

FWS-2272

Reliability Prediction Report (MTBF)

Summary	Failure Rate: 6155.003337 MTBF: 162,469 Hours
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Issue date	QE Manager	Test Engineer
2018-01-19	KJ Wang	Louie Lee

Reliability Prediction (MTBF)

I . Model Name: FWS-2272

II . Prediction Date: January. 19th, 2018

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

IV . Predicted by: Louie Lee

V . Equipment: Windchill Quality Solutions 10.1

VI. Simulation Environment:

- Temperature: 30 degrees C
- Standard: Telcordia (Bellcore) Standard

VII. Term and Definition:

- Unit : An assembly of device.
- Duty Cycle : Used to specify the percentage of time that the element is in an on state, and it is equal to the percentage of total time the item is in the active environment.
- Quantity : The quantity of the selected item.
- Failure Rate : Used to specify that the failure rate is to be calculated based the selected Calculation models. The Failure rate multiplier is 1000000000.
- MTBF : MTBF is always specified in hours.

VIII. Prediction Result:

FWS-2272 (M/B: 9697227201-D):

- Failure Rate: 6155.003337

- MTBF: 162,469 Hours

**AAEON Reliability Prediction
Summary**

File Name: FWS-2272.rfp
Duty Cycle: 100
Calculation Model: Telcordia Issue 2
Method: Method I Case 3

Failure Rate: 6155.003337
MTBF (hrs): 162,469
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Assembly Name	Part Number	Ref Des	Quantity	Failure Rate	MTBF
FWS-2272	9697227201-D		1	6155.003337	162,469

File Name: FWS-2272.rfp
Assembly: 9697227201-D
Ref Des:
Description:

Failure Rate: 6155.003337
MTBF (hrs): 162,469
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1050500104	Resistor	R176,R565,R569, R660		2.547039	4	82309758.689546
1050501064	Resistor	R248		2.547039	1	282340674.079668
1050502004	Resistor	R494,R597,R715, R716,R717,R718, R719,R745,R746, R747		2.547039	10	35079934.879747
1050502204	Resistor	R161,R478		2.547039	2	154078778.388085
1050502224	Resistor	R225,R226,R27,R28, R36,R38,R443,R549, R559,R62,R671,R672		2.547039	12	29507083.749401
1050503324	Resistor	R101,R109,R169, R201,R259,R274, R276,R31,R540,R541, R547,R548,R612, R633,R634,R636, R637,R639,R642, R643,R82,R83		2.547039	22	16518584.576317
1050503334	Resistor	R122,R133,R147, R222,R223,R228, R553,R570,R673		2.547039	9	38754445.632391
1050504724	Resistor	R12,R14,R153,R16, R288,R289,R290, R488,R508,R646, R711,R714,R721, R723,R726,R740, R743,R87		2.547039	18	20032117.836120
1050504724-00	Resistor	R181,R631,R764		2.547039	3	107020754.986850
1050504734-00	Resistor	R551,R659		2.547039	2	154078778.388085
1050505634-00	Resistor	R299		2.547039	1	282340674.079668

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1050508224	Resistor	R307,R315,R361, R370,R70,R71		2.547039	6	56573956.677649
1050510034	Resistor	R154,R298,R317, R336,R344,R365, R454,R491,R594		2.547039	9	38754445.632391
1050510504	Resistor	R141,R142		2.547039	2	154078778.388085
1050510524	Resistor	R706		2.547039	1	282340674.079668
1050511304	Resistor	R421		2.547039	1	282340674.079668
1050512034-00	Resistor	R309		2.547039	1	282340674.079668
1050512124-00	Resistor	R456,R519		2.547039	2	154078778.388085
1050512734	Resistor	R514		2.547039	1	282340674.079668
1050513704	Resistor	R420		2.547039	1	282340674.079668
1050515834	Resistor	R282		2.547039	1	282340674.079668
1050516004	Resistor	R351,R352,R787, R788,R790,R791, R794,R795		2.547039	8	43225424.698300
1050516524	Resistor	R179,R371		2.547039	2	154078778.388085
1050517804	Resistor	R477,R582		2.547039	2	154078778.388085
1050520004	Resistor	R145,R231,R238		2.547039	3	107020754.986850
1050520034	Resistor	R131,R227		2.547039	2	154078778.388085
1050521024	Resistor	R534		2.547039	1	282340674.079668
1050522004	Resistor	R468		2.547039	1	282340674.079668
1050522124	Resistor	R173		2.547039	1	282340674.079668
1050524004	Resistor	R506,R507,R652, R653		2.547039	4	82309758.689546
1050524904	Resistor	R47,R785		2.547039	2	154078778.388085
1050527034	Resistor	R461		2.547039	1	282340674.079668
1050528734	Resistor	R159		2.547039	1	282340674.079668
1050531614	Resistor	R502		2.547039	1	282340674.079668
1050531624	Resistor	R160		2.547039	1	282340674.079668
1050533034	Resistor	R218,R703		2.547039	2	154078778.388085
1050533204	Resistor	R152,R162		2.547039	2	154078778.388085
1050536514	Resistor	R51,R54,R781, R782		2.547039	4	82309758.689546
1050540204	Resistor	R463,R55,R57		2.547039	3	107020754.986850
1050547004	Resistor	R23,R24,R25, R26, R356,R377,R378, R379,R380		2.547039	9	38754445.632391

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Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1050573214	Resistor	R509		2.547039	1	282340674.079668
1050580614	Resistor	R658		2.547039	1	282340674.079668
1050580664	Resistor	R558,R563,R572, R575,R584,R590, R600,R604,R609, R622,R675,R682, R689,R697,R704, R727,R731,R760, R770,R775		2.547039	20	18104712.511396
1050582504	Resistor	R500		2.547039	1	282340674.079668
1050588724	Resistor	R568		2.547039	1	282340674.079668
1050593104	Resistor	R489		2.547039	1	282340674.079668
1050708234	Resistor	R648		2.547039	1	282340674.079668
1059700001	Resistor	R195,R241,R342, R376,R44		2.547039	5	67008142.102588
105A500103	Resistor	R335,R555,R625,R67, R674		2.547039	5	67008142.102588
105A500139	Resistor	R260,R261,R33, R343,R446,R527,R531, R562,R58,R618, R620,R621,R759,R776		2.547039	14	25477245.255648

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105A501039	Resistor	R107,R138,R163, R183,R191,R198, R205,R216,R224, R240,R245,R280, R306,R345,R364, R366,R367,R373, R387,R400,R401, R405,R406,R408, R409,R442,R451, R471,R472,R473, R505,R515,R528, R533,R554,R613, R615,R616,R63, R656, R661,R757		2.547039	42	8834121.532637
105A501323	Resistor	R448,R457,R588		2.547039	3	107020754.986850
105A501529	Resistor	R501		2.547039	1	282340674.079668
105A501539	Resistor	R139,R273		2.547039	2	154078778.388085
105A502039	Resistor	R150,R18,R21, R417, R449		2.547039	5	67008142.102588
105A502263	Resistor	R199,R313,R447, R77		2.547039	4	82309758.689546
105A503039	Resistor	R362,R614,R86		2.547039	3	107020754.986850
105A503309	Resistor	R341,R433,R464, R511,R517,R532, R60		2.547039	7	48991237.965885
105A505109	Resistor	R108,R115,R48, R79, R93		2.547039	5	67008142.102588
105A506829	Resistor	R312,R571,R69		2.547039	3	107020754.986850
105A507509	Resistor	R119,R263		2.547039	2	154078778.388085
105A508233	Resistor	R758		2.547039	1	282340674.079668

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105A510009	Resistor	R208,R210,R492, R595,R78,R88,R89, R92,R94		2.547039	9	38754445.632391
105A516903	Resistor	R499		2.547039	1	282340674.079668
105A519133	Resistor	R311		2.547039	1	282340674.079668
105A521039	Resistor	R310		2.547039	1	282340674.079668
105A526114	Resistor	R729		2.547039	1	282340674.079668
105A532429	Resistor	R578		2.547039	1	282340674.079668
105A534823	Resistor	R189		2.547039	1	282340674.079668
105A538323	Resistor	R66		2.547039	1	282340674.079668
105A549919	Resistor	R185,R628,R763, R767		2.547039	4	82309758.689546
105A553629	Resistor	R552		2.547039	1	282340674.079668
105A560469	Resistor	R95		2.547039	1	282340674.079668
105A562034	Resistor	R407		2.547039	1	282340674.079668
105A576813	Resistor	R484		2.547039	1	282340674.079668
105A700003	Resistor	R167,R2,R254,R277, R319,R32,R40,R41, R42,R43,R46,R483, R64,R74,R778,R85, R97		2.547039	17	21160422.299251

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105A700009	Resistor	R102,R104,R113, R114,R136,R207, R209,R262,R269, R270,R283,R29,R3, R300,R320,R339, R357,R358,R359, R360,R372,R374, R375,R381,R382, R383,R384,R385, R388,R4,R410,R411, R412,R413,R414, R441,R444,R459, R462,R465,R479, R485,R493,R498,R50, R518,R520,R521, R529,R		2.547039	74	5082863.157600
105A70000A	Resistor	R134,R140,R146, R149,R177,R188, R190,R232,R233, R234,R246,R247, R316,R368,R386, R434,R45,R513,R535, R607,R730		2.547039	21	17274945.076062
105A700139	Resistor	R184,R206,R281, R292,R294,R304, R314,R630,R768		2.547039	9	38754445.632391
105A700239	Resistor	R363		2.547039	1	282340674.079668

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105A701009	Resistor	R422,R423,R424, R425,R426,R427, R428,R429,R430, R431,R432		2.547039	11	32049696.385471
105A701039	Resistor	R106,R11,R118,R148, R15,R151,R156,R157, R164,R165,R166, R168,R170,R175, R182,R193,R217, R239,R244,R249, R250,R251,R256, R258,R271,R275, R295,R296,R495,R5, R560,R573,R576, R589,R599,R601, R602,R603,R605, R608,R611,R627, R632,R654,R662, R664,R668,R678, R679		2.547039	69	5443052.870268
105A701069	Resistor	R482		2.547039	1	282340674.079668
105A702269	Resistor	R155,R369,R490		2.547039	3	107020754.986850
105A703309	Resistor	R120,R121,R128, R132,R174,R561, R574,R583,R626, R657,R663,R667, R669,R677,R681, R684,R688,R732, R765,R91		2.547039	20	18104712.511396

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Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
105A703329	Resistor	R279,R285,R640, R771		2.547039	4	82309758.689546
105A704729	Resistor	R105,R110,R129, R196,R197,R20,R204, R22,R334,R35,R354, R355,R769,R84		2.547039	14	25477245.255648
105A706809	Resistor	R469		2.547039	1	282340674.079668
105A708209	Resistor	R475		2.547039	1	282340674.079668
105A710009	Resistor	R10,R37,R39,R6,R7, R8,R9		2.547039	7	48991237.965885
105A710039	Resistor	R30,R453		2.547039	2	154078778.388085
105A715009	Resistor	R116,R117,R13,R333, R350,R390,R391, R392,R393,R394, R395,R396,R397, R398,R399,R61		2.547039	16	22425139.809646
105A716533	Resistor	R221		2.547039	1	282340674.079668
105A733009	Resistor	R786,R789,R792, R793		2.547039	4	82309758.689546
106B510034	Resistor	RT3,RT4		7.724580	2	38596617.434771
106B704723	Resistor	RT1,RT2		7.724580	2	38596617.434771
106BA01033	Resistor	R112,R68		7.724580	2	38596617.434771
1121415090	Capacitor	C320		1.128806	1	704977644.692287

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1121501690	Capacitor	C10,C12,C16,C197,C203,C225,C258,C26,C300,C301,C302,C303,C304,C305,C306,C307,C308,C309,C310,C311,C316,C319,C323,C37,C38,C393,C394,C396,C397,C42,C456,C467,C468,C82,C83,C84,C85		1.128806	37	22998172.632301
1121501691	Capacitor	C192,C254,C265		1.128806	3	257514172.353070
1122522890	Capacitor	C18,C181,C234,C36,C453,C64		1.128806	6	133979725.056342
1124418090	Capacitor	C222,C223		1.128806	2	375289731.076049
1124418190	Capacitor	C259,C462,C463,C464,C465,C466,C469,C470		1.128806	8	101746760.035398
1124427090	Capacitor	C149,C173,C378,C382,C415,C416,C423,C424		1.128806	8	101746760.035398
1124468090	Capacitor	C295,C344,C390		1.128806	3	257514172.353070
1124533191	Capacitor	C39		1.128806	1	704977644.692287
1124533280	Capacitor	C263,C353,C398,C409,C63		1.128806	5	159367490.199266
1124539180	Capacitor	C401		1.128806	1	704977644.692287
1124547190	Capacitor	C340		1.128806	1	704977644.692287

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1129610080	Capacitor	C111,C114,C115, C129,C144,C191, C204,C205,C207, C208,C226,C227, C289,C317,C333, C341,C342,C359, C360,C370,C374, C377,C388,C389, C449		1.128806	25	33748887.792763
1129610260	Capacitor	C457,C458,C459, C460		1.128806	4	196873384.410843
1129701690	Capacitor	C273,C338,C339, C352,C354,C369, C371,C380,C381, C403,C405,C408		1.128806	12	68856937.301178
1129701790	Capacitor	C269		1.128806	1	704977644.692287
1129722091	Capacitor	C425		1.128806	1	704977644.692287
1189656196	Capacitor	C157,C262,C270		4.744484	3	59399119.141203
1189682199	Capacitor	C101		4.744484	1	159663026.715137
118C639191	Capacitor	C201,C87		4.744484	2	86049450.747498
11A4310040	Capacitor	C100,C112		1.128806	2	375289731.076049
11C1410440	Capacitor	C324,C368,C69		1.128806	3	257514172.353070
11C1501050	Capacitor	C268		1.128806	1	704977644.692287
11C1539840	Capacitor	C110,C373,C411, C412		1.128806	4	196873384.410843
11C1547890	Capacitor	C312		1.128806	1	704977644.692287
11C1647780	Capacitor	C331,C361,C402		1.128806	3	257514172.353070
11C2501790	Capacitor	C6,C7,C8,C9		1.128806	4	196873384.410843
11C2510480	Capacitor	C145,C213,C322, C330,C446		1.128806	5	159367490.199266
11C2522480	Capacitor	C14,C3		1.128806	2	375289731.076049
11C4501790	Capacitor	C410		1.128806	1	704977644.692287
11C4510240	Capacitor	C256,C421		1.128806	2	375289731.076049
11C4522290	Capacitor	C399,C68		1.128806	2	375289731.076049
11C4556690	Capacitor	C428		1.128806	1	704977644.692287

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11C9510490	Capacitor	C113,C123,C124, C130,C131,C142, C143,C150,C160, C164,C165,C166, C167,C168,C169, C170,C175,C187, C188,C202,C21,C210, C212,C214,C215, C216,C218,C22,C220, C221,C229,C23,C232, C236,C237,C238, C239,C24,C240,C241, C242,C243,C244, C245,C247,C248, C249,C282,C283,		1.128806	91	9486556.958661

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11E1501040	Capacitor	C103,C104,C105, C106,C107,C108, C116,C117,C118, C119,C120,C121, C122,C133,C134, C135,C136,C137, C138,C148,C154, C155,C156,C158, C161,C172,C176, C179,C180,C182, C184,C190,C20,C231, C275,C299,C343, C348,C35,C350,C375, C422,C447,C448,C49, C58,C60,C61,C65, C6		1.128806	58	14788723.209389
11E1510050	Capacitor	C1,C17,C183,C266, C4		1.128806	5	159367490.199266
11E1522680	Capacitor	C162,C264,C279, C325,C452,C461,C48		1.128806	7	115633865.771428
11E1547650	Capacitor	C11,C2,C429		1.128806	3	257514172.353070
11E2501080	Capacitor	C198,C72		1.128806	2	375289731.076049
11E2501690	Capacitor	C127,C141,C209,C25, C261,C267,C326, C327,C328,C332, C362,C367,C376, C383,C384,C385, C413,C45,C59		1.128806	19	44097696.883526

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11E2510010	Capacitor	C260,C329,C372, C414,C454,C455,C47		1.128806	7	115633865.771428
11E4433090	Capacitor	C272,C67		1.128806	2	375289731.076049
11E4510440	Capacitor	C251		1.128806	1	704977644.692287
11E9501080	Capacitor	C94		1.128806	1	704977644.692287
11E9501090	Capacitor	C140,C276		1.128806	2	375289731.076049
11E9610080	Capacitor	C139,C257,C274, C280,C297		1.128806	5	159367490.199266
11E9622050	Capacitor	C109,C132,C151, C152,C159,C163, C174,C177,C178, C193,C194,C200, C206,C211,C217, C219,C230,C246, C253,C290,C30,C32, C33,C34,C357,C363, C364,C366,C379, C387,C391,C50,C62, C76,C77,C96,C97,C98		1.128806	38	22404668.588477
11E9622052	Capacitor	C404		1.128806	1	704977644.692287
11E9622080	Capacitor	C19,C27,C271,C277, C28,C321,C406,C407,C74		1.128806	9	90863428.080946
11EA610040	Capacitor	C73		1.128806	1	704977644.692287
11EA647010	Capacitor	C128,C153,C171		1.128806	3	257514172.353070
11EB501040	Capacitor	C13,C252,C5		1.128806	3	257514172.353070
11EB522011	Capacitor	C199		1.128806	1	704977644.692287
11EB522440	Capacitor	C278,C281,C313, C318,C336,C337		1.128806	6	133979725.056342
11EB547440	Capacitor	C147		1.128806	1	704977644.692287
121110156P	Inductor	L2		4.944252	1	154760964.143460
121110226Y	Inductor	L5		4.944252	1	154760964.143460
1211104271	Inductor	L3		4.944252	1	154760964.143460

File Name: FWS-2272.rfp
Assembly: 9697227201-D
Ref Des:
Description:

Failure Rate: 6155.003337
MTBF (hrs): 162,469
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1211106879	Inductor	L1		4.944252	1	154760964.143460
1211147071	Inductor	L4,L6		4.944252	2	83201062.149749
1212312063	Inductor	FB1,FB4,FB7, FB8, FB9		4.944252	5	35631881.582999
12123A000B	Inductor	FB3,FB5		4.944252	2	83201062.149749
12123C000A	Inductor	FB2,FB6		4.944252	2	83201062.149749
1214109007	Inductor	CH1,CH2,CH 5,CH6		4.944252	4	43912872.424775
12143B0002	Inductor	CH3,CH4		4.944252	2	83201062.149749
12310025A8	Miscellaneous	Y3,Y5,Y6,Y7		19.200000	4	4388233.395340
1231019251	Miscellaneous	Y2		19.200000	1	23844262.770939
1231332726	Miscellaneous	Y4		19.200000	1	23844262.770939
12330048A1	Miscellaneous	Y1		19.200000	1	23844262.770939
1252350090	Inductor	TF1,TF2,TF3, TF4		4.944252	4	43912872.424775
1301053040	Semiconductor	D1,D4,D5		7.793411	3	35106858.962001
1301400642	Semiconductor	D6		7.793411	1	92807310.010983
1304001121	Optical Device	LED1,LED6		79.003355	2	3783722.582110
1304001122	Optical Device	LED2,LED3,L ED4, LED5		79.003355	4	2148119.082046
1305001242	Semiconductor	D7		7.793411	1	92807310.010983
1305099140	Semiconductor	D2,D3		7.793411	2	50578095.223398
1305100541	Semiconductor	U12,U13,U14 ,U15		22.463360	4	9270607.712006
1310390411	Semiconductor	Q5		22.463360	1	31642600.748419
1310390413	Semiconductor	Q21,Q27		22.463360	2	17315095.066101
1311390612	Semiconductor	Q14		22.463360	1	31642600.748419
1314880510	Semiconductor	Q13		22.463360	1	31642600.748419
1315009210	Semiconductor	Q40		22.463360	1	31642600.748419
1315200312	Semiconductor	Q16,Q23,Q2 4,Q32, Q41,Q42,Q4 3,Q44,Q9		22.463360	9	4366472.106532
1315230211	Semiconductor	Q31,Q38		22.463360	2	17315095.066101
1315443512	Semiconductor	Q26		22.463360	1	31642600.748419
1315700211	Semiconductor	Q20		22.463360	1	31642600.748419
1315700217	Semiconductor	Q4,Q6		22.463360	2	17315095.066101
1315EM6K10	Semiconductor	Q1,Q11,Q12, Q15,Q17, Q18,Q19,Q2, Q22,Q25, Q28,Q29,Q3, Q30,Q33, Q34,Q35,Q3 6,Q37, Q39,Q45,Q7, Q8		22.463360	23	1789160.944012
1315EMB090	Semiconductor	Q10		22.463360	1	31642600.748419

File Name: FWS-2272.rfp
Assembly: 9697227201-D
Ref Des:
Description:

Failure Rate: 6155.003337
MTBF (hrs): 162,469
Temperature: 30
Environment: GF, GU - Ground Fixed, Uncontrolled

Part Number	Category	Ref Des	Tem.Rise	Unit Failure Rate	Quantity	MTBF,Unit
1430012821	Integrated Circuit	U18,U4		43.803003	2	6834791.244197
1430036010	Integrated Circuit	U24,U29		43.803003	2	6834791.244197
1430080650	Integrated Circuit	U32		43.803003	1	11739202.588727
1430082480	Integrated Circuit	U21		43.803003	1	11739202.588727
14308239B0	Integrated Circuit	U8		43.803003	1	11739202.588727
1440002130	Integrated Circuit	U35		43.803003	1	11739202.588727
1440211AT0	Integrated Circuit	U28,U30,U31,U5		43.803003	4	3879156.910661
1440N33500	Integrated Circuit	U27		21.706765	1	23689035.791249
1462025642	Integrated Circuit	U34		11.063278	1	58231413.220643
1469KS16G1	Integrated Circuit	U17		11.063278	1	58231413.220643
1490011820	Integrated Circuit	U23		43.803003	1	11739202.588727
14909665T0	Integrated Circuit	U3		43.803003	1	11739202.588727
14S3104500	Integrated Circuit	U1,U11,U16,U19,U2		43.803003	5	3214211.402100
14S4081102	Integrated Circuit	U10		43.803003	1	11739202.588727
14S4872800	Integrated Circuit	U25		43.803003	1	11739202.588727
14S5912300	Integrated Circuit	U9		26.018600	1	25551442.237972
14S5974741	Integrated Circuit	U22		26.018600	1	25551442.237972
14S6340221	Integrated Circuit	U20		11.063278	1	58231413.220643
1540775082	Resistor	RP1,RP2,RP3,RP4		9.971436	4	17049357.262242
1601006BR0	Connection	SW2		16.184835	1	35685591.360212
1601615600	Connection	SW1		16.184835	1	35685591.360212
1651520404	Connection	DIMM1		16.184835	1	35685591.360212
165250320K	Connection	CN21		16.184835	1	35685591.360212
165280820B	Connection	CON1		16.184835	1	35685591.360212
1652848206	Connection	CN16		16.184835	1	35685591.360212
165300210C	Connection	CN13,CN14		16.184835	2	20390152.380746
1653003101	Connection	CN2,JP1		16.184835	2	20390152.380746
165300420Q	Connection	CN11		16.184835	1	35685591.360212
1653005201	Connection	CN9		16.184835	1	35685591.360212
165330010E	Connection	JP1(1-2)1,P1		16.184835	2	20390152.380746
1654205230	Connection	CN6		16.184835	1	35685591.360212
1654801832	Connection	CN15		16.184835	1	35685591.360212
1654900691	Connection	CN7		16.184835	1	35685591.360212
165490700G	Connection	CN5		16.184835	1	35685591.360212
1654919100	Connection	CN3		16.184835	1	35685591.360212
1655004011	Connection	CN4		16.184835	1	35685591.360212
1655902034	Connection	CN10,CN12		16.184835	2	20390152.380746
1655912032	Connection	LPC1		16.184835	1	35685591.360212
170302010C	Connection	CN10		16.184835	1	35685591.360212
1750113019	Miscellaneous	CN12		306.000000	1	1681683.006787
1752000501	Miscellaneous	FS1		2.400000	1	254626042.602335
1752002500	Miscellaneous	FS2		2.400000	1	254626042.602335
1752004600	Miscellaneous	FS3,FS4		2.400000	2	143944727.196625