.369669	3	7257940.424686



**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
13156K1N10	Semiconductor	Q1,Q10,Q11, Q12,Q14, Q15,Q2,Q23, Q25,Q29, Q3,Q33,Q34, Q35,Q36, Q39,Q41,Q4 2,Q43, Q44,Q45,Q4 6,Q48, Q49,Q5,Q50, Q51,Q52, Q53,Q56,Q5 8,Q59,Q6, Q60,Q61,Q6 3,Q9		15.586821	37	1634696.255389
1315230511	Semiconductor	Q22,Q24,Q2 6,Q32,Q4, Q62,Q64,Q8		15.586821	8	7080571.001565
1315495710	Semiconductor	Q16,Q18		15.586821	2	25289047.611699
1315720010	Semiconductor	Q27,Q28,Q3 7,Q47		15.586821	4	13494542.063117
1315762010	Semiconductor	Q30,Q31		15.586821	2	25289047.611699
1315873300	Semiconductor	Q38,Q40		15.586821	2	25289047.611699
1311390612	Semiconductor	Q54,Q55		15.586821	2	25289047.611699
1310390413	Semiconductor	Q57		15.586821	1	46403655.005492
106B504734	Resistor	RT1,RT2,RT3 ,RT4		5.094078	4	41154879.344773
105A507503	Resistor	R1,R519,R52 0,R7,R9		5.094078	5	33504071.051294

**Reliability Prediction  
Summary**

**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1050510034	Resistor	R135,R14,R140,R15,R166,R169,R178,R183,R184,R189,R2,R20,R205,R206,R219,R24,R251,R262,R265,R272,R277,R308,R31,R34,R340,R35,R360,R40,R43,R478,R480,R514,R515,R566,R592,R595,R647,R671,R673,R68,R710,R711,R712,R713,R734,R735,R737,R74,R741,R743,R754,		5.094078	55	3396576.818032

**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
105A501039	Resistor	R103,R112,R127, R132,R136,R139, R145,R16,R160,R165, R171,R177,R188,R19, R190,R204,R21,R212, R213,R214,R215, R216,R218,R220, R221,R23,R259,R27, R28,R282,R284,R297, R303,R305,R310, R317,R318,R33,R351, R361,R364,R371, R374,R375,R385,R39, R390,R397,R398,R4, R		5.094078	116	1635074.180764
1050502224	Resistor	R162,R167,R174, R175,R377,R381, R392,R396,R412, R413,R416,R5,R518, R521,R635,R637, R649,R650		5.094078	18	10016058.918060
1050502234	Resistor	R10,R264,R273,R321, R8		5.094078	5	33504071.051294
105A501003	Resistor	R12,R267,R269		5.094078	3	53510377.493425

**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
105A700009	Resistor	C469,R105,R107, R108,R111,R116, R120,R121,R128, R129,R13,R130,R131, R137,R141,R161, R164,R17,R186,R199, R203,R222,R224, R225,R227,R241, R249,R25,R255,R256, R26,R260,R268,R270, R271,R274,R278, R280,R285,R286, R289,R290,R294, R298,R299,R304, R312,R320,R331,		5.094078	152	1253176.328861
105A566523	Resistor	R126,R134,R228,R36, R37,R64		5.094078	6	28286978.338824
105A523233	Resistor	R38		5.094078	1	141170337.039834
105A504333	Resistor	R341,R42,R522,R523, R524,R525		5.094078	6	28286978.338824
105A504733	Resistor	R45		5.094078	1	141170337.039834
105A702269	Resistor	R106,R180,R283,R47, R585,R587,R589, R593,R602,R603, R617,R631,R85,R94		5.094078	14	12738622.627824

**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
105A700003	Resistor	R144,R181,R182, R313,R329,R48,R586, R594,R600,R601, R613,R615,R629, R632		5.094078	14	12738622.627824
105A521033	Resistor	R254,R49		5.094078	2	77039389.194043
105A507533	Resistor	R326		5.094078	1	141170337.039834
105A532423	Resistor	R101,R168,R198, R616		5.094078	4	41154879.344773
105A502033	Resistor	R122,R125,R191, R332,R438,R482, R531,R534,R67		5.094078	9	19377222.816196
1053500179	Resistor	R543,R72		5.094078	2	77039389.194043
105A500139	Resistor	R102,R234,R430, R433,R469,R535, R536,R545,R549, R556,R557,R562, R564,R565,R572, R583,R584,R640, R642,R644,R648, R718,R726,R727, R728,R732,R77,R79		5.094078	28	6544744.279926
105A510223	Resistor	R96		5.094078	1	141170337.039834
105A506823	Resistor	R100,R110		5.094078	2	77039389.194043
105A531623	Resistor	R109,R209		5.094078	2	77039389.194043
105A543223	Resistor	R113		5.094078	1	141170337.039834
105A506803	Resistor	R114		5.094078	1	141170337.039834
105A531603	Resistor	R115		5.094078	1	141170337.039834
105A501333	Resistor	R123		5.094078	1	141170337.039834
105A503033	Resistor	R124,R439		5.094078	2	77039389.194043
105A562033	Resistor	R138		5.094078	1	141170337.039834
105A561909	Resistor	R146,R147,R148, R149,R150,R151, R152,R153		5.094078	8	21612712.349150

**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1050547004	Resistor	R156,R158,R235, R236,R322,R328, R407,R408,R410, R420		5.094078	10	17539967.439874
105A516223	Resistor	R163		5.094078	1	141170337.039834
105A505133	Resistor	R172,R275,R738		5.094078	3	53510377.493425
105A528723	Resistor	R187,R295		5.094078	2	77039389.194043
105B500279	Resistor	R202,R266		5.094078	2	77039389.194043
105A500103	Resistor	R208		5.094078	1	141170337.039834
105A530123	Resistor	R210,R627		5.094078	2	77039389.194043
105A500233	Resistor	R211,R571		5.094078	2	77039389.194043
105A502733	Resistor	R223,R739		5.094078	2	77039389.194043
1050504724	Resistor	R226,R232		5.094078	2	77039389.194043
105A541233	Resistor	R229		5.094078	1	141170337.039834
1052500171	Resistor	R230		5.094078	1	141170337.039834
105A568033	Resistor	R231,R715		5.094078	2	77039389.194043
105A523263	Resistor	R233		5.094078	1	141170337.039834
105A510003	Resistor	R237,R238,R323, R324		5.094078	4	41154879.344773
105A513323	Resistor	R239		5.094078	1	141170337.039834
105A530133	Resistor	R240,R633		5.094078	2	77039389.194043
105A512033	Resistor	R242		5.094078	1	141170337.039834
105A501233	Resistor	R243,R683,R753		5.094078	3	53510377.493425
105A502003	Resistor	R245,R253		5.094078	2	77039389.194043
105A575033	Resistor	R246		5.094078	1	141170337.039834
1050573264	Resistor	R247,R252,R258, R279		5.094078	4	41154879.344773
1050529464	Resistor	R250		5.094078	1	141170337.039834
1050516204	Resistor	R261		5.094078	1	141170337.039834
105A516963	Resistor	R263		5.094078	1	141170337.039834
1050516234	Resistor	R276		5.094078	1	141170337.039834
1050501054	Resistor	R288,R425,R502, R503,R528,R677, R744		5.094078	7	24495618.982942
105A516933	Resistor	R293		5.094078	1	141170337.039834
105A505933	Resistor	R296		5.094078	1	141170337.039834
105A549933	Resistor	R306		5.094078	1	141170337.039834
105A549963	Resistor	R315,R330,R343, R355,R369		5.094078	5	33504071.051294
1050578724	Resistor	R316,R319		5.094078	2	77039389.194043
105A511523	Resistor	R325		5.094078	1	141170337.039834

**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1050502204	Resistor	R347,R352,R365, R380		5.094078	4	41154879.344773
105A540203	Resistor	R354,R406,R422		5.094078	3	53510377.493425
105A505103	Resistor	R387,R388,R431, R455,R472		5.094078	5	33504071.051294
105A520003	Resistor	R405		5.094078	1	141170337.039834
1050545364	Resistor	R434,R437		5.094078	2	77039389.194043
105A512413	Resistor	R457,R458		5.094078	2	77039389.194043
105A547563	Resistor	R509		5.094078	1	141170337.039834
105A540213	Resistor	R510		5.094078	1	141170337.039834
105A505123	Resistor	R537		5.094078	1	141170337.039834
105A503309	Resistor	R538,R539,R540, R541,R542,R567, R568,R569		5.094078	8	21612712.349150
105A514723	Resistor	R610,R621		5.094078	2	77039389.194043
105A593123	Resistor	R611,R628		5.094078	2	77039389.194043
105A578713	Resistor	R612,R624		5.094078	2	77039389.194043
105A515033	Resistor	R614,R623		5.094078	2	77039389.194043
105A539223	Resistor	R618		5.094078	1	141170337.039834
105A593113	Resistor	R630		5.094078	1	141170337.039834
105A501513	Resistor	R651		5.094078	1	141170337.039834
105A533033	Resistor	R714		5.094078	1	141170337.039834
105A540223	Resistor	R740		5.094078	1	141170337.039834
1651508010	Connection	SIM1		32.369669	1	17842795.680106
16515A2990	Connection	SODIMM1		32.369669	1	17842795.680106
1654901030	Connection	TOUCH1		32.369669	1	17842795.680106
1655905036	Connection	CCD1,CCD2, USB3, USB4,USB6		32.369669	5	4671672.421880
1654801010	Connection	USB5		32.369669	1	17842795.680106
14S5A01400	Integrated Circuit	U3		87.606007	1	5869601.294363
14S2475300	Integrated Circuit	U4		87.606007	1	5869601.294363
14S3112400	Integrated Circuit	U10		87.606007	1	5869601.294363
14S3104500	Integrated Circuit	U12,U15,U16		87.606007	3	2461620.034581
14S3112300	Integrated Circuit	U13		87.606007	1	5869601.294363
1430686102	Integrated Circuit	U14		87.606007	1	5869601.294363
1499406000	Integrated Circuit	U17,U45,U46		87.606007	3	2461620.034581
14S3902500	Integrated Circuit	U19,U23		87.606007	2	3417395.622098
1430732010	Integrated Circuit	U20		87.606007	1	5869601.294363
14S9108500	Integrated Circuit	U21,U54		87.606007	2	3417395.622098
14S3121600	Integrated Circuit	U22		87.606007	1	5869601.294363
1430455200	Integrated Circuit	U27,U28,U40, U41, U42,U43		87.606007	6	1375484.595778

**File Name:** RTC-900B.rfp  
**Assembly:** System  
**Ref Des:**  
**Description:**

**Failure Rate:** 14023.678326  
**MTBF (hrs):** 71,308  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
14S5A00401	Integrated Circuit	U29,U32		87.606007	2	3417395.622098
14S3116500	Integrated Circuit	U30		87.606007	1	5869601.294363
1430651500	Integrated Circuit	U31		87.606007	1	5869601.294363
143S596410	Integrated Circuit	U33		87.606007	1	5869601.294363
1430516040	Integrated Circuit	U34		87.606007	1	5869601.294363
1490083800	Integrated Circuit	U35		87.606007	1	5869601.294363
1430621300	Integrated Circuit	U37		87.606007	1	5869601.294363
14S5A00821	Integrated Circuit	U38		87.606007	1	5869601.294363
149TB01040	Integrated Circuit	U39		87.606007	1	5869601.294363
14S5A03200	Integrated Circuit	U50,U51		87.606007	2	3417395.622098
14S5A00802	Integrated Circuit	U52,U53		87.606007	2	3417395.622098
14S5A00704	Integrated Circuit	U58,U59		87.606007	2	3417395.622098
1410023060	Integrated Circuit	U60		87.606007	1	5869601.294363
143ALC8920	Integrated Circuit	U62		87.606007	1	5869601.294363
1440000010	Integrated Circuit	U63		87.606007	1	5869601.294363
1440PN5440	Integrated Circuit	U66		87.606007	1	5869601.294363
14S5904501	Integrated Circuit	U67,U68,U81		87.606007	3	2461620.034581
143AZC1990	Integrated Circuit	U69		87.606007	1	5869601.294363
14S9346000	Integrated Circuit	U72		87.606007	1	5869601.294363
14S4251402	Integrated Circuit	U75,U83		87.606007	2	3417395.622098
142BMC1500	Integrated Circuit	U76		87.606007	1	5869601.294363
142BMG1600	Integrated Circuit	U77		87.606007	1	5869601.294363
142BMP2800	Integrated Circuit	U78		87.606007	1	5869601.294363
14S3010700	Integrated Circuit	U82		87.606007	1	5869601.294363
1231332722	Miscellaneous	Y3,Y4,Y6		38.400000	3	2871252.369068
123132505D	Miscellaneous	Y5		38.400000	1	11922131.385470
1231271240	Miscellaneous	Y7		38.400000	1	11922131.385470
1231324054	Miscellaneous	Y10,Y9		38.400000	2	4427025.876098
14S4963502	Integrated Circuit	U36		87.606007	1	5869601.294363
1214309008	Inductor	CH1,CH12,C H17,CH2, CH3,CH6,CH 7,CH8, CH9		9.888503	9	10221921.225524
14900104R1	Integrated Circuit	U55,U56,U57		87.606007	3	2461620.034581
1050700002	Resistor	R758		5.094078	1	141170337.039834
1655804130	Connection	CN4		32.369669	1	17842795.680106
1440E38450	Integrated Circuit	U71		87.606007	1	5869601.294363
11E1522680	Capacitor	C611		2.257612	1	352488822.346144
143117ADJ0	Integrated Circuit	U11		87.606007	1	5869601.294363
1462900B00	Integrated Circuit	U44		87.606007	1	5869601.294363
14S6206403	Integrated Circuit			87.606007	1	5869601.294363
14E0900B00	Integrated Circuit	U79		87.606007	1	5869601.294363
14S6216060	Integrated Circuit			87.606007	1	5869601.294363
11EA610040	Capacitor	C566		2.257612	1	352488822.346144