

4/17/2013



**RELIABILITY MONITOR REPORT  
FOR**

**San Antonio 0.4μm Silicon Gate CMOS (S4)**

**MAXIM INTEGRATED**

**160 RIO ROBLES  
SAN JOSE, CA 95134**

**This Report was prepared by  
MAXIM INTEGRATED Reliability Engineering**

## Summary:

The data in the tables that follow was generated as the result of an on-going Process Reliability Monitor. The specific products in this process monitor are:

DS8500	MAX11040GUU	MAX11040KGU	MAX11167ETC+	MAX13325GUI/
MAX13326GUI/	MAX14522AEZ	MAX14650ESE+	MAX14842ETE+	MAX15022ATI+
MAX15026BET	MAX16814AUP/	MAX16822AAS	MAX16833FAU	MAX16834ATP/
MAX16834ATP+	MAX16903SAU	MAX16904SAU	MAX16907RAT	MAX16908RAU
MAX16910CAT	MAX16916GUB/	MAX16917BGE	MAX16920BATJ	MAX16922ATPF
MAX16941AUE/	MAX16946GEE/	MAX16946GTE/	MAX16946GTE+	MAX16948AGT
MAX16952AUE/	MAX16953AEE/	MAX16969BGE	MAX16969BGE	MAX16969BGE
MAX16975AAE	MAX16975BAE	MAX16977SATE	MAX16980GEE/	MAX17075GTG/
MAX17094ETM	MAX20001ETE+	MAX31180	MAX31725	MAX31865
MAX31910	MAX44009EDT+	MAX44009EDT+	MAX4409EDT+	MAX4967EGEE/
MAX5217GUA+	MAX5971AETI+	MAX5971BETI+	MAX5982BETE+	MAX6070AAUT
MAX6070AAUT	MAX6070AAUT	MAX6070BAUT	MAX7360ETL+	MAX77100EWL
MAX8795AGTJ+	MAX9736AETJ+	MAX9736BETJ+	MAX9737ETG+	MAX9739ETG+

The calculated failure rate for devices using this process is:

**FAILURE RATE: MTTF (YRS): 391338 QUANTITY: 3512 FAILS: 0 FITS: 0.3**

The parameters used to calculate this failure rate are as follows:

**Cf: 60% Ea: 0.7 Tu: 25 °C**

The reliability data follows and in this section is the detailed reliability data by stress. The reliability data section includes the latest data available. This report covers data between 4/1/2012 and 3/31/2013 .

---

## Process Information:

Process Description: San Antonio 0.4µm Silicon Gate CMOS (S4)

---

### OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	1017	MAX13326GUI/V+	135°C	500 HRS	48	0	TZYYBQ002H
HIGH TEMP OP LIFE	1036	MAX14842ETE+	135°C	48 HRS	42	0	TQ0ZAQ001CQ
HIGH TEMP OP LIFE	1103	MAX4967EGEE/V+	135°C	1000 HRS	90	0	TKWZCA015BD
HIGH TEMP OP LIFE	1105	MAX16908RAUE50/V+	135°C	1000 HRS	85	0	TTDYCQ003F#
HIGH TEMP OP LIFE	1120	MAX5982BETE+	135°C	192 HRS	48	0	T2CZAQ001CQ
HIGH TEMP OP LIFE	1124	MAX16941AUE/V+	135°C	500 HRS	26	0	TXNZCQ001EA
HIGH TEMP OP LIFE	1131	MAX16920BATJ/V+	135°C	1000 HRS	79	0	TXVYFU025C#
HIGH TEMP OP LIFE	1131	MAX16904SAUE50/V+	135°C	1000 HRS	80	0	TTDZIA004B#
HIGH TEMP OP LIFE	1151	MAX16952AUE/V+	135°C	1000 HRS	80	0	TF9YG003CD
HIGH TEMP OP LIFE	1152	MAX16922ATPF/V+	135°C	1000 HRS	79	0	TACG5Q001BD
HIGH TEMP OP LIFE	1153	MAX16833FAUE/V+	135°C	700 HRS	47	0	TADW3A005AH
HIGH TEMP OP LIFE	1205	MAX5217GUA+	135°C	192 HRS	80	0	TACX9Q001AQ
HIGH TEMP OP LIFE	1206	MAX77100EWL+T	135°C	192 HRS	48	0	TAFA3Q001CQ

HIGH TEMP OP LIFE	1206	MAX6070BAUT25+T	135°C	1000 HRS	79	0	TO0WBQ001J#
HIGH TEMP OP LIFE	1212	MAX16822AASA+	135°C	1000 HRS	80	0	TNCZCA033H
HIGH TEMP OP LIFE	1215	MAX9736AETJ+	135°C	192 HRS	78	0	TFUXCA166A#
HIGH TEMP OP LIFE	1216	MAX9736AETJ+	135°C	192 HRS	80	0	TFUXCA169A#
HIGH TEMP OP LIFE	1218	MAX31910	135C, 36V (V8)	192 HRS	80	0	ZJ276928FAA-NPI
HIGH TEMP OP LIFE	1220	MAX11167ETC+	135°C	192 HRS	79	0	T2UZBQ002BQ
HIGH TEMP OP LIFE	1221	MAX6070AAUT41+T	135°C	1000 HRS	79	0	TO0TBQ001LE
HIGH TEMP OP LIFE	1221	MAX6070AAUT12+T	135°C	1000 HRS	80	0	TO0ZBQ001FD
HIGH TEMP OP LIFE	1221	MAX11040KGUU+	135°C	1000 HRS	48	0	TT0ZCQ001Q1
HIGH TEMP OP LIFE	1221	MAX11040GUU+	135°C	1000 HRS	48	0	TT0ZCQ001Q2
HIGH TEMP OP LIFE	1221	MAX11040KGUU+	135°C	1000 HRS	48	0	TT0ZCQ001Q3
HIGH TEMP OP LIFE	1227	MAX31725	125C, 3.7V (PSA)	192 HRS	80	0	ZX377362BB-NPI
HIGH TEMP OP LIFE	1227	MAX17094ETM+	135°C	1000 HRS	47	0	TQGZD3085Q1
HIGH TEMP OP LIFE	1227	MAX17094ETM+	135°C	1000 HRS	47	0	TQGZD3085Q2
HIGH TEMP OP LIFE	1227	MAX17094ETM+	135°C	1000 HRS	47	0	TQGZD3085Q3
HIGH TEMP OP LIFE	1227	MAX20001ETE+	135°C	192 HRS	46	0	TAHF9Q001B#
HIGH TEMP OP LIFE	1228	MAX5971BETI+	135°C	192 HRS	45	0	TAIC92007MQ
HIGH TEMP OP LIFE	1228	MAX5971BETI+	135°C	192 HRS	90	0	TAIC92007NQ
HIGH TEMP OP LIFE	1228	MAX5971BETI+	135°C	1000 HRS	85	0	TAIC92007NF
HIGH TEMP OP LIFE	1228	MAX5971BETI+	135°C	1000 HRS	80	0	TAIC92007OF
HIGH TEMP OP LIFE	1231	MAX31865	125C, 3.7V (PSA)	192 HRS	80	0	ZJ381729AB-NPI
HIGH TEMP OP LIFE	1232	MAX16977SATE/V+	135°C	1000 HRS	80	0	TP5ZCA005JA
HIGH TEMP OP LIFE	1232	MAX16948AGTE/V+	135°C	1000 HRS	78	0	TAAO0Q002HA
HIGH TEMP OP LIFE	1233	MAX14650ESE+	135°C	192 HRS	48	0	TAIN2Q001DQ
HIGH TEMP OP LIFE	1233	MAX14650ESE+	135°C	192 HRS	48	0	TAIN2Q001CQ
HIGH TEMP OP LIFE	1233	MAX14650ESE+	135°C	192 HRS	32	0	TAIN2Q001EQ
HIGH TEMP OP LIFE	1236	MAX31180	125C, 3.6 VOLTS	1000 HRS	80	0	ZJ383915AC
HIGH TEMP OP LIFE	1236	MAX16910CATA9/V+T	135°C	1000 HRS	80	0	TULZCA004B#
HIGH TEMP OP LIFE	1236	MAX16910CATA9/V+T	135°C	1000 HRS	79	0	TULZCA004I#
HIGH TEMP OP LIFE	1238	MAX16910CATA9/V+T	135°C	1000 HRS	80	0	TULZC4005A#
HIGH TEMP OP LIFE	1239	MAX5971AETI+	135°C	1000 HRS	80	0	TAIC83010BB
HIGH TEMP OP LIFE	1241	MAX14842ETE+	135°C	1000 HRS	46	0	TQ0ZCQ002FQ
HIGH TEMP OP LIFE	1241	MAX5971BETI+	135°C	1000 HRS	80	0	TAIC93010EB
HIGH TEMP OP LIFE	1246	MAX44009EDT+T	135°C	500 HRS	80	0	TAAL5A024Q1
HIGH TEMP OP LIFE	1246	MAX44009EDT+T	135°C	500 HRS	45	0	TAAL5A024Q2
HIGH TEMP OP LIFE	1246	MAX44009EDT+T	135°C	500 HRS	78	0	TAAL5A024Q3

HIGH TEMP OP LIFE	1247	MAX5971AETI+	135°C	1000	HRS	80	0	TAIC83012BB
HIGH TEMP OP LIFE	1249	MAX5971AETI+	135°C	500	HRS	80	0	TAIC83013AA
HIGH TEMP OP LIFE	1306	DS8500	125C, 3.6 VOLTS	192	HRS	48	0	ZX380516BB
HIGH TEMP OP LIFE	1306	DS8500	125C, 3.6 VOLTS	192	HRS	32	0	ZX380516BB
<b>Total:</b>							<b>0</b>	

---

### STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.	
STORAGE LIFE	1022	MAX13325GUI/V+	150°C	500	HRS	45	0	TZYZCA003B
STORAGE LIFE	1152	MAX16922ATPF/V+	150°C	500	HRS	50	1	TACG5Q001BD
STORAGE LIFE	1206	MAX6070BAUT25+T	150°C	1000	HRS	77	0	TO0WBQ001J#
STORAGE LIFE	1211	MAX16980GEE/V+	150°C	500	HRS	50	0	TAEZ7Q001AD
STORAGE LIFE	1215	MAX9737ETG+	150°C	1000	HRS	50	0	TQXZBA006A#
STORAGE LIFE	1215	MAX9736AETJ+	150°C	1000	HRS	80	0	TFUXCA166A#
STORAGE LIFE	1216	MAX16814AUP/V+	150°C	1000	HRS	80	0	R26124BQ1
STORAGE LIFE	1218	MAX9737ETG+	150°C	1000	HRS	50	0	TQXZBA006D#
STORAGE LIFE	1221	MAX6070AAUT41+T	150°C	1000	HRS	80	0	TO0TBQ001LE
STORAGE LIFE	1221	MAX6070AAUT12+T	150°C	1000	HRS	80	0	TO0ZBQ001FD
STORAGE LIFE	1221	MAX11040GUU+	150°C	1000	HRS	78	0	TT0ZCQ001Q1
STORAGE LIFE	1221	MAX11040GUU+	150°C	1000	HRS	80	0	TT0ZCQ001Q2
STORAGE LIFE	1221	MAX11040GUU+	150°C	1000	HRS	79	0	TT0ZCQ001Q3
STORAGE LIFE	1221	MAX16975AAEE/V+	150°C	500	HRS	50	0	TK6ZDQ003H
STORAGE LIFE	1223	MAX15026BETD+	150°C	500	HRS	50	0	TAFU3A005DD
STORAGE LIFE	1224	MAX16916GUB/V+	150°C	1000	HRS	50	0	TAEZ7Q003A#
STORAGE LIFE	1224	MAX16916GUB/V+	150°C	500	HRS	80	0	TAEZ7Q002AB
STORAGE LIFE	1226	MAX16834ATP+	150°C	1000	HRS	50	0	TNOZBA027I#
STORAGE LIFE	1227	MAX17094ETM+	150°C	1000	HRS	80	0	TQGZD3085Q1
STORAGE LIFE	1227	MAX17094ETM+	150°C	1000	HRS	80	0	TQGZD3085Q2
STORAGE LIFE	1227	MAX17094ETM+	150°C	1000	HRS	80	0	TQGZD3085Q3
STORAGE LIFE	1229	MAX16834ATP+	150°C	1000	HRS	50	0	TNOZBA028E
STORAGE LIFE	1230	MAX16969BGEE+	150°C	500	HRS	45	0	TR1YBA006BA
STORAGE LIFE	1233	MAX16946GEE/V+	150°C	500	HRS	50	0	TZOZCA009CA
STORAGE LIFE	1237	MAX16975BAEE/V+	150°C	500	HRS	45	0	TK6ZDA004JA
STORAGE LIFE	1237	MAX16975BAEE/V+	150°C	500	HRS	45	0	TK6ZDA005DA
STORAGE LIFE	1241	MAX16907RATE/V+	150°C	1000	HRS	50	0	TP5ZCA007JA
STORAGE LIFE	1241	MAX16907RATE/V+	150°C	1000	HRS	49	0	TP5ZCA007KA

STORAGE LIFE	1241	MAX4409EDT+T	150°C	1000	HRS	80	0	TAAL5A032A#
STORAGE LIFE	1246	MAX44009EDT+T	150°C	1000	HRS	80	0	TAAL5A024Q1
STORAGE LIFE	1246	MAX44009EDT+	150°C	1000	HRS	80	0	TAAL5A024Q2
STORAGE LIFE	1246	MAX44009EDT+	150°C	1000	HRS	80	0	TAAL5A024Q3
STORAGE LIFE	1247	MAX16975BAEE/V+	150°C	500	HRS	45	0	TK6ZDA006AA
STORAGE LIFE	1252	MAX16975AAEE/V+	150°C	500	HRS	50	0	TK6ZDA004MA
STORAGE LIFE	1252	MAX16975AAEE/V+	150°C	1000	HRS	50	0	TK6ZDA004M
<b>Total:</b>							<b>1</b>	

---

### TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	1022	MAX13325GUI/V+	-65C TO 150C	500	CYS	80	0 TZYZCA003B
TEMP CYCLE, 5' RAMP, 10' DWELL	1028	MAX13325GUI/V+	-65C TO 150C	500	CYS	80	0 TZYZCA003A
TEMP CYCLE, 5' RAMP, 10' DWELL	1152	MAX16922ATPF/V+	-65C TO 150C	500	CYS	80	0 TACG5Q001BD
TEMP CYCLE, 5' RAMP, 10' DWELL	1202	MAX16946GTE/V+	-65C TO 150C	500	CYS	80	0 TZOZC3005BA
TEMP CYCLE, 5' RAMP, 10' DWELL	1206	MAX13325GUI/V+	-65C TO 150C	500	CYS	80	0 TZYZCA006IX
TEMP CYCLE, 5' RAMP, 10' DWELL	1206	MAX6070BAUT25+T	-65C TO 150C	1000	CYS	76	0 TO0WBQ001J#
TEMP CYCLE, 5' RAMP, 10' DWELL	1206	MAX6070BAUT25+T	-65C TO 150C	1000	CYS	30	0 TO0WBQ001JB
TEMP CYCLE, 5' RAMP, 10' DWELL	1210	MAX16917BGEE/V+	-65C TO 150C	500	CYS	80	0 TSEYAA018LB
TEMP CYCLE, 5' RAMP, 10' DWELL	1210	MAX16917BGEE/V+	-65C TO 150C	500	CYS	80	0 TSEYAA018KF
TEMP CYCLE, 5' RAMP, 10' DWELL	1210	MAX16917BGEE/V+	-65C TO 150C	500	CYS	80	0 TSEYAA018JB
TEMP CYCLE, 5' RAMP, 10' DWELL	1211	MAX9739ETG+	-65C TO 150C	500	CYS	80	0 TQXZBA005C#
TEMP CYCLE, 5' RAMP, 10' DWELL	1211	MAX16980GEE/V+	-65C TO 150C	500	CYS	80	0 TAEZ7Q001AD
TEMP CYCLE, 5' RAMP, 10' DWELL	1215	MAX9737ETG+	-65C TO 150C	1000	CYS	80	0 TQXZBA006A#
TEMP CYCLE, 5' RAMP, 10' DWELL	1215	MAX9736AETJ+	-65C TO 150C	500	CYS	80	0 TFUXCA166A#
TEMP CYCLE, 5' RAMP, 10' DWELL	1215	MAX9736AETJ+	-65C TO 150C	500	CYS	80	0 TFUXCA165C#
TEMP CYCLE, 5' RAMP, 10' DWELL	1216	MAX9736AETJ+	-65C TO 150C	1000	CYS	75	0 TFUXCA169A#
TEMP CYCLE, 5' RAMP, 10' DWELL	1216	MAX16814AUP/V+	-65C TO 150C	500	CYS	80	0 TUPZD3032BX
TEMP CYCLE, 5' RAMP, 10' DWELL	1216	MAX16814AUP/V+	-65C TO 150C	500	CYS	80	0 R26124BQ1
TEMP CYCLE, 5' RAMP, 10' DWELL	1218	MAX9737ETG+	-65C TO 150C	500	CYS	80	0 TQXZBA005G#

TEMP CYCLE, 5' RAMP, 10' DWELL	1218	MAX9737ETG+	-65C TO 150C	500	CYS	80	0	TQXZBA004L#
TEMP CYCLE, 5' RAMP, 10' DWELL	1218	MAX9736BETJ+	-65C TO 150C	500	CYS	80	0	TFUYCA172A#
TEMP CYCLE, 5' RAMP, 10' DWELL	1218	MAX9736BETJ+	-65C TO 150C	500	CYS	80	0	TFUYCA175B#
TEMP CYCLE, 5' RAMP, 10' DWELL	1219	MAX16834ATP/V+	-65C TO 150C	500	CYS	80	0	TNOZBA025I#
TEMP CYCLE, 5' RAMP, 10' DWELL	1221	MAX6070AAUT25+T	-65C TO 150C	1000	CYS	110	1	TO0WBQ001KC
TEMP CYCLE, 5' RAMP, 10' DWELL	1221	MAX6070AAUT25+T	-65C TO 150C	1010	CYS	80	0	TO0WBQ01KC
TEMP CYCLE, 5' RAMP, 10' DWELL	1221	MAX6070AAUT41+T	-65C TO 150C	1000	CYS	80	0	TO0TBQ001LE
TEMP CYCLE, 5' RAMP, 10' DWELL	1221	MAX6070AAUT12+T	-65C TO 150C	1000	CYS	80	0	TO0ZBQ001FD
TEMP CYCLE, 5' RAMP, 10' DWELL	1221	MAX11040GUU+	-65C TO 150C	1000	CYS	77	0	TT0ZCQ001Q1
TEMP CYCLE, 5' RAMP, 10' DWELL	1221	MAX11040GUU+	-65C TO 150C	1000	CYS	79	0	TT0ZCQ001Q2
TEMP CYCLE, 5' RAMP, 10' DWELL	1221	MAX11040GUU+	-65C TO 150C	1000	CYS	80	0	TT0ZCQ001Q3
TEMP CYCLE, 5' RAMP, 10' DWELL	1221	MAX16834ATP/V+	-65C TO 150C	500	CYS	80	0	TNOZBA026D#
TEMP CYCLE, 5' RAMP, 10' DWELL	1221	MAX16975AAEE/V+	-65C TO 150C	500	CYS	80	0	TK6ZDQ003H
TEMP CYCLE, 15' RAMP, 15' DWELL	1222	MAX14522AEZC+T	-40C TO +125C	1000	CYS	77	0	TYVZCQ002BB
TEMP CYCLE, 15' RAMP, 15' DWELL	1222	MAX14522AEZC+T	-40C TO +125C	1000	CYS	77	0	TYVZCQ002DE
TEMP CYCLE, 15' RAMP, 15' DWELL	1222	MAX14522AEZC+T	-40C TO +125C	1000	CYS	77	0	TYVZCQ002DF
TEMP CYCLE, 5' RAMP, 10' DWELL	1223	MAX15026BETD+	-65C TO 150C	500	CYS	80	0	TAFU3A005DD
TEMP CYCLE, 5' RAMP, 10' DWELL	1223	MAX15026BETD+	-65C TO 150C	500	CYS	80	0	TAFU3A005DC
TEMP CYCLE, 5' RAMP, 10' DWELL	1223	MAX15026BETD+	-65C TO 150C	500	CYS	80	0	TAFU3A005DE
TEMP CYCLE, 5' RAMP, 10' DWELL	1224	MAX16916GUB/V+	-65C TO 150C	500	CYS	80	0	TAEZ7Q003A#
TEMP CYCLE, 5' RAMP, 10' DWELL	1226	MAX16834ATP+	-65C TO 150C	500	CYS	80	0	TNOZBA027I#
TEMP CYCLE, 5' RAMP, 10' DWELL	1227	MAX17094ETM+	-65C TO 150C	1000	CYS	80	0	TQGZD3085Q1
TEMP CYCLE, 5' RAMP, 10' DWELL	1227	MAX17094ETM+	-65C TO 150C	1000	CYS	80	0	TQGZD3085Q2
TEMP CYCLE, 5' RAMP, 10' DWELL	1227	MAX17094ETM+	-65C TO 150C	500	CYS	80	0	TQGZD3085Q3
TEMP CYCLE, 5' RAMP, 10' DWELL	1229	MAX16834ATP+	-65C TO 150C	500	CYS	80	0	TNOZBA028E#

TEMP CYCLE, 5' RAMP, 10' DWELL	1230	MAX16969BGEE	-65C TO 150C	500	CYS	80	0	TR1YBA006BA
TEMP CYCLE, 5' RAMP, 10' DWELL	1231	MAX16834ATP+	-65C TO 150C	500	CYS	79	0	TNOZBA029G#
TEMP CYCLE, 5' RAMP, 10' DWELL	1232	MAX16946GEE/V+	-65C TO 150C	500	CYS	80	0	TZOZCA008BA
TEMP CYCLE, 5' RAMP, 10' DWELL	1232	MAX16946GEE/V+	-65C TO 150C	500	CYS	80	0	TZOZCA008DA
TEMP CYCLE, 5' RAMP, 10' DWELL	1232	MAX16946GEE/V+	-65C TO 150C	500	CYS	80	0	TZOZCA008CA
TEMP CYCLE, 5' RAMP, 10' DWELL	1233	MAX16946GEE/V+	-65C TO 150C	500	CYS	80	0	TZOZCA009CA
TEMP CYCLE, 5' RAMP, 10' DWELL	1233	MAX16946GEE/V+	-65C TO 150C	500	CYS	80	0	TZOZCA009BA
TEMP CYCLE, 5' RAMP, 10' DWELL	1233	MAX16946GEE/V+	-65C TO 150C	500	CYS	80	0	TZOZCA009DA
TEMP CYCLE, 5' RAMP, 10' DWELL	1234	MAX17075GTG/V+	-65C TO 150C	500	CYS	50	0	TLYZGA282A#
TEMP CYCLE, 5' RAMP, 10' DWELL	1235	MAX7360ETL+	-65C TO 150C	500	CYS	80	0	TQOZBQ002E#
TEMP CYCLE, 5' RAMP, 10' DWELL	1236	MAX16953AEE/V+	-65C TO 150C	500	CYS	77	0	TK6ZDA004EA
TEMP CYCLE, 5' RAMP, 10' DWELL	1237	MAX16975BAEE/V+	-65C TO 150C	500	CYS	80	0	TK6ZDA004JA
TEMP CYCLE, 5' RAMP, 10' DWELL	1237	MAX16975BAEE/V+	-65C TO 150C	500	CYS	80	0	TK6ZDA005DA
TEMP CYCLE, 5' RAMP, 10' DWELL	1241	MAX16907RATE/V+	-65C TO 150C	500	CYS	80	0	TP5ZCA007JA
TEMP CYCLE, 5' RAMP, 10' DWELL	1241	MAX16907RATE/V+	-65C TO 150C	500	CYS	80	0	TP5ZCA008BA
TEMP CYCLE, 5' RAMP, 10' DWELL	1241	MAX16907RATE/V+	-65C TO 150C	500	CYS	80	0	TP5ZCA007KA
TEMP CYCLE, 5' RAMP, 10' DWELL	1241	MAX16907RATE/V+	-65C TO 150C	500	CYS	80	0	TP5ZCA008C#
TEMP CYCLE, 5' RAMP, 10' DWELL	1243	MAX16834ATP+	-65C TO 150C	500	CYS	80	0	TNOZBA032AB
TEMP CYCLE, 5' RAMP, 10' DWELL	1245	MAX16907RATE/V+	-65C TO 150C	500	CYS	80	0	TP5ZCA009AA
TEMP CYCLE, 5' RAMP, 10' DWELL	1246	MAX44009EDT+T	-65C TO 150C	500	CYS	80	1	TAAL5A024Q1
TEMP CYCLE, 5' RAMP, 10' DWELL	1246	MAX44009EDT+	-65C TO 150C	1000	CYS	79	0	TAAL5A024Q2
TEMP CYCLE, 5' RAMP, 10' DWELL	1247	MAX16975BAEE/V+	-65C TO 150C	500	CYS	80	0	TK6ZDA006AA
TEMP CYCLE, 5' RAMP, 10' DWELL	1249	MAX16969BGEE/V+	-65C TO 150C	500	CYS	80	0	TR1YBA012AA
TEMP CYCLE, 5' RAMP, 10' DWELL	1250	MAX16969BGEE/V+	-65C TO 150C	500	CYS	80	0	TR1YBA011FA
TEMP CYCLE, 5' RAMP, 10' DWELL	1252	MAX16975AAEE/V+	-65C TO 150C	500	CYS	80	0	TK6ZDA004MA

**Total: 2**

---

**TEMPERATURE HUMIDITY BIAS**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
BIASED MOISTURE	1022	MAX13325GUI/V+	130C, 85% R.H.	96	HRS	31	0 TZYZCA003B
BIASED MOISTURE	1028	MAX13325GUI/V+	130C, 85% R.H.	96	HRS	45	0 TZYZCA003A
BIASED MOISTURE	1105	MAX16903SAUE50/V+	130C, 85% R.H.	100	HRS	46	0 TTDZIQ003B#
BIASED MOISTURE	1105	MAX16903SAUE50/V+	130C, 85% R.H.	100	HRS	46	0 TTDZIQ003A#
BIASED MOISTURE	1131	MAX15022ATI+	130C, 85% R.H.	100	HRS	34	0 TLWYBQ001EC
BIASED MOISTURE	1131	MAX15022ATI+	130C, 85% R.H.	100	HRS	34	0 TLWYBQ001ED
BIASED MOISTURE	1131	MAX15022ATI+	130C, 85% R.H.	100	HRS	46	0 TLWYBQ001EE
BIASED MOISTURE	1143	MAX16946GTE/V+	130C, 85% R.H.	100	HRS	80	0 TZOZCA004DC
BIASED MOISTURE	1146	MAX16946GTE+	130C, 85% R.H.	96	HRS	80	0 TZOZC3005AT
BIASED MOISTURE	1150	MAX8795AGTJ+	130C, 85% R.H.	96	HRS	80	0 TAHXDA156CA
BIASED MOISTURE	1202	MAX16946GTE/V+	130C, 85% R.H.	100	HRS	80	0 TZOZC3005BA
BIASED MOISTURE	1206	MAX13325GUI/V+	130C, 85% R.H.	96	HRS	31	0 TZYZCA006IX
BIASED MOISTURE	1221	MAX6070AAUT41+T	130C, 85% R.H.	100	HRS	80	0 TO0TBQ001LE
BIASED MOISTURE	1221	MAX6070AAUT12+T	130C, 85% R.H.	100	HRS	80	0 TO0ZBQ001FD
BIASED MOISTURE	1221	MAX11040GUU+	130C, 85% R.H.	100	HRS	32	0 TT0ZCQ001Q1
BIASED MOISTURE	1221	MAX11040GUU+	130C, 85% R.H.	100	HRS	32	0 TT0ZCQ001Q2
BIASED MOISTURE	1221	MAX11040GUU+	130C, 85% R.H.	100	HRS	33	0 TT0ZCQ001Q3
BIASED MOISTURE	1221	MAX16834ATP/V+	130C, 85% R.H.	100	HRS	80	0 TNOZBA0026D#
BIASED MOISTURE	1224	MAX16916GUB/V+	130C, 85% R.H.	100	HRS	80	0 TAEZ7Q003A#
BIASED MOISTURE	1226	MAX16834ATP+	130C, 85% R.H.	100	HRS	78	0 TNOZBA0027I#
BIASED MOISTURE	1232	MAX16946GEE/V+	130C, 85% R.H.	100	HRS	33	0 TZOZCA008BA
BIASED MOISTURE	1232	MAX16946GEE/V+	130C, 85% R.H.	100	HRS	33	0 TZOZCA008DA
BIASED MOISTURE	1232	MAX16946GEE/V+	130C, 85% R.H.	100	HRS	35	1 TZOZCA008CA
BIASED MOISTURE	1233	MAX16946GEE/V+	130C, 85% R.H.	100	HRS	33	0 TZOZCA009BA



BIASED MOISTURE	1234	MAX17075GTG/V+	130C, 85% R.H.	100	HRS	80	0	TLYZGA282A#	
BIASED MOISTURE	1237	MAX16975BAEE/V+	130C, 85% R.H.	100	HRS	48	0	TK6ZDA004JA	
BIASED MOISTURE	1241	MAX16907RATE/V+	130C, 85% R.H.	100	HRS	77	0	TP5ZCA007KA	
BIASED MOISTURE	1241	MAX16907RATE/V+	130C, 85% R.H.	100	HRS	77	0	TP5ZCA008C#	
<b>Total:</b>							<b>1</b>		

---

**UNBIASED MOISTURE RESISTANCE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.	
MOISTURE SOAK	1022	MAX13325GUI/V+	130C, 85% R.H.	96	HRS	80	0	TZYZCA003B
MOISTURE SOAK	1028	MAX13325GUI/V+	130C, 85% R.H.	96	HRS	80	1	TZYZCA003A
MOISTURE SOAK	1206	MAX13325GUI/V+	130C, 85% R.H.	96	HRS	80	0	TZYZCA006IX
MOISTURE SOAK	1221	MAX11040GUU+	130C, 85% R.H.	100	HRS	80	0	TT0ZCQ001Q1
MOISTURE SOAK	1221	MAX11040GUU+	130C, 85% R.H.	100	HRS	80	0	TT0ZCQ001Q2
MOISTURE SOAK	1221	MAX16975AAEE/V+	130C, 85% R.H.	100	HRS	80	0	TK6ZDQ003H
MOISTURE SOAK	1226	MAX16834ATP+	130C, 85% R.H.	100	HRS	80	0	TNOZBA0271#
MOISTURE SOAK	1227	MAX17094ETM+	85 C/85% R.H.	1000	HRS	37	0	TQGZD3085Q1
MOISTURE SOAK	1227	MAX17094ETM+	130C, 85% R.H.	500	HRS	80	0	TQGZD3085Q3
MOISTURE SOAK	1227	MAX17094ETM+	85 C/85% R.H.	1000	HRS	43	0	TQGZD3085Q2
MOISTURE SOAK	1232	MAX16946GEE/V+	130C, 85% R.H.	100	HRS	80	0	TZOZCA008BA
MOISTURE SOAK	1232	MAX16946GEE/V+	130C, 85% R.H.	100	HRS	80	0	TZOZCA008DA
MOISTURE SOAK	1232	MAX16946GEE/V+	130C, 85% R.H.	100	HRS	80	0	TZOZCA008CA
MOISTURE SOAK	1233	MAX16946GEE/V+	130C, 85% R.H.	100	HRS	79	0	TZOZCA009CA
MOISTURE SOAK	1233	MAX16946GEE/V+	130C, 85% R.H.	100	HRS	80	0	TZOZCA009BA
MOISTURE SOAK	1233	MAX16946GEE/V+	130C, 85% R.H.	100	HRS	80	0	TZOZCA009DA
MOISTURE SOAK	1234	MAX17075GTG/V+	130C, 85% R.H.	100	HRS	80	0	TLYZGA282A#
MOISTURE SOAK	1235	MAX7360ETL+	130C, 85% R.H.	100	HRS	80	0	TQOZBQ002E#
MOISTURE SOAK	1237	MAX16975BAEE/V+	130C, 85% R.H.	100	HRS	80	0	TK6ZDA004JA
MOISTURE SOAK	1237	MAX16975BAEE/V+	130C, 85% R.H.	100	HRS	80	0	TK6ZDA005DA

MOISTURE SOAK	1241	MAX16907RATE/V+	130C, 85% R.H.	100	HRS	80	0	TP5ZCA008BA
MOISTURE SOAK	1241	MAX16907RATE/V+	130C, 85% R.H.	100	HRS	80	0	TP5ZCA008C#
MOISTURE SOAK	1243	MAX16834ATP+	130C, 85% R.H.	100	HRS	80	0	TNOZBA032AB
MOISTURE SOAK	1245	MAX16907RATE/V+	130C, 85% R.H.	96	HRS	80	0	TP5ZCA009AA
MOISTURE SOAK	1246	MAX44009EDT+T	85 C/85% R.H.	500	HRS	45	0	TAAL5A024Q1
MOISTURE SOAK	1246	MAX44009EDT+	85 C/85% R.H.	500	HRS	45	0	TAAL5A024Q2
MOISTURE SOAK	1246	MAX44009EDT+	85 C/85% R.H.	500	HRS	45	0	TAAL5A024Q3
MOISTURE SOAK	1247	MAX16975BAEE/V+	130C, 85% R.H.	100	HRS	80	0	TK6ZDA006AA
MOISTURE SOAK	1249	MAX16969BGEE/V+	130C, 85% R.H.	100	HRS	80	0	TR1YBA012AA
MOISTURE SOAK	1250	MAX16969BGEE/V+	130C, 85% R.H.	100	HRS	80	0	TR1YBA011FA
MOISTURE SOAK	1252	MAX16975AAEE/V+	130C, 85% R.H.	100	HRS	80	0	TK6ZDA004MA
							<b>Total:</b>	<b>1</b>

**FAILURE RATE: MTTF (YRS): 391338 QUANTITY: 3512 FAILS: 0 FITS: 0.3**