

Report NO : 22UP070007

# UPX-ADLP01

## Reliability Prediction Report (MTBF)

|         |                                                  |
|---------|--------------------------------------------------|
| Summary | Failure Rate: 2761.912539<br>MTBF: 362,068 Hours |
|---------|--------------------------------------------------|

Issue date

2022-08-17

Supervisor

Rex Chang

Test Engineer

Louie Lee

# Reliability Prediction (MTBF)

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**I . Model Name:** UPX-ADLP01

**II . Prediction Date:** August. 17th, 2022

**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 (SR-332) 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:**

UPX-ADLP01 (M/B: 9697UPAD04-D):

- Failure Rate: 2761.912539
- MTBF: 362,068 Hours

**File Name:** UPX-ADLP01.rfp

**Duty Cycle:** 100

**Calculation Model:** Telcordia Issue 2

**Method:** Method I Case 3

**Failure Rate:** 2761.912539

**MTBF (hrs):** 362,068

**Temperature:** 30

**Environment:** GF, GU - Ground Fixed, Uncontrolled

| Assembly Name | Part Number  | Ref Des | Quantity | Failure Rate | MTBF    |
|---------------|--------------|---------|----------|--------------|---------|
| UPX-ADLP01    | 9697UPAD04-D |         | 1        | 2761.912539  | 362,068 |

**File Name:** UPX-ADLP01.rfp  
**Assembly:** 9697UPAD04-D  
**Ref Des:**  
**Description:**

**Failure Rate:** 2761.912539  
**MTBF (hrs):** 362,068  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

| Part Number | Category | Ref Des                                                                   | Tem.Rise | Unit Failure Rate | Quantity | MTBF,Unit        |
|-------------|----------|---------------------------------------------------------------------------|----------|-------------------|----------|------------------|
| 1050501054  | Resistor | R214,R314,R315,<br>R340,R735,R736                                         |          | 0.849013          | 6        | 169721870.032947 |
| 1050501514  | Resistor | R10,R174,R200,R202,<br>R553,R558,R559,<br>R585,R588,R589,R9               |          | 0.849013          | 11       | 96149089.156414  |
| 1050502004  | Resistor | R845,R847                                                                 |          | 0.849013          | 2        | 462236335.164256 |
| 1050502224  | Resistor | R172,R173,R428,<br>R429,R432,R434,<br>R611,R7                             |          | 0.849013          | 8        | 129676274.094900 |
| 1050502234  | Resistor | R584,R615,R616, R618                                                      |          | 0.849013          | 4        | 246929276.068637 |
| 1050502734  | Resistor | R911                                                                      |          | 0.849013          | 1        | 847022022.239005 |
| 1050503334  | Resistor | R419                                                                      |          | 0.849013          | 1        | 847022022.239005 |
| 1050503634  | Resistor | R751                                                                      |          | 0.849013          | 1        | 847022022.239005 |
| 1050503934  | Resistor | R775                                                                      |          | 0.849013          | 1        | 847022022.239005 |
| 1050504724  | Resistor | R5,R51,R57, R655,<br>R662,R668                                            |          | 0.849013          | 6        | 169721870.032947 |
| 1050505124  | Resistor | R620                                                                      |          | 0.849013          | 1        | 847022022.239005 |
| 1050505134  | Resistor | R726,R768,R777                                                            |          | 0.849013          | 3        | 321062264.960549 |
| 1050505164  | Resistor | R801                                                                      |          | 0.849013          | 1        | 847022022.239005 |
| 1050505604  | Resistor | R236                                                                      |          | 0.849013          | 1        | 847022022.239005 |
| 1050507524  | Resistor | R757                                                                      |          | 0.849013          | 1        | 847022022.239005 |
| 1050507530  | Resistor | R302,R485,R486,R50,<br>R52,R64                                            |          | 0.849013          | 6        | 169721870.032947 |
| 1050508224  | Resistor | R218                                                                      |          | 0.849013          | 1        | 847022022.239005 |
| 1050510004  | Resistor | R16,R195,R234,R367,<br>R609,R72,R73,R738,<br>R806,R811,R826,<br>R830,R831 |          | 0.849013          | 13       | 82027715.764084  |
| 1050510014  | Resistor | R112,R212,R223,<br>R249,R251,R253,<br>R255,R259,R550,<br>R612,R651,R90    |          | 0.849013          | 12       | 88521251.248203  |

**File Name:** UPX-ADLP01.rfp  
**Assembly:** 9697UPAD04-D  
**Ref Des:**  
**Description:**

**Failure Rate:** 2761.912539  
**MTBF (hrs):** 362,068  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

| Part Number | Category | Ref Des                                                                 | Tem.Rise | Unit Failure Rate | Quantity | MTBF,Unit        |
|-------------|----------|-------------------------------------------------------------------------|----------|-------------------|----------|------------------|
| 1050510024  | Resistor | R197,R198,R646,<br>R649,R783,R805, R961                                 |          | 0.849013          | 7        | 146973713.897655 |
| 1050510034  | Resistor | R317,R318,R321,<br>R399,R413,R427,<br>R554,R556,R740,<br>R741,R791      |          | 0.849013          | 11       | 96149089.156414  |
| 1050511304  | Resistor | R196                                                                    |          | 0.849013          | 1        | 847022022.239005 |
| 1050515034  | Resistor | R717                                                                    |          | 0.849013          | 1        | 847022022.239005 |
| 1050518034  | Resistor | R772,R787                                                               |          | 0.849013          | 2        | 462236335.164256 |
| 1050520004  | Resistor | R129,R145,R583                                                          |          | 0.849013          | 3        | 321062264.960549 |
| 1050520034  | Resistor | R191,R311,R417,<br>R686,R687,R789                                       |          | 0.849013          | 6        | 169721870.032947 |
| 1050520044  | Resistor | R633                                                                    |          | 0.849013          | 1        | 847022022.239005 |
| 1050524004  | Resistor | R266,R267,R268, R269                                                    |          | 0.849013          | 4        | 246929276.068637 |
| 1050530034  | Resistor | R786                                                                    |          | 0.849013          | 1        | 847022022.239005 |
| 1050533034  | Resistor | R809                                                                    |          | 0.849013          | 1        | 847022022.239005 |
| 1050533064  | Resistor | R118,R119,R121,<br>R124,R36,R38,R40,<br>R41,R42,R625,R656,<br>R874,R948 |          | 0.849013          | 13       | 82027715.764084  |
| 1050533214  | Resistor | R407,R408                                                               |          | 0.849013          | 2        | 462236335.164256 |
| 1050545364  | Resistor | R828                                                                    |          | 0.849013          | 1        | 847022022.239005 |
| 1050547004  | Resistor | R758                                                                    |          | 0.849013          | 1        | 847022022.239005 |
| 1050549904  | Resistor | R17,R18,R79,R869,<br>R880,R885,R941, R942                               |          | 0.849013          | 8        | 129676274.094900 |
| 1050549924  | Resistor | R159,R160,R412                                                          |          | 0.849013          | 3        | 321062264.960549 |
| 1050549964  | Resistor | R257,R75,R83,R843,<br>R851,R856,R857,<br>R858,R860                      |          | 0.849013          | 9        | 116263336.897173 |
| 1050551034  | Resistor | R734,R807,R810                                                          |          | 0.849013          | 3        | 321062264.960549 |
| 1050568124  | Resistor | R706,R721,R729, R737                                                    |          | 0.849013          | 4        | 246929276.068637 |

**File Name:** UPX-ADLP01.rfp**Assembly:** 9697UPAD04-D**Ref Des:****Description:****Failure Rate:** 2761.912539**MTBF (hrs):** 362,068**Temperature:** 30**Environment:** GF, GU - Ground Fixed, Uncontrolled

| Part Number | Category | Ref Des                                                                                                                                                                                                                                           | Tem.Rise | Unit Failure Rate | Quantity | MTBF,Unit        |
|-------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------|----------|------------------|
| 1050700004  | Resistor | R15,R184,R187,R189,R192,R199,R208,R211,R222,R237,R238,R239,R240,R242,R246,R247,R280,R285,R287,R307,R316,R346,R352,R400,R404,R409,R418,R424,R425,R426,R43,R45,R46,R472,R474,R476,R478,R482,R483,R487,R488,R489,R491,R492,R493,R499,R500,R501, R503 |          | 0.849013          | 155      | 7375655.633180   |
| 1050701004  | Resistor | R743                                                                                                                                                                                                                                              |          | 0.849013          | 1        | 847022022.239005 |

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**Ref Des:**  
**Description:**

**Failure Rate:** 2761.912539  
**MTBF (hrs):** 362,068  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

| Part Number | Category | Ref Des                                                                                                                                                                                                                                                                                                      | Tem.Rise | Unit Failure Rate | Quantity | MTBF,Unit        |
|-------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------|----------|------------------|
| 1050701034  | Resistor | R175,R176,R177,<br>R178,R179,R180,<br>R182,R183,R213,<br>R217,R219,R221,<br>R231,R245,R262,<br>R263,R264,R265,<br>R278,R430,R436,<br>R470,R471,R479,<br>R484,R594,R596,<br>R600,R606,R654,<br>R658,R659,R660,<br>R664,R665,R666,<br>R720,R724,R746,<br>R781,R782,R790,<br>R841,R889,R893,<br>R897,R901,R904, |          | 0.849013          | 52       | 21525587.844391  |
| 1050701044  | Resistor | R11,R20,R216,R224,<br>R225,R227,R228,<br>R229,R230,R288,<br>R341,R728,R730,<br>R731,R732,R733,<br>R747,R779,R8,R803,<br>R818,R819,R821,<br>R822,R823,R825,<br>R827,R962,R963                                                                                                                                 |          | 0.849013          | 29       | 37958280.829505  |
| 1050704304  | Resistor | R78                                                                                                                                                                                                                                                                                                          |          | 0.849013          | 1        | 847022022.239005 |
| 1050708234  | Resistor | R767,R776                                                                                                                                                                                                                                                                                                    |          | 0.849013          | 2        | 462236335.164256 |



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**Ref Des:**  
**Description:**

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**MTBF (hrs):** 362,068  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

| Part Number | Category | Ref Des                                                                                              | Tem.Rise | Unit Failure Rate | Quantity | MTBF,Unit        |
|-------------|----------|------------------------------------------------------------------------------------------------------|----------|-------------------|----------|------------------|
| 1050710014  | Resistor | R154,R155,R162,<br>R168,R169,R188,R19,<br>R21,R215,R220,R497,<br>R498,R509,R510,R67,<br>R69,R71,R937 |          | 0.849013          | 18       | 60096353.508359  |
| 1050747014  | Resistor | R541,R607,R634,<br>R635,R848,R916,<br>R921,R922,R924,<br>R925,R927,R928                              |          | 0.849013          | 12       | 88521251.248203  |
| 1050756004  | Resistor | R915                                                                                                 |          | 0.849013          | 1        | 847022022.239005 |
| 1059700001  | Resistor | R411,R494,R506, R560                                                                                 |          | 0.849013          | 4        | 246929276.068637 |
| 105A447510  | Resistor | R387                                                                                                 |          | 0.849013          | 1        | 847022022.239005 |
| 105A500133  | Resistor | R886,R888                                                                                            |          | 0.849013          | 2        | 462236335.164256 |
| 105A501139  | Resistor | R764                                                                                                 |          | 0.849013          | 1        | 847022022.239005 |
| 105A502039  | Resistor | R13,R2,R4,R617,<br>R619,R653,R766                                                                    |          | 0.849013          | 7        | 146973713.897655 |
| 105A502263  | Resistor | R750                                                                                                 |          | 0.849013          | 1        | 847022022.239005 |
| 105A503363  | Resistor | R867,R871,R877, R882                                                                                 |          | 0.849013          | 4        | 246929276.068637 |
| 105A505109  | Resistor | R70,R77,R87                                                                                          |          | 0.849013          | 3        | 321062264.960549 |
| 105A506829  | Resistor | R300                                                                                                 |          | 0.849013          | 1        | 847022022.239005 |
| 105A507509  | Resistor | R613,R614,R849                                                                                       |          | 0.849013          | 3        | 321062264.960549 |
| 105A523239  | Resistor | R802                                                                                                 |          | 0.849013          | 1        | 847022022.239005 |
| 105A530113  | Resistor | R551                                                                                                 |          | 0.849013          | 1        | 847022022.239005 |
| 105A560469  | Resistor | R181,R210                                                                                            |          | 0.849013          | 2        | 462236335.164256 |
| 105A593103  | Resistor | R749                                                                                                 |          | 0.849013          | 1        | 847022022.239005 |
| 105A700003  | Resistor | R241,R361,R362,<br>R759,R769,R778, R804                                                              |          | 0.849013          | 7        | 146973713.897655 |
| 105A701059  | Resistor | R774,R780                                                                                            |          | 0.849013          | 2        | 462236335.164256 |
| 105A701069  | Resistor | R185                                                                                                 |          | 0.849013          | 1        | 847022022.239005 |
| 105A702039  | Resistor | R117,R186,R190,R63                                                                                   |          | 0.849013          | 4        | 246929276.068637 |

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**Ref Des:**  
**Description:**

**Failure Rate:** 2761.912539  
**MTBF (hrs):** 362,068  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

| Part Number | Category | Ref Des                                                                                                                                                                                                                                                                                                   | Tem.Rise | Unit Failure Rate | Quantity | MTBF,Unit        |
|-------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------|----------|------------------|
| 105A702229  | Resistor | R100,R107,R110,<br>R161,R167,R171,<br>R283,R284,R323,<br>R324,R405,R406,<br>R670,R671,R672,<br>R673,R680,R681,<br>R682,R902,R934                                                                                                                                                                          |          | 0.849013          | 21       | 51824835.228185  |
| 105A703309  | Resistor | R574,R576,R578, R580                                                                                                                                                                                                                                                                                      |          | 0.849013          | 4        | 246929276.068637 |
| 105A703909  | Resistor | R477,R480                                                                                                                                                                                                                                                                                                 |          | 0.849013          | 2        | 462236335.164256 |
| 105A704739  | Resistor | R205                                                                                                                                                                                                                                                                                                      |          | 0.849013          | 1        | 847022022.239005 |
| 105A747009  | Resistor | R14,R402,R817,R892,<br>R896,R900,R903, R984                                                                                                                                                                                                                                                               |          | 0.849013          | 8        | 129676274.094900 |
| 105B700009  | Resistor | R120,R122,R123,<br>R125,R126,R131,<br>R133,R134,R136,<br>R138,R139,R142,<br>R144,R146,R147,<br>R149,R150,R151,R24,<br>R25,R29,R30,R34,<br>R35,R37,R370,R371,<br>R372,R373,R375,<br>R376,R377,R378,<br>R379,R380,R381,<br>R384,R385,R386,R39,<br>R415,R416,R431,<br>R439,R44,R441,R442,<br>R443,R444,R445, |          | 0.849013          | 93       | 12188533.856958  |

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**Description:**

**Failure Rate:** 2761.912539  
**MTBF (hrs):** 362,068  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

| Part Number | Category | Ref Des                                                                                                                                                                                                                                                  | Tem.Rise | Unit Failure Rate | Quantity | MTBF,Unit        |
|-------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------|----------|------------------|
| 105B701039  | Resistor | R298,R299,R304,<br>R309,R333,R334,<br>R335,R336,R363,<br>R364,R365,R366,<br>R382,R383,R390,<br>R391,R393,R395,<br>R421,R446,R447,<br>R448,R451,R524,<br>R531,R562,R563,<br>R564,R579,R581,<br>R586,R587,R590,<br>R591,R592,R593,<br>R678,R930,R931, R932 |          | 0.849013          | 40       | 27789762.457454  |
| 105B702205  | Resistor | R684                                                                                                                                                                                                                                                     |          | 0.849013          | 1        | 847022022.239005 |
| 105B703309  | Resistor | R270,R271,R273,<br>R275,R276,R277,<br>R534,R535,R536,<br>R602,R603,R604                                                                                                                                                                                  |          | 0.849013          | 12       | 88521251.248203  |
| 105B710039  | Resistor | R337,R342,R343,<br>R679,R683,R694,<br>R695,R703                                                                                                                                                                                                          |          | 0.849013          | 8        | 129676274.094900 |
| 105B733019  | Resistor | R572,R573,R575, R577                                                                                                                                                                                                                                     |          | 0.849013          | 4        | 246929276.068637 |
| 105X000016  | Resistor | R799                                                                                                                                                                                                                                                     |          | 0.849013          | 1        | 847022022.239005 |
| 105X000034  | Resistor | R761                                                                                                                                                                                                                                                     |          | 0.849013          | 1        | 847022022.239005 |
| 105X000035  | Resistor | R452,R453,R456,<br>R457,R460,R461,<br>R464,R465                                                                                                                                                                                                          |          | 0.849013          | 8        | 129676274.094900 |

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Assembly: 9697UPAD04-D

Ref Des:

Description:

Failure Rate: 2761.912539

MTBF (hrs): 362,068

Temperature: 30

Environment: GF, GU - Ground Fixed, Uncontrolled

| Part Number | Category  | Ref Des                                                                                                                                                                             | Tem.Rise | Unit Failure Rate | Quantity | MTBF,Unit         |
|-------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------|----------|-------------------|
| 105X000036  | Resistor  | R454,R455,R458,<br>R459,R462,R463,<br>R466,R467                                                                                                                                     |          | 0.849013          | 8        | 129676274.094900  |
| 105X000052  | Resistor  | R22,R23,R26<br>,R27, R28                                                                                                                                                            |          | 0.849013          | 5        | 201024426.307764  |
| 106B500144  | Resistor  | RT1,RT2                                                                                                                                                                             |          | 2.574860          | 2        | 115789852.304312  |
| 1121501690  | Capacitor | C11,C264,C272,C286,<br>C295,C300,C380,<br>C381,C387,C388,<br>C391,C422,C423,<br>C432,C433,C443,<br>C463,C464,C469,<br>C502,C506,C527,<br>C529,C530,C538,<br>C539,C542,C545, C765,C9 |          | 0.376269          | 30       | 84723607.522839   |
| 1124368690  | Capacitor | C6,C8                                                                                                                                                                               |          | 0.376269          | 2        | 1125869193.228148 |
| 1124410190  | Capacitor | C28,C375,C376,C486,<br>C491,C492,C512,<br>C513,C79                                                                                                                                  |          | 0.376269          | 9        | 272590284.242838  |
| 1124418090  | Capacitor | C2,C3,C319,<br>C331,<br>C332,C339,C440                                                                                                                                              |          | 0.376269          | 7        | 346901597.314283  |
| 1124433090  | Capacitor | C258                                                                                                                                                                                |          | 0.376269          | 1        | 2114932934.076862 |
| 1124433690  | Capacitor | C31,C436,C441,C74,<br>C76,C78,C82                                                                                                                                                   |          | 0.376269          | 7        | 346901597.314283  |
| 1124522190  | Capacitor | C353,C358,C581, C598                                                                                                                                                                |          | 0.376269          | 4        | 590620153.232529  |
| 1124522680  | Capacitor | C638                                                                                                                                                                                |          | 0.376269          | 1        | 2114932934.076862 |

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Description:

Failure Rate: 2761.912539

MTBF (hrs): 362,068

Temperature: 30

Environment: GF, GU - Ground Fixed, Uncontrolled

| Part Number | Category  | Ref Des                                                                                                                                                                                                 | Tem.Rise | Unit Failure Rate | Quantity | MTBF,Unit         |
|-------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------|----------|-------------------|
| 1129522790  | Capacitor | C298,C299,C304,<br>C305,C306,C307,<br>C366,C368,C370,<br>C372,C389,C390,<br>C396,C397,C398,<br>C399,C400,C401,<br>C402,C403,C411,<br>C412,C413,C414,<br>C415,C416,C417,<br>C421,C426,C427,<br>C428,C429 |          | 0.376269          | 32       | 79538589.859617   |
| 1129622690  | Capacitor | C102,C309,C310,<br>C311,C312,C315,<br>C316,C317,C320,<br>C333,C334,C335,<br>C345,C363,C476,<br>C609,C753                                                                                                |          | 0.376269          | 17       | 147399909.221434  |
| 1129701790  | Capacitor | C248,C457                                                                                                                                                                                               |          | 0.376269          | 2        | 1125869193.228148 |
| 1129747090  | Capacitor | C552                                                                                                                                                                                                    |          | 0.376269          | 1        | 2114932934.076862 |
| 1181610185  | Capacitor | C560,C561,C562,<br>C676,C677,C705, C721                                                                                                                                                                 |          | 1.581495          | 7        | 80849183.123774   |
| 1189610151  | Capacitor | C489,C490                                                                                                                                                                                               |          | 1.581495          | 2        | 258148352.242493  |
| 1189615154  | Capacitor | C296,C302                                                                                                                                                                                               |          | 1.581495          | 2        | 258148352.242493  |
| 118A6221B0  | Capacitor | C430,C434                                                                                                                                                                                               |          | 1.581495          | 2        | 258148352.242493  |
| 118C6331B2  | Capacitor | C683,C684,C685,<br>C695,C696,C711,<br>C712,C713,C714,<br>C725,C726,C727                                                                                                                                 |          | 1.581495          | 12       | 48361186.636712   |
| 118X000020  | Capacitor | C555                                                                                                                                                                                                    |          | 1.581495          | 1        | 478989080.145412  |

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Assembly: 9697UPAD04-D

Ref Des:

Description:

Failure Rate: 2761.912539

MTBF (hrs): 362,068

Temperature: 30

Environment: GF, GU - Ground Fixed, Uncontrolled

| Part Number | Category  | Ref Des                                                                                                                     | Tem.Rise | Unit Failure Rate | Quantity | MTBF,Unit         |
|-------------|-----------|-----------------------------------------------------------------------------------------------------------------------------|----------|-------------------|----------|-------------------|
| 11A2410051  | Capacitor | C122,C123,C124,<br>C125,C126,C127, C438                                                                                     |          | 0.376269          | 7        | 346901597.314283  |
| 11A4310041  | Capacitor | C505                                                                                                                        |          | 0.376269          | 1        | 2114932934.076862 |
| 11A4312041  | Capacitor | C147,C148,C151,<br>C152,C174,C175,<br>C178,C179,C201,<br>C202,C205,C206,<br>C228,C229,C232,<br>C233,C451,C455,<br>C474,C475 |          | 0.376269          | 20       | 125851224.102495  |
| 11A4415041  | Capacitor | C29,C73,C75,C77, C80                                                                                                        |          | 0.376269          | 5        | 478102470.597799  |
| 11A4439040  | Capacitor | C437                                                                                                                        |          | 0.376269          | 1        | 2114932934.076862 |
| 11A4447190  | Capacitor | C611                                                                                                                        |          | 0.376269          | 1        | 2114932934.076862 |
| 11A4922690  | Capacitor | C149,C150,C153,<br>C154,C176,C177,<br>C180,C181,C203,<br>C204,C207,C208,<br>C230,C231,C234, C235                            |          | 0.376269          | 16       | 156337442.408784  |
| 11AX000045  | Capacitor | C365,C367,C369, C371                                                                                                        |          | 0.376269          | 4        | 590620153.232529  |
| 11C1547890  | Capacitor | C585,C603                                                                                                                   |          | 0.376269          | 2        | 1125869193.228148 |
| 11C2410390  | Capacitor | C571                                                                                                                        |          | 0.376269          | 1        | 2114932934.076862 |
| 11C4510480  | Capacitor | C557,C670,C686,<br>C699,C715                                                                                                |          | 0.376269          | 5        | 478102470.597799  |
| 11C4515290  | Capacitor | C287                                                                                                                        |          | 0.376269          | 1        | 2114932934.076862 |
| 11C4522240  | Capacitor | C570                                                                                                                        |          | 0.376269          | 1        | 2114932934.076862 |
| 11C4533240  | Capacitor | C657,C662,C663                                                                                                              |          | 0.376269          | 3        | 772542517.059210  |

File Name: UPX-ADLP01.rfp

Assembly: 9697UPAD04-D

Ref Des:

Description:

Failure Rate: 2761.912539

MTBF (hrs): 362,068

Temperature: 30

Environment: GF, GU - Ground Fixed, Uncontrolled

| Part Number | Category  | Ref Des                                                                                                                                                                                                                                                                                   | Tem.Rise | Unit Failure Rate | Quantity | MTBF,Unit         |
|-------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------|----------|-------------------|
| 11C4547141  | Capacitor | C531,C667,C668, C669                                                                                                                                                                                                                                                                      |          | 0.376269          | 4        | 590620153.232529  |
| 11C4547240  | Capacitor | C573                                                                                                                                                                                                                                                                                      |          | 0.376269          | 1        | 2114932934.076862 |
| 11C5501530  | Capacitor | C556,C751                                                                                                                                                                                                                                                                                 |          | 0.376269          | 2        | 1125869193.228148 |
| 11C5510230  | Capacitor | C568                                                                                                                                                                                                                                                                                      |          | 0.376269          | 1        | 2114932934.076862 |
| 11C5510430  | Capacitor | C569                                                                                                                                                                                                                                                                                      |          | 0.376269          | 1        | 2114932934.076862 |
| 11C5547660  | Capacitor | C553,C554                                                                                                                                                                                                                                                                                 |          | 0.376269          | 2        | 1125869193.228148 |
| 11C9510490  | Capacitor | C237,C239,C240, C241,C242,C243, C244,C245,C247, C249,C250,C251, C252,C253,C254, C255,C259,C260, C291,C341,C343, C362,C364,C448, C454,C479,C480, C508,C547,C548, C549,C610,C616, C647,C648,C649, C651,C653,C678, C679,C692,C693, C706,C707,C722, C723,C731,C737, C288,C289,C290, C293,C515 |          | 0.376269          | 55       | 46746175.226335   |
| 11CB510350  | Capacitor | C288,C289,C290, C293,C515                                                                                                                                                                                                                                                                 |          | 0.376269          | 5        | 478102470.597799  |

File Name: UPX-ADLP01.rfp

Assembly: 9697UPAD04-D

Ref Des:

Description:

Failure Rate: 2761.912539

MTBF (hrs): 362,068

Temperature: 30

Environment: GF, GU - Ground Fixed, Uncontrolled

| Part Number | Category  | Ref Des                                                                                                                                                                      | Tem.Rise | Unit Failure Rate | Quantity | MTBF,Unit         |
|-------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------|----------|-------------------|
| 11E1501040  | Capacitor | C273,C297,C303,<br>C352,C4,C442,C450,<br>C456,C487,C488,<br>C497,C498,C499,C5,<br>C503,C7                                                                                    |          | 0.376269          | 16       | 156337442.408784  |
| 11E1547631  | Capacitor | C558,C559                                                                                                                                                                    |          | 0.376269          | 2        | 1125869193.228148 |
| 11E2501040  | Capacitor | C346,C482,C572                                                                                                                                                               |          | 0.376269          | 3        | 772542517.059210  |
| 11E2501690  | Capacitor | C458,C477,C481,<br>C483,C516,C517,<br>C518,C520,C521,<br>C522,C523,C524,<br>C579,C580,C590,<br>C596,C597,C633,<br>C645,C646,C666,<br>C671,C687,C700,<br>C716,C735,C758, C759 |          | 0.376269          | 28       | 90636482.926706   |
| 11E2610032  | Capacitor | C284,C564,C565,<br>C566,C613,C672,<br>C688,C701,C717,<br>C730,C733,C736                                                                                                      |          | 0.376269          | 12       | 206570811.903534  |



**File Name:** UPX-ADLP01.rfp  
**Assembly:** 9697UPAD04-D  
**Ref Des:**  
**Description:**

**Failure Rate:** 2761.912539  
**MTBF (hrs):** 362,068  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

| Part Number | Category  | Ref Des                                                                                                                                                                                                                                                                                                      | Tem.Rise | Unit Failure Rate | Quantity | MTBF,Unit         |
|-------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------|----------|-------------------|
| 11E2622011  | Capacitor | C575,C576,C577,<br>C578,C592,C593,<br>C594,C595,C631,<br>C632,C673,C674,<br>C675,C689,C690,<br>C691,C702,C703,<br>C704,C718,C719,<br>C720,C732                                                                                                                                                               |          | 0.376269          | 23       | 109828155.527500  |
| 11E4982641  | Capacitor | C439                                                                                                                                                                                                                                                                                                         |          | 0.376269          | 1        | 2114932934.076862 |
| 11E9510490  | Capacitor | C100,C117,C261,<br>C262,C263,C265,<br>C266,C267,C268,<br>C269,C270,C271,<br>C274,C275,C276,<br>C277,C278,C279,<br>C280,C281,C282,<br>C283,C30,C392,C393,<br>C404,C405,C407,<br>C408,C418,C419,<br>C444,C445,C446,<br>C447,C467,C468,<br>C472,C473,C507,<br>C509,C510,C511,<br>C532,C533,C534,<br>C535,C621,C |          | 0.376269          | 49       | 52368695.670673   |

File Name: UPX-ADLP01.rfp

Assembly: 9697UPAD04-D

Ref Des:

Description:

Failure Rate: 2761.912539

MTBF (hrs): 362,068

Temperature: 30

Environment: GF, GU - Ground Fixed, Uncontrolled

| Part Number | Category  | Ref Des                                                                                                                                                                                                                                                                                                      | Tem.Rise | Unit Failure Rate | Quantity | MTBF,Unit        |
|-------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------|----------|------------------|
| 11E9622080  | Capacitor | C617,C618,C619,<br>C620,C634,C635,<br>C636,C637,C639,<br>C642,C643,C681,<br>C682,C697,C698,<br>C709,C710,C728,<br>C729,C760                                                                                                                                                                                  |          | 0.376269          | 20       | 125851224.102495 |
| 11E9647690  | Capacitor | C109,C536,C537,<br>C540,C541,C543, C544                                                                                                                                                                                                                                                                      |          | 0.376269          | 7        | 346901597.314283 |
| 11EA501050  | Capacitor | C101,C111,C118,<br>C119,C120,C121,<br>C128,C129,C130,<br>C131,C132,C133,<br>C135,C136,C137,<br>C138,C139,C140,<br>C142,C143,C144,<br>C145,C155,C156,<br>C157,C158,C159,<br>C160,C162,C163,<br>C164,C165,C166,<br>C167,C169,C170,<br>C171,C172,C182,<br>C183,C184,C185,<br>C186,C187,C189,<br>C190,C191,C192, |          | 0.376269          | 77       | 33559524.313181  |

**File Name:** UPX-ADLP01.rfp  
**Assembly:** 9697UPAD04-D  
**Ref Des:**  
**Description:**

**Failure Rate:** 2761.912539  
**MTBF (hrs):** 362,068  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

| Part Number | Category  | Ref Des                                                                                                                                                                                                                                                                                                      | Tem.Rise | Unit Failure Rate | Quantity | MTBF,Unit       |
|-------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------|----------|-----------------|
| 11EA610040  | Capacitor | C103,C104,C105,<br>C106,C107,C108,<br>C134,C141,C146,<br>C161,C168,C173,<br>C188,C195,C200,<br>C215,C222,C227,<br>C238,C246,C256,<br>C257,C308,C314,<br>C340,C394,C406,<br>C409,C420,C424,<br>C425,C462,C471,<br>C501,C62,C63,C64,<br>C65,C650,C652,C66,<br>C664,C67,C68,C69,<br>C70,C71,C72,C741,<br>C746,C |          | 0.376269          | 56       | 45924849.060559 |
| 11EA622040  | Capacitor | C20,C21,C22,C23,<br>C24,C25,C26,C27,<br>C342,C395,C410,C42,<br>C43,C44,C449,C45,<br>C453,C459,C46,C460,<br>C461,C465,C466,C47,<br>C470,C48,C49,C54,<br>C55,C56,C57,C58,<br>C59,C60,C61,C743, C749                                                                                                            |          | 0.376269          | 37       | 68994517.896904 |

**File Name:** UPX-ADLP01.rfp  
**Assembly:** 9697UPAD04-D  
**Ref Des:**  
**Description:**

**Failure Rate:** 2761.912539  
**MTBF (hrs):** 362,068  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

| Part Number | Category  | Ref Des                                                                                                                                                                      | Tem.Rise | Unit Failure Rate | Quantity | MTBF,Unit        |
|-------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------|----------|------------------|
| 11EA647030  | Capacitor | C113,C115,C12,C13,C14,C15,C16,C17,C18,C19,C318,C321,C322,C33,C34,C35,C36,C37,C38,C39,C40,C41,C599,C600,C601,C602,C606,C607,C630,C761,C83,C85,C86,C87,C88,C89,C90,C91,C92,C93 |          | 0.376269          | 40       | 63916358.473932  |
| 11EA922491  | Capacitor | C323,C324,C325,C326,C327,C328,C329,C330                                                                                                                                      |          | 0.376269          | 8        | 305240280.106194 |
| 11EB501040  | Capacitor | C373,C374,C478,C519,C525,C546,C665,C680,C694,C708,C724                                                                                                                       |          | 0.376269          | 11       | 224677749.839387 |
| 11EB610041  | Capacitor | C350,C354,C355,C356,C357,C359,C360,C452,C493,C494,C495,C496,C504,C526,C528                                                                                                   |          | 0.376269          | 15       | 166438970.534623 |
| 11EB610050  | Capacitor | C614,C615,C629,C641,C644                                                                                                                                                     |          | 0.376269          | 5        | 478102470.597799 |

**File Name:** UPX-ADLP01.rfp  
**Assembly:** 9697UPAD04-D  
**Ref Des:**  
**Description:**

**Failure Rate:** 2761.912539  
**MTBF (hrs):** 362,068  
**Temperature:** 30  
**Environment:** GF, GU - Ground Fixed, Uncontrolled

| Part Number | Category  | Ref Des                                                                                                                     | Tem.Rise | Unit Failure Rate | Quantity | MTBF,Unit        |
|-------------|-----------|-----------------------------------------------------------------------------------------------------------------------------|----------|-------------------|----------|------------------|
| 11EB622030  | Capacitor | C285,C292,C294,<br>C301,C347,C348,<br>C349,C379,C382,<br>C383,C384,C385,<br>C386,C582,C583,<br>C584,C587,C588,<br>C589,C738 |          | 0.376269          | 20       | 125851224.102495 |
| 11EB647640  | Capacitor | C351,C361,C484,<br>C485,C591,C608                                                                                           |          | 0.376269          | 6        | 401939175.169025 |
| 1211003390  | Inductor  | L5                                                                                                                          |          | 1.648084          | 1        | 464282892.430380 |
| 121110476V  | Inductor  | L3                                                                                                                          |          | 1.648084          | 1        | 464282892.430380 |
| 1211106874  | Inductor  | L7                                                                                                                          |          | 1.648084          | 1        | 464282892.430380 |
| 1211106876  | Inductor  | L2                                                                                                                          |          | 1.648084          | 1        | 464282892.430380 |
| 1211106879  | Inductor  | L10                                                                                                                         |          | 1.648084          | 1        | 464282892.430380 |
| 121111007B  | Inductor  | L4                                                                                                                          |          | 1.648084          | 1        | 464282892.430380 |
| 121111007E  | Inductor  | L8                                                                                                                          |          | 1.648084          | 1        | 464282892.430380 |
| 1211X00049  | Inductor  | L6                                                                                                                          |          | 1.648084          | 1        | 464282892.430380 |
| 1211X00064  | Inductor  | L11,L12,L13,<br>L14                                                                                                         |          | 1.648084          | 4        | 131738617.274324 |
| 1211X00100  | Inductor  | L9                                                                                                                          |          | 1.648084          | 1        | 464282892.430380 |
| 121230603N  | Inductor  | FB4,FB5,FB6                                                                                                                 |          | 1.648084          | 3        | 172089853.126111 |
| 121230603S  | Inductor  | FB1,FB17                                                                                                                    |          | 1.648084          | 2        | 249603186.449247 |
| 121230603Z  | Inductor  | FB12,FB14,F<br>B15                                                                                                          |          | 1.648084          | 3        | 172089853.126111 |
| 12123A000D  | Inductor  | FB10,FB9                                                                                                                    |          | 1.648084          | 2        | 249603186.449247 |
| 12123A000E  | Inductor  | FB19,FB20,F<br>B21, FB22                                                                                                    |          | 1.648084          | 4        | 131738617.274324 |
| 12123C0007  | Inductor  | FB11                                                                                                                        |          | 1.648084          | 1        | 464282892.430380 |
| 12123C000E  | Inductor  | FB13,FB16                                                                                                                   |          | 1.648084          | 2        | 249603186.449247 |
| 12123C0026  | Inductor  | FB3                                                                                                                         |          | 1.648084          | 1        | 464282892.430380 |
| 12123C003B  | Inductor  | FB2                                                                                                                         |          | 1.648084          | 1        | 464282892.430380 |
| 1214109000  | Inductor  | CH1,CH10,C<br>H13,CH14,<br>CH19,CH2,C<br>H20,CH3,<br>CH4,CH5,CH<br>6,CH7,<br>CH8,CH9                                        |          | 1.648084          | 14       | 40145854.728656  |
| 121410900A  | Inductor  | CH11,CH12,C<br>H15,<br>CH16,CH17,C<br>H18                                                                                   |          | 1.648084          | 6        | 90167700.669027  |

File Name: UPX-ADLP01.rfp

Assembly: 9697UPAD04-D

Ref Des:

Description:

Failure Rate: 2761.912539

MTBF (hrs): 362,068

Temperature: 30

Environment: GF, GU - Ground Fixed, Uncontrolled

| Part Number | Category           | Ref Des                                                                         | Tem.Rise | Unit Failure Rate | Quantity | MTBF,Unit        |
|-------------|--------------------|---------------------------------------------------------------------------------|----------|-------------------|----------|------------------|
| 1231038450  | Miscellaneous      | Y2                                                                              |          | 6.400000          | 1        | 71532788.312819  |
| 1231327631  | Miscellaneous      | Y1                                                                              |          | 6.400000          | 1        | 71532788.312819  |
| 1231X00003  | Miscellaneous      | Y3,Y4,Y5                                                                        |          | 6.400000          | 3        | 17227514.214411  |
| 12330024A4  | Miscellaneous      | Y6                                                                              |          | 6.400000          | 1        | 71532788.312819  |
| 1301001000  | Semiconductor      | D29,D30                                                                         |          | 2.597804          | 2        | 151734285.670195 |
| 1301005450  | Semiconductor      | D14,D2                                                                          |          | 2.597804          | 2        | 151734285.670195 |
| 1301793040  | Semiconductor      | D1,D13,D17,<br>D18,D19,<br>D20,D21,D22<br>,D23,<br>D24,D25,D27<br>,D28, D31     |          | 2.597804          | 14       | 25025189.041671  |
| 13041005S0  | Optical Device     | LED3                                                                            |          | 26.334452         | 1        | 19491518.247337  |
| 13041005S1  | Optical Device     | LED1                                                                            |          | 26.334452         | 1        | 19491518.247337  |
| 13041005Z0  | Optical Device     | LED2                                                                            |          | 26.334452         | 1        | 19491518.247337  |
| 1305005840  | Semiconductor      | D32                                                                             |          | 2.597804          | 1        | 278421930.032950 |
| 1305040241  | Semiconductor      | D12,D16,D5,<br>D6,D9                                                            |          | 2.597804          | 5        | 65895094.212760  |
| 1305050040  | Semiconductor      | D15                                                                             |          | 2.597804          | 1        | 278421930.032950 |
| 1305080040  | Semiconductor      | P_U1,P_U2,P<br>_U3                                                              |          | 2.597804          | 3        | 105320576.886002 |
| 1305Z40241  | Semiconductor      | D10,D11,D7,<br>D8                                                               |          | 2.597804          | 4        | 80967252.378705  |
| 1315000530  | Semiconductor      | Q8                                                                              |          | 7.487787          | 1        | 94927802.245258  |
| 1315230111  | Semiconductor      | Q12                                                                             |          | 7.487787          | 1        | 94927802.245258  |
| 1315230211  | Semiconductor      | Q3,Q4                                                                           |          | 7.487787          | 2        | 51945285.198303  |
| 1315EM6K70  | Semiconductor      | Q10,Q11,Q1<br>5,Q16,<br>Q21,Q22,Q2<br>3,Q24,<br>Q25,Q26,Q2<br>7,Q5,Q6,<br>Q7,Q9 |          | 7.487787          | 15       | 8084475.156528   |
| 1315Q00017  | Semiconductor      | Q19                                                                             |          | 7.487787          | 1        | 94927802.245258  |
| 1315Q00030  | Semiconductor      | Q1,Q13,Q14,<br>Q20                                                              |          | 7.487787          | 4        | 27811823.136019  |
| 1315Q00063  | Semiconductor      | Q17,Q18                                                                         |          | 7.487787          | 2        | 51945285.198303  |
| 142ADC0810  | Integrated Circuit | U47                                                                             |          | 14.601001         | 1        | 35217607.766180  |
| 1430021270  | Integrated Circuit | U52                                                                             |          | 14.601001         | 1        | 35217607.766180  |
| 1430021430  | Integrated Circuit | U57                                                                             |          | 14.601001         | 1        | 35217607.766180  |
| 1430052330  | Integrated Circuit | U55                                                                             |          | 14.601001         | 1        | 35217607.766180  |
| 1430090590  | Integrated Circuit | U10                                                                             |          | 14.601001         | 1        | 35217607.766180  |
| 1430455200  | Integrated Circuit | U24,U61,U68<br>,U69,<br>U70,U71,U77                                             |          | 14.601001         | 7        | 7225589.208772   |
| 1435682150  | Integrated Circuit | U53                                                                             |          | 14.601001         | 1        | 35217607.766180  |
| 14356C2150  | Integrated Circuit | U54                                                                             |          | 14.601001         | 1        | 35217607.766180  |
| 143ALC8880  | Integrated Circuit | U43                                                                             |          | 14.601001         | 1        | 35217607.766180  |

File Name: UPX-ADLP01.rfp

Assembly: 9697UPAD04-D

Ref Des:

Description:

Failure Rate: 2761.912539

MTBF (hrs): 362,068

Temperature: 30

Environment: GF, GU - Ground Fixed, Uncontrolled

| Part Number | Category           | Ref Des                                                                                                             | Tem.Rise | Unit Failure Rate | Quantity | MTBF,Unit        |
|-------------|--------------------|---------------------------------------------------------------------------------------------------------------------|----------|-------------------|----------|------------------|
| 143PS20010  | Integrated Circuit | U16,U19                                                                                                             |          | 14.601001         | 2        | 20504373.732590  |
| 143X000102  | Integrated Circuit | U64,U65,U66<br>,U67                                                                                                 |          | 14.601001         | 4        | 11637470.731983  |
| 143X000126  | Integrated Circuit | U59                                                                                                                 |          | 14.601001         | 1        | 35217607.766180  |
| 143X000156  | Integrated Circuit | U73                                                                                                                 |          | 14.601001         | 1        | 35217607.766180  |
| 1440038080  | Integrated Circuit | U56,U76                                                                                                             |          | 14.601001         | 2        | 20504373.732590  |
| 1440219LM0  | Integrated Circuit | U33                                                                                                                 |          | 14.601001         | 1        | 35217607.766180  |
| 144X000041  | Integrated Circuit | U45,U46                                                                                                             |          | 14.601001         | 2        | 20504373.732590  |
| 144X000111  | Integrated Circuit | U37                                                                                                                 |          | 14.601001         | 1        | 35217607.766180  |
| 144X000132  | Integrated Circuit | U44                                                                                                                 |          | 14.601001         | 1        | 35217607.766180  |
| 144X000276  | Integrated Circuit | U1                                                                                                                  |          | 7.235588          | 1        | 71067107.373746  |
| 145901G320  | Integrated Circuit | U60,U62,U63                                                                                                         |          | 8.672867          | 3        | 29848578.869305  |
| 14590AUP10  | Integrated Circuit | U3                                                                                                                  |          | 8.672867          | 1        | 76654326.713917  |
| 145X000011  | Integrated Circuit | U51                                                                                                                 |          | 8.672867          | 1        | 76654326.713917  |
| 1462002562  | Integrated Circuit | U8                                                                                                                  |          | 3.687759          | 1        | 174694239.661928 |
| 1468X00021  | Integrated Circuit | U4,U5,U6,U7                                                                                                         |          | 3.687759          | 4        | 53291971.228168  |
| 1469000007  | Integrated Circuit |                                                                                                                     |          | 3.687759          | 1        | 174694239.661928 |
| 1469000007  | Integrated Circuit |                                                                                                                     |          | 3.687759          | 1        | 174694239.661928 |
| 148X000023  | Integrated Circuit | U48                                                                                                                 |          | 8.672867          | 1        | 76654326.713917  |
| 149SLB9670  | Integrated Circuit | U42                                                                                                                 |          | 14.601001         | 1        | 35217607.766180  |
| 149SN75DP0  | Integrated Circuit | U9                                                                                                                  |          | 14.601001         | 1        | 35217607.766180  |
| 149X000033  | Integrated Circuit | U23                                                                                                                 |          | 14.601001         | 1        | 35217607.766180  |
| 149X000054  | Integrated Circuit | U27                                                                                                                 |          | 14.601001         | 1        | 35217607.766180  |
| 149X000102  | Integrated Circuit | U26                                                                                                                 |          | 14.601001         | 1        | 35217607.766180  |
| 14EX000640  | Integrated Circuit | U25                                                                                                                 |          | 14.601001         | 1        | 35217607.766180  |
| 14EX000788  | Integrated Circuit | U39                                                                                                                 |          | 14.601001         | 1        | 35217607.766180  |
| 14EX000908  | Integrated Circuit | U28                                                                                                                 |          | 14.601001         | 1        | 35217607.766180  |
| 14S3104500  | Integrated Circuit | U11,U12,U13<br>,U14,<br>U15,U17,U18<br>,U20,<br>U21,U22,U29<br>,U30,<br>U31,U32,U34<br>,U35,<br>U36,U38,U40<br>,U41 |          | 14.601001         | 20       | 2836675.783799   |
| 14S5A00821  | Integrated Circuit | U2                                                                                                                  |          | 8.672867          | 1        | 76654326.713917  |
| 14S5A30601  | Integrated Circuit | U49,U50                                                                                                             |          | 8.672867          | 2        | 42582758.600538  |
| 14S63C2560  | Integrated Circuit |                                                                                                                     |          | 3.687759          | 1        | 174694239.661928 |
| 1540100040  | Resistor           | RN1                                                                                                                 |          | 3.323812          | 1        | 154820723.013643 |
| 1601615600  | Connection         | SW1                                                                                                                 |          | 5.394945          | 1        | 107056774.080635 |
| 165250320K  | Connection         | CN22                                                                                                                |          | 5.394945          | 1        | 107056774.080635 |
| 1652708203  | Connection         | CN15                                                                                                                |          | 5.394945          | 1        | 107056774.080635 |
| 16528X0015  | Connection         | CN14                                                                                                                |          | 5.394945          | 1        | 107056774.080635 |
| 165300310G  | Connection         | JP1                                                                                                                 |          | 5.394945          | 1        | 107056774.080635 |
| 1653006205  | Connection         | CN19                                                                                                                |          | 5.394945          | 1        | 107056774.080635 |
| 16530X0014  | Connection         | CN18                                                                                                                |          | 5.394945          | 1        | 107056774.080635 |

File Name: UPX-ADLP01.rfp

Assembly: 9697UPAD04-D

Ref Des:

Description:

Failure Rate: 2761.912539

MTBF (hrs): 362,068

Temperature: 30

Environment: GF, GU - Ground Fixed, Uncontrolled

| Part Number | Category      | Ref Des   | Tem.Rise | Unit Failure Rate | Quantity | MTBF,Unit        |
|-------------|---------------|-----------|----------|-------------------|----------|------------------|
| 165330010G  | Connection    | JP1(2-3)  |          | 5.394945          | 1        | 107056774.080635 |
| 1653530130  | Connection    | CN3       |          | 5.394945          | 1        | 107056774.080635 |
| 1654207533  | Connection    | CN10      |          | 5.394945          | 1        | 107056774.080635 |
| 165420753A  | Connection    | CN13      |          | 5.394945          | 1        | 107056774.080635 |
| 165420753B  | Connection    | CN11,CN12 |          | 5.394945          | 2        | 61170457.142237  |
| 1654403931  | Connection    | CN2       |          | 5.394945          | 1        | 107056774.080635 |
| 1654801330  | Connection    | CN6       |          | 5.394945          | 1        | 107056774.080635 |
| 1654801832  | Connection    | CN7       |          | 5.394945          | 1        | 107056774.080635 |
| 16548X0015  | Connection    | CN8       |          | 5.394945          | 1        | 107056774.080635 |
| 1654900693  | Connection    | SIM1      |          | 5.394945          | 1        | 107056774.080635 |
| 1654907009  | Connection    | CN5       |          | 5.394945          | 1        | 107056774.080635 |
| 16549X0033  | Connection    | CN20      |          | 5.394945          | 1        | 107056774.080635 |
| 1655302025  | Connection    | CN4       |          | 5.394945          | 1        | 107056774.080635 |
| 1655803131  | Connection    | CN24      |          | 5.394945          | 1        | 107056774.080635 |
| 1655804030  | Connection    | J1        |          | 5.394945          | 1        | 107056774.080635 |
| 1655901000  | Connection    | CN16,CN17 |          | 5.394945          | 2        | 61170457.142237  |
| 1655906033  | Connection    | CN21      |          | 5.394945          | 1        | 107056774.080635 |
| 1655X00019  | Connection    | CN1       |          | 5.394945          | 1        | 107056774.080635 |
| 1655X00031  | Connection    | CN9       |          | 5.394945          | 1        | 107056774.080635 |
| 175011301K  | Miscellaneous | CN1       |          | 102.000000        | 1        | 5045049.020362   |
| 1752011002  | Miscellaneous | F1,F2     |          | 0.800000          | 2        | 431834181.589876 |
| 1752300001  | Miscellaneous | F3        |          | 0.800000          | 1        | 763878127.807005 |