



Embedded Platform
VIA TECHNOLOGIES INC.

MTBF PREDICTION REPORT

EITX-3000 (1.3GHz)

(Reliability Prediction @65°C)

Issued Date: 2009/07/23

Prepared By: Tom Dan 7/23/09

Reviewed By: Sam Wu 7/23/09



Embedded Platform

VIA TECHNOLOGIES INC.

1. Report Date: Jul. 23 2009

2. Model Name: EITX-3000

3. Revision: N/A

4. Specification: Em-ITX , Nano ULV 1.3GHz Fanless,
w/1VGA 2LVDS, 4COM, 6USB, 2GbE, DC
7~36V, Em-IO

5. Reference: MIL-HDBK-217F(issue 2, Dec, 1991)
Parts Count Reliability Prediction

6. Prediction Condition:

Environment: GB

Temperature: 65°C

Stress: 50%

Failure Rate: **29,446** FITs

MTBF:**33,961** Hrs

7. Index: Part Failure List

-----Item No.-----	-----Item Description-----	Qty	Total λ EQUIP (Failures Per 10E6 Hrs)
99G11-010971	LED LAMPRED/YELLOW GREENLT631SR1G-H202-C17DIP4PIN,LENGTH=3.5mmW/HOLDER,長方 形(4.32mm*9.65mm)	1	0.000986
99G26-040073	BUZZERSHSG0905O5V85DBDIMENSION DIAM9*H4.5DIP/4.5±0.5mm	1	0.00067
99G28-01015C	SWITCH TACTDTSA-63N-VDIP4PIN7.2*7.4*6.55mmBROWN	1	0.013
99G30-020035	CONN WAFER2217S-03-F31*3PIN/2.54mmDIPSTRAIGHTWHITE	1	0.00065189
99G30-055361	CONN HEADER2210S-02G-BK-F21*2PIN/2.0mmDIPSTRAIGHTBLACK	1	0.000571823
99G30-060307	CONN USBDUAL A TYPEUB1112C-8D1-4F2*4PINRIGHT ANGLEDIP	1	0.001933124
99G30-09095F	CONN D-SUBVGA PORT(SLIM TYPE)SM1003S010026N15PINRIGHT ANGLEBULE,PA6TFEMALE	1	0.001377071
99G30-091003	CONN D-SUBSCSI PORT3860-000-023-5126PINDIP,RIGHT ANGLEBLACK,PBTW/LATCH BRACKET,FEMALE	2	0.004146547
99G30-100395	CONN D-SUB ASS'YDUAL COM PORT1009-9M9M1N3P10-L18PINRIGHT ANGLEGREENMALE,W/HEX-SCREW	2	0.006233989
99G30-12066E	CONN RJRJ45 PORT W/LED(L)GREEN/ORANGE,(R)YELLOW101113FHBN4M404ZA1PORT W/TRANSFORMER14PIN,15u"GOLDDIPRIGHT ANGLE	2	0.002635332
99G30-13286U	CONN MIXSERIAL ATA CONN030B07-04601A-T71*7PIN/1.27mmDIPSTRAIGHT	2	0.001814926
99G30-04039D	CONN POWERTERMINAL BLCOK(SOCKET)5EHDRM-02PDIPRIGHT ANGLE1*2PIN/5.0mmGREEN,PA66	1	0.000571823
99G39-010345	JUMPER CAP2205BG-RD-F11*2PIN/2.0mmREDCLOSE	4	0.002287291
99G26-050222	BATTERYBR-1225/BN3V	1	0.015
99G43-04028D	PLASTIC HOLDERCR1225BATTERY HOLDERBLACK,PBT2PINDIP	1	0.000571823
99G02-030635	IC EEPROMAT93C46DN-SH-T64*16BITSOIC8PIN1.8V	2	0.024405424
99G02-061962	IC FLASH ROMSST25VF080B-50-4C-S2AF8MbitSOIC8PIN	1	0.012202712
99G03-02299B2	IC ASICI/O CONTROLLERF81865F-IPQFP128PIN	1	0.146418904
99G04-010092	IC GATESN74HC132DR NANDSOIC14PIN	1	0.16242073
99G04-010241	IC GATENC7ST08M5X_NLANDSOT235PIN	4	0.643184752
99G04-020043	IC INVERTERSN74LV04ADRSOIC14PIN	1	0.16242073
99G04-08070J	IC TRANSCEIVERLTC485CS8#PBF5SOIC8PIN	4	0.645290847
99G04-080713	IC TRANSCEIVERMAX3243EIDBRSSOP28PINRS-232	4	0.66047004
99G04-100803	IC SWITCHTS5A3166DBVRSOT235PIN	6	0.964777128
99G05-010141	IC PMTPS3510DSOIC8PIN	1	0.081322712
99G05-01045W	IC PMLTC1872BES6#PBF5SOT236PIN	1	0.080969463
99G05-011034	IC PMAPL1117-VC-TRLSOT2233PINADJ1A	1	0.080458584
99G05-012769	IC PMRT9173BPSSOP8PIN	1	0.081322712
99G05-012899	IC PMRT9202PSSOP8PIN	1	0.081322712
99G05-01332Q	IC PMSI9183DT-AD-T1-E3SOT235PINADJ	1	0.080796188

-----Item No.-----	-----Item Description-----	Qty	Total λ EQUIP (Failures Per 10E6 Hrs)
99G05-013855	IC PMISL9501CVZTSSOP38PIN	1	0.127116957
99G05-01466B7	IC PMEN5366QIQFN58PIN	1	0.13123648
99G05-014933	IC PMSC339SKTRTSOT236PIN	1	0.080969463
99G05-01633W	IC PMLTC3728EG#PBFSSOP28PIN	1	0.12511751
99G05-031571	IC CLOCKICS9UM700CGLF-TTSSOP56PIN	1	0.130818601
99G05-090184	IC DACAD5301BRTZSOT236PIN	2	0.161938927
99G05-171706	IC OTHERSNE555DRSOIC8PINPRECISION TIMERS	2	0.162645424
99G08-030250	CRYSTAL32.768KHz±20PPMNC-20612.5PF/RR=50K OHM MAX7.3*2.5*1.8mmSMD	1	0.012438585
99G08-031549	CRYSTAL25MHZ±30PPM7A2500001220PF/RR=20 OHM MAX5.0*3.2*1.3mm(GLASS TYPE)SMD/2PAD	2	0.114477159
99G08-03168F	CRYSTAL14.318MHZ±10PPMCXA-014318-4F8F2010PF/RR=80 OHM MAX4.2*2.7*0.8mmSMD/4PAD	1	0.050351868
99G09-010139	DIODE RECTIFIER1SR154-400SOD106	1	0.000986
99G09-020020	DIODE SCHOTTKYBAT54C30V200mASOT23	3	0.002958
99G09-02002B	DIODE SCHOTTKYSSM34PT40V3ASMA	1	0.000986
99G09-02003B	DIODE SCHOTTKYSSM5817PT20.0V1.0ASMA	3	0.002958
99G09-02065B	DIODE SCHOTTKYSBM14PT40V1ASMB	2	0.001972
99G09-02018C	DIODE SCHOTTKYB540C-13-F40V5ASMC	3	0.002958
99G09-020552	DIODE SCHOTTKYRB551V-30TE-1730V500mASOD323SMD2PIN	1	0.000986
99G09-02057Q	DIODE SCHOTTKYMSCD10440V1ASMT0805	1	0.000986
99G09-020590	DIODE SCHOTTKYBAT54SV $f_m=0.8$ V $f=100$ mASOT-23	7	0.006902
99G09-020602	DIODE SWITCHINGRLS4148NTE-11JEDEC:LL-34	7	0.006902
99G09-02076B	DIODE SCHOTTKYSSM5819PT40V1ASMA	1	0.000986
99G10-010074	TRANSISTOR NPNPMBT2222ASOT233PIN	1	0.000621911
99G10-010084	TRANSISTOR NPNPMBT3904SOT-233PIN	12	0.00746293
99G10-020062	TRANSISTOR PNP2SB1132T100RSOT893PIN	4	0.002487643
99G10-030064	TRANSISTOR FET P CHANNELSI3443BDV-T1-E3TSOP6PIN $V_{gs}=2.5$ V $I_d=3.5$ A	2	0.03528
99G10-030304	TRANSISTOR FET P CHANNELSI2301BDS-T1-E3SOT233PIN	2	0.03528
99G10-030631	TRANSISTOR FET P CHANNELFDS6681ZSOIC8PIN	1	0.01764
99G10-040051	TRANSISTOR FET N CHANNELFDN337N_NLSuperSOT-33PIN	1	0.01764
99G10-040321	TRANSISTOR FET N CHANNELFDC796NSSOT6PIN30V	1	0.01764
99G10-040381	TRANSISTOR FET N CHANNELFDD8896_NLTO2523PIN	1	0.01764
99G10-040391	TRANSISTOR FET N CHANNELFDD8880_NLTO2523PIN	1	0.01764
99G10-04040D	TRANSISTOR FET N CHANNELSi4800BDY-T1-E3SOIC8PIN	2	0.03528
99G10-040501	TRANSISTOR FET N CHANNELFDD6296_NLTO2523PIN30V50A	1	0.01764
99G10-040511	TRANSISTOR FET N CHANNELFDS6680ASSOIC8PIN	1	0.01764
99G10-04236D	TRANSISTOR FET N CHANNELSI7460DP-T1-E3POWERPAK SO-88PIN	4	0.07056
99G10-04128B	TRANSISTOR FET N CHANNEL2N7002PTSOT233PIN	12	0.21168

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99G10-060134	TRANSISTOR DUAL N CHANNELAPM7312KC-TRLISOIC8PIN	1	0.01764
99G12-00003B	CAP ML1000 pFK50VX7RSMT0603,THICKNESS=0.80±0.10mmC1608X7R102KGT	2	0.02270708
99G12-000165	CAP ML22 uFZ10VY5VSMT1206,THICKNESS=1.60mmLMK316F226ZL	2	0.075379285
99G12-000605	CAP ML100 uFM6.3VX5RSMT1210,THICKNESS=2.50mmJMK325BJ107MM	2	0.090398514
99G12-001255	CAP ML4.7 uFZ10VY5VSMT0805,THICKNESS=0.85mmLMK212F475ZD-T	4	0.125268833
99G12-00031B	CAP ML0.1 uFZ25VY5VSMT0603,THICKNESS=0.80±0.10mmC1608Y5V104ZFT	13	0.256492488
99G12-00032B	CAP ML10 pFJ50VNPOSMT0603,THICKNESS=0.80±0.10mmC1608NP0100JGT	1	0.00653328
99G12-00061B	CAP ML2.2 uFZ10VY5VSMT0603,THICKNESS=0.80±0.10mmC1608Y5V225ZDT	2	0.057181035
99G12-00069B	CAP ML5600 pFK50VX7RSMT0402,THICKNESS=0.50±0.05mmC1005X7R562KGT	1	0.013960914
99G12-000745	CAP ML1 uFK25VX5RSMT0603,THICKNESS=0.80mmTMK107BJ105KA-T	20	0.520189155
99G12-000755	CAP ML22 uFM6.3VX5RSMT0805,THICKNESS=1.25mmJMK212BJ226MG	31	1.168378921
99G12-000795	CAP ML10 uFK16VX5RSMT0805,THICKNESS=1.25mmEMK212BJ106KG-T	3	0.102861429
99G12-00081B	CAP ML1800 pFK50VX7RSMT0402,THICKNESS=0.50±0.05mmC1005X7R182KGT	1	0.012183274
99G12-00100B	CAP ML0.1 uF K50VX7RSMT0603,THICKNESS=0.80±0.10mmC1608X7R104KGT	1	0.019730191
99G12-001175	CAP ML10 uFM6.3VX5RSMT0603,THICKNESS=0.80mmJMK107BJ106MA-T	2	0.068574286
99G12-00123B	CAP ML0.22 uFK25VX7RSMT0603,THICKNESS=0.80±0.10mmC1608X7R224KFT	1	0.021688126
99G12-00212B	CAP ML33 pFJ50VNPOSMT0402,THICKNESS=0.50±0.05mmC1005NP0330JGT	6	0.045238086
99G12-00228B	CAP ML10 pFD50VNPOSMT0402,THICKNESS=0.50±0.05mmC1005NP0100DGT	5	0.032666402
99G12-00229B	CAP ML22 pFJ50VNPOSMT0402,THICKNESS=0.50±0.05mmC1005NP0220JGT	3	0.02154484
99G12-00232B	CAP ML27 pFJ50VNPOSMT0402,THICKNESS=0.50±0.05mmC1005NP0270JGT	2	0.014720581
99G12-00234B	CAP ML0.1 uFZ16VY5VSMT0402,THICKNESS=0.50±0.05mmC1005Y5V104ZET	238	4.695785547
99G12-00236B	CAP ML0.047 uFZ16VY5VSMT0402,THICKNESS=0.50±0.05mmC1005Y5V473ZET	1	0.018021172
99G12-002385	CAP ML270 pFK50VX7RSMT0402,THICKNESS=0.50mmUMK105BJ271KV	4	0.03881101

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99G12-00239B	CAP ML3300 pFK50VX7RSMT0402, THICKNESS=0.50±0.05mmC1005X7R332KGT	1	0.013102464
99G12-00240B	CAP ML470 pFK50VX7RSMT0402, THICKNESS=0.50±0.05mmC1005X7R471KGT	1	0.010370102
99G12-002495	CAP ML220 pFK50VX7RSMT0402, THICKNESS=0.50mmUMK105BJ221KV-F	2	0.01893442
99G12-002545	CAP ML1 uFZ6.3VY5VSMT0402, THICKNESS=0.50mmJMK105 F105ZV-F	14	0.364132408
99G12-00255B	CAP ML180 pFJ50VNPOSMT0402, THICKNESS=0.50±0.05mmC1005NP0181JGT	17	0.157113289
99G12-00257B	CAP ML56 pFJ50VNPOSMT0402, THICKNESS=0.50±0.05mmC1005NP0560JGT	5	0.040168338
99G12-00264B	CAP ML47 pFJ50VNPOSMT0402, THICKNESS=0.50±0.05mmC1005NP0470JGT	1	0.007866527
99G12-00426B	CAP ML12 pFJ50VNPOSMT0402, THICKNESS=0.50±0.05mmC1005NP0120JGT	2	0.013355589
99G12-00483B	CAP ML68 pFJ50VNPOSMT0402, THICKNESS=0.50±0.05mmC1005NP0680JGT	1	0.008223039
99G12-00494B	CAP ML2200 pFK50VX7RSMT0402, THICKNESS=0.50±0.05mmC1005X7R222KGT	1	0.012480214
99G12-00515B	CAP ML0.47 uFZ50VY5VSMT1206, THICKNESS=0.85±0.15mmC3216Y5V474ZGT	1	0.023756532
99G12-005295	CAP ML10 uFZ10VY5VSMT0805, THICKNESS=1.25mmLMK212F106ZG-T	34	1.165762859
99G12-00547B	CAP ML1000 pFK50VX7RSMT0402, THICKNESS=0.50±0.05mmC1005X7R102KGT	21	0.238424342
99G12-00548B	CAP ML0.01 uFK25VX7RSMT0402, THICKNESS=0.50±0.05mmC1005X7R103KFT	25	0.374172018
99G12-00554B	CAP ML1200 pFK50VX7RSMT0402, THICKNESS=0.50±0.05mmC1005X7R122KGT	4	0.046418707
99G12-005615	CAP ML4.7 uFZ50VY5VSMT1210, THICKNESS=1.50mmUMK325F475ZH-T	7	0.219220458
99G12-00569B	CAP ML0.01 uFZ16VY5VSMT0402, THICKNESS=0.50±0.05mmC1005Y5V103ZET	15	0.224503211
99G12-005725	CAP ML10 uFZ25VY5VSMT1210, THICKNESS=1.50mmTMK325F106ZH-T	1	0.034287143
99G12-00590B	CAP ML0.015 uFZ16VY5VSMT0402, THICKNESS=0.50±0.05mmC1005Y5V153ZET	2	0.031426227
99G12-00595B	CAP ML100 pFJ50VNPOSMT0402, THICKNESS=0.50±0.05mmC1005NP0101JGT	7	0.060287786
99G12-006195	CAP ML4.7 uFM6.3VX5RSMT0603, THICKNESS=0.80mmJMK107BJ475MA-T	11	0.344489291
99G12-00621B	CAP ML560 pFK50VX7RSMT0402, THICKNESS=0.50±0.05mmC1005X7R561KGT	1	0.010590437
99G12-006985	CAP ML10 uFK25VX5RSMT1206, THICKNESS=1.60mmTMK316BJ106KL-T	5	0.171435715

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99G12-007015	CAP ML47 uFM6.3VX5RSMT1206,THICKNESS=1.60mmJMK316BJ476ML-T	1	0.041284121
99G15-010495	CAP EC47 uFM63V105°C ψ=8.0mm,H=10mm,SMDEMZA630ADA470MHA0G	4	0.266527852
99G17-010391	CAP ARRAY220 pFK50VNP08P4CSMT0612,W3A45A221KAT2A	8	0.075737682
99G18-000612	POS CAP47 uF16V16TQC47MSMDD2 TYPEM	4	0.050761004
99G18-000682	POS CAP220 uF6.3VLESR,6TPE220MISMDD2EM	1	0.015272467
99G18-000872	POS CAP100 uF6.3V6TPB100MASMDB2 TYPEM	1	0.013893718
99G18-000932	POS CAP680 uF2.5V2R5TPE680MCLSMDD3L TYPEM	2	0.03497434
99G18-000962	POS CAP330 uF6.3VLESR,6TPE330MLSMDD3LM	14	0.224475101
99G19-000012	RES CHIP0 OHMJ1/10WCFSMT0603,THICKNESS=0.45±0.10mmRM06JTN0	2	0.0108
99G19-000022	RES CHIP0 OHMJ1/8WCFSMT0805,THICKNESS=0.50±0.10mmRM10JTN0	1	0.0054
99G19-000072	RES CHIP10 OHMJ1/8WCFSMT0805,THICKNESS=0.50±0.10mmRM10JTN100	1	0.0054
99G19-001012	RES CHIP1 OHMJ1/8WCFSMT0805,THICKNESS=0.50±0.10mmRM10JTN1R0	2	0.0108
99G19-001382	RES CHIP10K OHMJ1/8WCFSMT0805,THICKNESS=0.50±0.10mmRM10JTN103	1	0.0054
99G19-001402	RES CHIP2.2K OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN222	4	0.0216
99G19-001412	RES CHIP22 OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN220	30	0.162
99G19-001422	RES CHIP0 OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN0	46	0.2484
99G19-001432	RES CHIP33 OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN330	4	0.0216
99G19-001442	RES CHIP4.7K OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN472	46	0.2484
99G19-001452	RES CHIP10K OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN103	13	0.0702
99G19-001512	RES CHIP68 OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN680	2	0.0108
99G19-001522	RES CHIP75 OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN750	3	0.0162
99G19-001532	RES CHIP100 OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN101	2	0.0108
99G19-001562	RES CHIP330 OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN331	10	0.054
99G19-001582	RES CHIP470 OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN471	1	0.0054
99G19-001592	RES CHIP560 OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN561	8	0.0432

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99G19-001602	RES CHIP680 OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN681	1	0.0054
99G19-001632	RES CHIP100K OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN104	7	0.0378
99G19-001652	RES CHIP1K OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN102	17	0.0918
99G19-001662	RES CHIP2.7K OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN272	2	0.0108
99G19-001672	RES CHIP2K OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN202	1	0.0054
99G19-001682	RES CHIP3.3K OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN332	2	0.0108
99G19-001702	RES CHIP47K OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN473	2	0.0108
99G19-001722	RES CHIP510K OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN514	2	0.0108
99G19-001842	RES CHIP2M OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN205	1	0.0054
99G19-001872	RES CHIP1M OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN105	4	0.0216
99G19-002472	RES CHIP4.7K OHMJ1/8WCFSMT0805,THICKNESS=0.50±0.10mmRM10JTN472	1	0.0054
99G19-002652	RES CHIP5.1K OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN512	1	0.0054
99G19-003062	RES CHIP200K OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN204	2	0.0108
99G19-003312	RES CHIP3.3K OHMJ1/8WCFSMT0805,THICKNESS=0.50±0.10mmRM10JTN332	1	0.0054
99G19-003342	RES CHIP15K OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN153	3	0.0162
99G19-003352	RES CHIP20K OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN203	5	0.027
99G19-003372	RES CHIP33K OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN333	1	0.0054
99G19-003402	RES CHIP68K OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN683	3	0.0162
99G19-003442	RES CHIP10 OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN100	5	0.027
99G19-003522	RES CHIP82K OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN823	3	0.0162
99G19-003802	RES CHIP2.2 OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN2R2	1	0.0054
99G19-004322	RES CHIP120 OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN121	4	0.0216
99G19-004382	RES CHIP1.2K OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN122	1	0.0054

-----Item No.-----	-----Item Description-----	Qty	Total λ EQUIP (Failures Per 10E6 Hrs)
99G19-004432	RES CHIP30K OHMJ1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04JTN303	1	0.0054
99G19-004922	RES CHIP22K OHMJ1/8WCFSMT0805,THICKNESS=0.50±0.10mmRM10JTN223	4	0.0216
99G20-000052	RES CHIP10K OHMF1/10WCFSMT0603,THICKNESS=0.45±0.10mmRM06FTN1002	1	0.0054
99G20-000172	RES CHIP20K OHMF1/10WCFSMT0603,THICKNESS=0.45±0.10mmRM06FTN2002	2	0.0108
99G20-000812	RES CHIP220 OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN2200	4	0.0216
99G20-001072	RES CHIP301 OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN3010	1	0.0054
99G20-001122	RES CHIP5.6K OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN5601	2	0.0108
99G20-001132	RES CHIP11K OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN1102	1	0.0054
99G20-001232	RES CHIP33.2 OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN33R2	8	0.0432
99G20-001522	RES CHIP49.9 OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN49R9	17	0.0918
99G20-001532	RES CHIP54.9 OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN54R9	4	0.0216
99G20-001582	RES CHIP100 OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN1000	3	0.0162
99G20-001592	RES CHIP150 OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN1500	11	0.0594
99G20-001612	RES CHIP360 OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN3600	1	0.0054
99G20-001652	RES CHIP1.5K OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN1501	4	0.0216
99G20-001682	RES CHIP10K OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN1002	5	0.027
99G20-001692	RES CHIP1K OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN1001	6	0.0324
99G20-001712	RES CHIP2.8K OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN2801	1	0.0054
99G20-001722	RES CHIP2K OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN2001	1	0.0054
99G20-001742	RES CHIP3.48K OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN3481	1	0.0054
99G20-001772	RES CHIP5.1K OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN5101	1	0.0054
99G20-001802	RES CHIP6.65K OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN6651	1	0.0054
99G20-001932	RES CHIP15K OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN1502	2	0.0108

-----Item No.-----	-----Item Description-----	Qty	Total λ EQUIP (Failures Per 10E6 Hrs)
99G20-002122	RES CHIP27K OHMF1/10WCFSMT0603,THICKNESS=0.45±0.10mmRM06FTN2702	1	0.0054
99G20-002402	RES CHIP105K OHMF1/10WCFSMT0603,THICKNESS=0.45±0.10mmRM06FTN1053	1	0.0054
99G20-002632	RES CHIP180 OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN1800	1	0.0054
99G20-002782	RES CHIP200 OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN2000	3	0.0162
99G20-002812	RES CHIP22 OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN22R0	1	0.0054
99G20-003122	RES CHIP4.7K OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN4701	1	0.0054
99G20-003232	RES CHIP47 OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN47R0	2	0.0108
99G20-003252	RES CHIP470 OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN4700	1	0.0054
99G20-005812	RES CHIP5.9K OHMF1/10WCFSMT0603,THICKNESS=0.45±0.10mmRM06FTN5901	1	0.0054
99G20-006292	RES CHIP732K OHMF1/10WCFSMT0603,THICKNESS=0.45±0.10mmRM06FTN7323	2	0.0108
99G20-006352	RES CHIP78.7K OHMF1/10WCFSMT0603,THICKNESS=0.45±0.10mmRM06FTN7872	1	0.0054
99G20-006522	RES CHIP88.7 OHMF1/10WCFSMT0603,THICKNESS=0.45±0.10mmRM06FTN88R7	1	0.0054
99G20-007222	RES CHIP75K OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN7502	1	0.0054
99G20-007692	RES CHIP63.4K OHMF1/10WCFSMT0603,THICKNESS=0.45±0.10mmRM06FTN6342	1	0.0054
99G20-008222	RES CHIP10.7K OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN1072	2	0.0108
99G20-008562	RES CHIP140 OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN1400	1	0.0054
99G20-008772	RES CHIP6.2K OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN6201	2	0.0108
99G20-009082	RES CHIP249 OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN2490	2	0.0108
99G20-009362	RES CHIP27.4 OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN27R4	2	0.0108
99G20-009382	RES CHIP243K OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN2433	1	0.0054
99G20-009392	RES CHIP54.9K OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN5492	1	0.0054
99G20-009432	RES CHIP45.3K OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN4532	1	0.0054
99G20-009442	RES CHIP5.62K OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN5621	1	0.0054

-----Item No.-----	-----Item Description-----	Qty	Total λ EQUIP (Failures Per 10E6 Hrs)
99G20-009532	RES CHIP25.5K OHMF1/16WCFSMT0402,THICKNESS=0.35±0.05mmRM04FTN2552	1	0.0054
99G20-00A542	RES CHIP1.1M OHMF1/10WCFSMT0603,THICKNESS=0.45±0.10mmRM06FTN1104	1	0.0054
99G20-00A558	RES CHIP0.003 OHMF1WCFSMT3720,THICKNESS=0.8±0.20mmRL3720WT-R003-FN	2	0.0108
99G20-00A778	RES CHIP0.008 OHMF1WCFSMT3720,THICKNESS=0.80±0.20mmRL3720WT-R008-FN	1	0.0054
99G21-000131	RES NETWORK CHIP33 OHMJ1/16WCF4P2R,CN22JTN330SMT0402,THICKNESS=0.35±0.10mm	2	0.0036
99G21-000171	RES NETWORK CHIP0 OHMJ1/16WCF8P4R,CN24JTN0SMT0402,THICKNESS=0.40±0.10mm	2	0.0072
99G21-001751	RES NETWORK CHIP33 OHMJ1/16WCF8P4R,CN24JTN330SMT0402,THICKNESS=0.40±0.10mm	8	0.0288
99G21-001871	RES NETWORK CHIP4.7K OHMJ1/16WCF8P4R,CN24JTN472SMT0402,THICKNESS=0.40±0.10mm	14	0.0504
99G21-001941	RES NETWORK CHIP1K OHMJ1/16WCF8P4R,CN24JTN102SMT0402,THICKNESS=0.40±0.10mm	3	0.0108
99G21-001901	RES NETWORK CHIP2.2K OHMJ1/16WCF8P4R,CN24JTN222SMT0402,THICKNESS=0.40±0.10mm	1	0.0036
99G21-002131	RES NETWORK CHIP4.7K OHMJ1/16WCF4P2R,CN22JTN472SMT0402,THICKNESS=0.35±0.10mm	1	0.0018
99G21-002371	RES NETWORK CHIP0 OHMJ1/16WCF4P2R,CN32JTN0SMT0603,THICKNESS=0.45±0.10mm	10	0.018
99G21-002511	RES NETWORK CHIP1K OHMJ1/16WCF4P2R,CN22JTN102SMT0402,THICKNESS=0.35±0.10mm	1	0.0018
99G23-020011	INDUCTORQTL2012-4R7KLF4.7uHK30mASMT0805	2	0.00134
99G23-02516E	INDUCTORMMD-10EE-1R0M-M11.0uHM11.5mm*10.0mm*5.5mmSMD/2P AD	5	0.00335
99G23-024731	INDUCTORWSRPI0603-4R7M4.7uHM7.6*7.0*3.0mm2PAD	1	0.00067
99G23-04003G	FERRITE BEADCBF-2012ES-121U120 OHM0.255000mASMT0805	7	0.154
99G23-040071	FERRITE BEADQT2012RL600LF600 OHM0.25500mASMT0805	1	0.022
99G23-040081	FERRITE BEADQT1608RL300LF300 OHM0.25500mASMT0603	3	0.066
99G23-040221	FERRITE BEADQT2012RL600HC2ALF600 OHM0.252ASMT0805	6	0.132
99G23-040291	FERRITE BEADQT1608RL060LF60 OHM0.25300mASMT0603	7	0.154
99G23-040353	FERRITE BEADAA-600Y0310260 OHM0.25500mASMT0805	18	0.396

-----Item No.-----	-----Item Description-----	Qty	Total λ EQUIP (Failures Per 10E6 Hrs)
99G23-04045B	FERRITE BEADBLM41PG600SN1L60 OHMSMT1806	2	0.044
99G25-02059F	FILTERCHIP COMMON MODE FILTERQTCW2012-090-LFSMD2.0*1.2*1.2mm/4PAD100MHZ90OHM±25%	6	0.132
99G26-060171	RELAYFTR-B3GA4.5Z-B10SMD4.5V8PIN	4	7.6
99G27-020134	FUSE SMTSMD1206P050TF/150.5ASMT120615V0.75 OHM	2	0.02
99G27-020195	FUSE SMT0451007.MRL7A6.1*2.69mm125V	1	0.01
99G28-030021	SWITCH POLYSMD1812P200TF2A,8V,0.06Ω,SMT1812,IT=3.5A,UL/CSA	2	0.02
99G28-030071	SWITCH POLYSMD1210P110TF1.1A,6V,0.21Ω,SMT,A3,3.43*2.8*0.48	4	0.04
99G28-030161	SWITCH POLYSMD2016P150TF1.5ASMD201615V	2	0.02
99G29-02037A	SOCKET DDR2 SODIMMAS0A426-NARN-4F200PIN/0.6mmSMDREVERSE TYPEH:9.2mm1.8V,10u" GOLD	1	0.04200029
99G30-021115	CONN WAFER1251S-03-SM1-TR1*3PIN/1.25mmSMDWHITE,PA46	2	0.001303779
99G30-022905	CONN WAFER1600S-09-SM-TR1*9PIN/1.0mmSMDSTRAIGHTIVORY,PA46	1	0.001025116
99G30-052181	CONN HEADER2208SM-26G-E01-BK-CP2*13PIN/2.0mmSMDSTRAIGHTBLACK, PA6TW/CAP,抽第 26PIN	1	0.002006097
99G30-053661	CONN HEADER2210SM-03G-B1-CR1*3PIN/2.0mmSMDIVORY,PA6TW/CAP	4	0.002607558
99G30-053671	CONN HEADER2210SM-05G-B1-CR1*5PIN/2.0mmSMDIVORY,PA6TW/CAP	1	0.000785699
99G30-053801	CONN HEADER2208SM-10G-E9-BK-CP2*5PIN/2.0mmSMDBLACK,PA6T 抽第 9PIN,W/CAP	1	0.001025116
99G30-053991	CONN HEADER2208SM-12G-E9-BK-CP2*6PIN/2.0mmSMDSTRAIGHTBLACK,PA 6T 抽第 9PIN,W/CAP	1	0.001141678
99G30-054281	CONN HEADER2208SM-12G-CP2*6PIN/2.00mmSMDSTRAIGHTIVORY,PA6TW/C AP	1	0.001200061
99G30-054291	CONN HEADER2208SM-08G-E7-CP2*4PIN/2.00mmSMDSTRAIGHTIVORY,PA6T 抽第 7PIN, W/CAP	1	0.000907463
99G30-054541	CONN HEADER2208SM-10G-E7-BK-CP2*5PIN/2.0mmSMDSTRAIGHTBLACK, PA6T 抽第 7PIN	1	0.001025116
99G30-13327W	CONN MIXCF CARD TYPE I REVERSECFH050-C7-1B8050PINSMDIVORY,LCPH=6.45mm,W/COVER	1	0.003990206
99G30-160184	BOARD TO BOARD CONNQSE-080-01-F-D-A-K2*80PIN/0.8mmSMDBLACK,LCPMALESTRAI GHT,H=3.05mm	1	0.025510502
99G30-170111	WIRE TO BOARD CONN1254SMB-30-TR2*15PIN/1.25mmSMDBEIGE,PA6TMALE,W/CAPST RAIGHT,H=4.8mm	1	0.002350997
99G35-01127H-A0	BARE PCBETX-3000 REV A8 LAYER 1.6mmFR4 94V-0120mm*170mmBLUEENIG	1	0.053
10-3286A2-0FT	VT6130 G 64 QFN 9X9mm	2	0.264993807

-----Item No.-----	-----Item Description-----	Qty	Total λ EQUIP (Failures Per 10E6 Hrs)
10-3353B4T-5FBT	VX800 T 1236FCBGA 33x33mm	1	0.425849647
10-3369B2-0FH	VT1708B G 48 LQFP 7x7mm	1	0.129159433
NAA30S75F-FB	CPU VIA U2225 1300/800 T NanoBGA2 U2225 CNA0F U2225 1300/800 10W 400	1	0.210438391