



4/8/2009

**RELIABILITY MONITOR REPORT  
FOR**

**SVL 0.4 $\mu$ m Silicon Gate CMOS**

**MAXIM Integrated Products**

**120 San Gabriel Dr.  
Sunnyvale, CA 94086**

**This Report was prepared by  
Maxim 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:

MAX13042EETD	MAX1358BETL+	MAX1510ETB+	MAX16803ATE+	MAX16836AT1
MAX16836ATE	MAX16836ATE*	MAX16836ATE+	MAX17017AL1	MAX17017ETM
MAX17017GTM	MAX17079GTL+	MAX1782ETM+	MAX1785EUU+	MAX1786EUI+
MAX19860EXP+	MAX3420EETG+	MAX4740EVE+	MAX4886ETO	MAX4886ETO+
MAX4944ELA+T	MAX4945LELA+	MAX4967EGEE+	MAX4996LETG+	MAX5679ETJ
MAX5679ETJ+	MAX6960ATH+	MAX7302ATE+	MAX7454UUP+	MAX7477CT1
MAX7477CTI	MAX7477CTI+	MAX7665BATM	MAX8556ETE+	MAX8557ETE+
MAX8611ETM+	MAX8611VETM	MAX8625AETD	MAX8630XETD	MAX8630XETD
MAX8631XETI+	MAX8670AETL+	MAX8676ELB+G	MAX8676EWJ+T	MAX8680ETL+
MAX8695PELR+	MAX8697SEWQ	MAX8727ETB+	MAX8748ETL	MAX8784ETL
MAX8784ETL+	MAX8790ETP+	MAX8792ETD+T	MAX8795AETJ+	MAX8795AGCJ+
MAX8795G CJ+	MAX8798ETX+	MAX8814ETA+	MAX8821ETI+	MAX8830EWE+
MAX8855ETJ+	MAX8857AETL+	MAX8901AETA	MAX9512ATE+	MAX9516ALB+
MAX9524ATC+	MAX9585AUB+	MAX9587AZT+	MAX9588AUA+	MAX9853ETM+
MAX9856ETL+	MAX9877ETG+	MAXQ3180	MAXQ7665BAT	MAXQ7666BAT

The calculated failure rate for devices using this process is:

**FAILURE RATE:**                      **MTTF (YRS): 131286**                      **FITS: 0.9**

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 7/1/2007 and 6/30/2008 .

**Process Information:**

Process Description:                      SVL 0.4µm Silicon Gate CMOS

**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE		MAX8901AETA+T	135C	192 HRS	48	0	SFBZEQ001DQ
HIGH TEMP OP LIFE		MAX5679ETJ+	135C	192 HRS	50	1	TKLZAQ001AQ
HIGH TEMP OP LIFE	074	MAX1785EUU+	135C	500 HRS	80	0	SK61H2040A
HIGH TEMP OP LIFE	0628	MAX3420EETG+	135C	192 HRS	55	0	SXO0DQ003AQ
HIGH TEMP OP LIFE	0634	MAX8670AETL+	135C	192 HRS	47	0	SU44BA072CQ
HIGH TEMP OP LIFE	0635	MAX8695PELR+	135C	1000 HRS	44	0	SW61AQ003C#
HIGH TEMP OP LIFE	0639	MAX9853ETM+	135C	192 HRS	48	0	SN1AIA165AQ
HIGH TEMP OP LIFE	0639	MAX9853ETM+	135C	192 HRS	48	0	SN1AIA165AQ
HIGH TEMP OP LIFE	0640	MAX6960ATH+	135C	192 HRS	50	0	SJD0DQ001CQ
HIGH TEMP OP LIFE	0645	MAX9587AZT+	135C	192 HRS	50	0	SDMZAQ001CQ
HIGH TEMP OP LIFE	0648	MAX9588AUA+	135C	192 HRS	48	0	SEKZAQ001BQ
HIGH TEMP OP LIFE	0649	MAX13042EETD+	135C	192 HRS	48	0	SEFZAQ001EQ

HIGH TEMP OP LIFE	0651	MAX9856ETL+	135C	192	HRS	55	0	SZ10BQ001BQ
HIGH TEMP OP LIFE	0651	MAX9856ETL+	135C	192	HRS	55	0	SZ10BQ001BQ
HIGH TEMP OP LIFE	0703	MAX9585AUB+	135C	192	HRS	55	0	TETZAQ001FQ
HIGH TEMP OP LIFE	0707	MAX8790ETP+	135C	1000	HRS	45	0	TV20FU003D
HIGH TEMP OP LIFE	0709	MAX4886ETO+	135C	192	HRS	48	0	NBSTA AFQ
HIGH TEMP OP LIFE	0711	MAX8625AETD+	135C	192	HRS	50	0	SCT0FY002BQ
HIGH TEMP OP LIFE	0711	MAX8625AETD+	135C	192	HRS	50	0	SCT0FY002BQ
HIGH TEMP OP LIFE	0714	MAX8795AETJ+	135C	192	HRS	48	0	SAHYCQ003DQ
HIGH TEMP OP LIFE	0714	MAX4945LELA+	135C	192	HRS	48	0	SY96D3010AQ
HIGH TEMP OP LIFE	0715	MAX1785EUU+	135C	1000	HRS	80	0	SK61DZ019A
HIGH TEMP OP LIFE	0716	MAX8611VETM+	135C	192	HRS	48	0	SVZ4E38A9BQ
HIGH TEMP OP LIFE	0717	MAXQ7665BATM+	135C	500	HRS	48	0	NCJTAAA#
HIGH TEMP OP LIFE	0717	MAXQ7665BATM+	135C	1000	HRS	48	0	NCJTAAB#
HIGH TEMP OP LIFE	0717	MAXQ7665BATM+	135C	1000	HRS	48	0	NCJTAAC#
HIGH TEMP OP LIFE	0718	MAX7302ATE+	135C	192	HRS	50	0	SP30DQ003CQ
HIGH TEMP OP LIFE	0719	MAX8630XETD20+	135C	192	HRS	48	0	SJCBAA045DQ
HIGH TEMP OP LIFE	0719	MAX8630XETD20+	135C	192	HRS	48	0	SJCBAA045DQ
HIGH TEMP OP LIFE	0719	MAX8784ETL+	135C	1000	HRS	47	0	SX40EQ001GX
HIGH TEMP OP LIFE	0719	MAX9853ETM+	135C	1000	HRS	79	0	EN1ANQ002B
HIGH TEMP OP LIFE	0719	MAX9853ETM+	135C	1000	HRS	79	0	EN1ANQ002B
HIGH TEMP OP LIFE	0719	MAX8630XETD20+	135C	1000	HRS	48	0	SJCBAA045D
HIGH TEMP OP LIFE	0719	MAX8630XETD20+	135C	1000	HRS	48	0	SJCBAA045D
HIGH TEMP OP LIFE	0720	MAX8790ETP+	135C	500	HRS	76	0	TV20FA004EA
HIGH TEMP OP LIFE	0720	MAX8790ETP+	135C	1000	HRS	76	0	TV20FA004EA
HIGH TEMP OP LIFE	0721	MAX8611ETM+	135C	500	HRS	65	0	EVZ1RQ002C
HIGH TEMP OP LIFE	0721	MAX8611ETM+	135C	1000	HRS	65	0	EVZIRQ002C
HIGH TEMP OP LIFE	0722	MAX1510ETB+	135C	500	HRS	48	0	SJM0CA029C#
HIGH TEMP OP LIFE	0722	MAX1510ETB+	135C	1000	HRS	48	0	SJM0CA029C
HIGH TEMP OP LIFE	0723	MAX9524ATC+	135C	192	HRS	48	0	SDZZBQ002DQ
HIGH TEMP OP LIFE	0725	MAX8855ETJ+	135C	192	HRS	48	0	SN00EQ003DQ
HIGH TEMP OP LIFE	0726	MAX8814ETA+	135C	192	HRS	55	0	SIKZAU001BQ
HIGH TEMP OP LIFE	0726	MAX9516ALB+	135C	192	HRS	48	0	SDJZCQ002BQ
HIGH TEMP OP LIFE	0727	MAX9512ATE+	135C	192	HRS	48	0	SS91BA004BQ
HIGH TEMP OP LIFE	0728	MAX8792ETD+T	135C	192	HRS	45	0	SBWZEQ002BQ
HIGH TEMP OP LIFE	0728	MAX8790ETP+	135C	1000	HRS	50	0	TV20GA008AQ
HIGH TEMP OP LIFE	0730	MAX8798ETX+	135C	192	HRS	55	0	NBKTA AKQ
HIGH TEMP OP LIFE	0734	MAXQ7665BATM+	135C	500	HRS	48	0	NCJTAAD#
HIGH TEMP OP LIFE	0736	MAX8795AETJ+	135C	360	HRS	48	0	SAHYCA007B#
HIGH TEMP OP LIFE	0739	MAX16803ATE+	135C	1000	HRS	80	0	S0000Q231BD
HIGH TEMP OP LIFE	0739	MAX17017AL1	135C	500	HRS	76	0	SGEZCQ002C

HIGH TEMP OP LIFE	0739	MAX17017ETM+	135C	1000	HRS	77	0	SGEZCQ002FA
HIGH TEMP OP LIFE	0739	MAX17017ETM+	135C	1	HRS	71	0	SGTZCQ003B
HIGH TEMP OP LIFE	0739	MAX17017ETM+	135C	192	HRS	80	0	SGEZCG003B
HIGH TEMP OP LIFE	0739	MAX17017ETM+	135C	500	HRS	75	0	SGEZCQ003B
HIGH TEMP OP LIFE	0739	MAX1785EUU+	135C	500	HRS	79	0	SK61HZ044C
HIGH TEMP OP LIFE	0740	MAX8857AETL+	135C	192	HRS	48	0	SGJEZ3002CR
HIGH TEMP OP LIFE	0741	MAX5679ETJ	135C	192	HRS	47	1	TKLZAU001DQ
HIGH TEMP OP LIFE	0742	MAX17079GTL+	135C	192	HRS	48	0	SMFZBQ001BQ
HIGH TEMP OP LIFE	0742	MAX4996LETG+	135C	192	HRS	48	0	TKIZA3001BQ
HIGH TEMP OP LIFE	0744	MAX8784ETL+	135C	1000	HRS	43	0	TX40FQ001AC
HIGH TEMP OP LIFE	0744	MAX8748ETL	135C	114	HRS	33	0	TX40FQ001AC
HIGH TEMP OP LIFE	0744	MAX8784ETL	135C	1000	HRS	33	0	TX40FQ001AC
HIGH TEMP OP LIFE	0745	MAX1785EUU+	135C	1000	HRS	80	0	SK61H2040A
HIGH TEMP OP LIFE	0746	MAX8821ETI+	135C	192	HRS	50	0	SCRZBQ003AQ
HIGH TEMP OP LIFE	0747	MAX1785EUU+	135C	192	HRS	53	0	SK61FA046BQ
HIGH TEMP OP LIFE	0749	MAXQ3180	125C, 3.6 VOLTS	1000	HRS	44	0	QK774000AAA
HIGH TEMP OP LIFE	0749	MAX1358BETL+	135C	192	HRS	80	0	SJ0E2034A
HIGH TEMP OP LIFE	0749	MAX1358BETL+	135C	192	HRS	80	0	SJ0E2034A
HIGH TEMP OP LIFE	0752	MAX8857AETL+	135C	192	HRS	55	0	SGJZE4020EQ
HIGH TEMP OP LIFE	0752	MAX8680ETL+	135C	468	HRS	45	0	ECHZHQ001B
HIGH TEMP OP LIFE	0801	MAXQ7666BATM+	135C	500	HRS	48	0	NDGTBAB#
HIGH TEMP OP LIFE	0801	MAXQ7665BATM+	135C	1000	HRS	48	0	NDGTBAB
HIGH TEMP OP LIFE	0801	MAXQ7666BATM+	135C	500	HRS	48	0	NDGTBAC#
HIGH TEMP OP LIFE	0801	MAXQ7665BATM+	135C	1000	HRS	48	0	NDGBAC
HIGH TEMP OP LIFE	0801	MAXQ7666BATM+	135C	500	HRS	48	0	NDGTBBA#
HIGH TEMP OP LIFE	0801	MAXQ7665BATM+	135C	1000	HRS	47	0	NDGTBAD
HIGH TEMP OP LIFE	0802	MAX8631XETI+	135C	192	HRS	80	0	TDPCCA291H
HIGH TEMP OP LIFE	0803	MAX9877ETG+	135C	192	HRS	55	0	SLTZCQ001DQ
HIGH TEMP OP LIFE	0806	MAX8857AETL+	135C	264	HRS	80	0	EGJZFFQ001C
HIGH TEMP OP LIFE	0806	MAX8857AETL+	135C	468	HRS	80	0	EGJZFFQ001C
HIGH TEMP OP LIFE	0807	MAX16836ATE+	135C	1	HRS	80	0	SGIZEQ001FA
HIGH TEMP OP LIFE	0808	MAX16836ATE+	135C	500	HRS	69	0	SG1ZEQ002E
HIGH TEMP OP LIFE	0808	MAX16836ATE	135C	1000	HRS	69	0	SGIZEQ002E
HIGH TEMP OP LIFE	0814	MAX17017GTM+	135C	192	HRS	77	0	TGEZIZ001PA
HIGH TEMP OP LIFE	0814	MAX1786EUI+	135C	192	HRS	48	0	SIOYCZ008FQ
HIGH TEMP OP LIFE	720	MAX1782ETM+	135C	1000	HRS	300	0	SML3HA603A
HIGH TEMP OP LIFE	739	MAX1785EUU+	135C	0	HRS	80	0	SK61HZ044A
HIGH TEMP OP LIFE	746	MAX1785EUU+	135C	1000	HRS	80	0	SK61H2041A
HIGH TEMP OP LIFE	U20E	MAX7454UUP+	135C	1000	HRS	80	0	SSWOB2024C

**STORAGE LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	0651	MAX4740EVE+	150C	1000 HRS	76	0	SQ60AQ001QD
STORAGE LIFE	0651	MAX4740EVE+	150C	1000 HRS	76	0	SQ60AQ001QE
STORAGE LIFE	0651	MAX4740EVE+	150C	1000 HRS	77	0	SQ60AQ001QF
STORAGE LIFE	0712	MAX1785EUU+	150C	1000 HRS	79	0	SK61DZ020A
STORAGE LIFE	0712	MAX1785EUU+	150C	1000 HRS	80	0	SK61DZ020A
STORAGE LIFE	0715	MAX1785EUU+	150C	1000 HRS	80	0	SK61DZ019A
STORAGE LIFE	0715	MAX1785EUU+	150C	1000 HRS	80	0	SK61DZ019A
STORAGE LIFE	0717	MAXQ7665BATM+	150C	1000 HRS	80	0	NCJTAAA#
STORAGE LIFE	0717	MAXQ7665BATM+	150C	1000 HRS	79	0	NCJTAAB#
STORAGE LIFE	0717	MAXQ7665BATM+	150C	1000 HRS	80	0	NCJTAAC#
STORAGE LIFE	0719	MAX8784ETL+	150C	1000 HRS	77	0	SX40EQ001GX
STORAGE LIFE	0719	MAX9853ETM+	150C	1000 HRS	79	0	EN1ANQ002B
STORAGE LIFE	0719	MAX9853ETM+	150C	1000 HRS	79	0	EN1ANQ002B
STORAGE LIFE	0719	MAX8630XETD20+	150C	500 HRS	80	0	SJCBAA045D
STORAGE LIFE	0719	MAX8630XETD20+	150C	500 HRS	80	0	SJCBAA045D
STORAGE LIFE	0719	MAX8630XETD20	150C	1000 HRS	80	0	SJCBAA045D
STORAGE LIFE	0719	MAX8630XETD20	150C	1000 HRS	80	0	SJCBAA045D
STORAGE LIFE	0720	MAX8790ETP+	150C	1000 HRS	77	0	TV20FA004EA
STORAGE LIFE	0721	MAX8611ETM+	150C	1000 HRS	73	0	EVZ1RQ002C
STORAGE LIFE	0722	MAX1510ETB+	150C	500 HRS	80	0	SJM0CA029C#
STORAGE LIFE	0722	MAX1510ETB+	150C	1000 HRS	80	0	SJM0CA029C
STORAGE LIFE	0726	MAX8795AGCJ+	150C	1000 HRS	78	0	SAHYCA004B#
STORAGE LIFE	0730	MAX8611VETM+	150C	500 HRS	80	0	SVZ4AA4C7C#
STORAGE LIFE	0730	MAX8611VETM+	150C	1000 HRS	80	0	SVZ4AA4C7C
STORAGE LIFE	0734	MAXQ7665BATM+	150C	500 HRS	80	0	NCJTAAD#
STORAGE LIFE	0734	MAXQ7665BATM+	150C	500 HRS	80	0	NCJTAAE#
STORAGE LIFE	0734	MAXQ7665BATM+	150C	500 HRS	80	0	NCJTAAF#
STORAGE LIFE	0739	MAX16803ATE+	150C	1000 HRS	80	0	S0000Q231BD
STORAGE LIFE	0739	MAX17017ETM+	150C	1000 HRS	80	0	SGEZCQ002FA
STORAGE LIFE	0739	MAX17017ETM+	150C	1000 HRS	76	0	SGEZCQ003B
STORAGE LIFE	0739	MAX1785EUU+	150C	1000 HRS	80	0	SK61HZ044C
STORAGE LIFE	0740	MAX8857AETL+	150C	1000 HRS	80	0	SGJEZ3002CR
STORAGE LIFE	0743	MAX7477CT1	150C	500 HRS	80	0	SZ80B2006DA
STORAGE LIFE	0743	MAX7477CTI+	150C	1000 HRS	80	0	SZ80B2006DA
STORAGE LIFE	0744	MAX8784ETL+	150C	1000 HRS	79	0	TX40FQ001AC
STORAGE LIFE	0746	MAX1785EUU+	150C	1000 HRS	80	0	SK61H2041A

STORAGE LIFE	0752	MAX8680ETL+	150C	1000	HRS	79	0	ECHZHQ001B
STORAGE LIFE	0801	MAXQ7666BATM+	150C	1000	HRS	80	0	NDGTBAB#
STORAGE LIFE	0803	MAX1510ETB+	150C	1000	HRS	80	0	SJM0CA046GB
STORAGE LIFE	0804	MAX7454UUP+	150C	500	HRS	80	0	SSWOB2024C
STORAGE LIFE	0804	MAX7454UUP+	150C	1000	HRS	80	0	SSW0B2024C
STORAGE LIFE	0805	MAX8680ETL+	150C	1000	HRS	80	0	ECHZHQ001A
STORAGE LIFE	0806	MAX8857AETL+	150C	1	HRS	80	0	ECJZFQ001C
STORAGE LIFE	0806	MAX8857AETL+	150C	500	HRS	80	0	EGJZFQ001C
STORAGE LIFE	0807	MAX16836ATE+	150C	1000	HRS	80	0	SG1ZEQ001FA
STORAGE LIFE	0808	MAX8611VETM+	150C	1000	HRS	80	0	EVZ4FA004A
STORAGE LIFE	0808	MAX8611VETM+	150C	1000	HRS	80	0	EVZ4FA005A
STORAGE LIFE	0808	MAX16836AT1	150C	500	HRS	80	0	SGIZEQ002E
STORAGE LIFE	0808	MAX16836ATE*	150C	1000	HRS	80	0	SGIZEQ002E
STORAGE LIFE	0814	MAX17017GTM+	150C	500	HRS	80	0	TGEZIZ001PA
STORAGE LIFE	745	MAX1785EUU+	150C	1000	HRS	80	0	SK61H2040A
STORAGE LIFE	N/A	MAX8697SEWQ+T	150C	500	HRS	67	0	SKQYBY001A
<b>Total:</b>						<b>0</b>		

#### TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 15' RAMP, 15' DWELL		MAX8830EWE+T	-40C TO +125C	1000	CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	072	MAX8790ETP+	-65C TO 150C	1000	CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0639	MAX8611ETM+	-65C TO 150C	500	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0651	MAX4740EVE+	-65C TO 150C	1000	CYS	76	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0651	MAX4740EVE+	-65C TO 150C	1000	CYS	73	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0651	MAX4740EVE+	-65C TO 150C	1000	CYS	76	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0707	MAX8790ETP+	-65C TO 150C	1000	CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0712	MAX19860EXP+	-65C TO 150C	1000	CYS	130	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0712	MAX19860EXP+	-65C TO 150C	1000	CYS	103	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0712	MAX1785EUU+	-65C TO 150C	1000	CYS	79	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0715	MAX1785EUU+	-65C TO 150C	1000	CYS	78	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0717	MAX7665BATM+	-65C TO 150C	500	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0717	MAXQ7665BATM+	-65C TO 150C	500	CYS	80	0

TEMP CYCLE, 5' RAMP, 10' DWELL	0717	MAXQ7665BATM+	-65C TO 150C	500	CYS	81	0	NCJTAAABC#
TEMP CYCLE, 5' RAMP, 10' DWELL	0717	MAXQ7665BATM+	-65C TO 150C	1000	CYS	81	0	NCJTAAA/B/C
TEMP CYCLE, 5' RAMP, 10' DWELL	0719	MAX8784ETL+	-65C TO 150C	1000	CYS	76	0	SX40EQ001GX
TEMP CYCLE, 5' RAMP, 10' DWELL	0719	MAX9853ETM+	-65C TO 150C	1000	CYS	80	0	EN1ANQ002B
TEMP CYCLE, 5' RAMP, 10' DWELL	0719	MAX9853ETM+	-65C TO 150C	1000	CYS	80	0	EN1ANQ002B
TEMP CYCLE, 5' RAMP, 10' DWELL	0719	MAX8630XETD20+	-65C TO 150C	1000	CYS	80	0	SJCBAA045D
TEMP CYCLE, 5' RAMP, 10' DWELL	0719	MAX8630XETD20+	-65C TO 150C	1000	CYS	80	0	SJCBAA045D
TEMP CYCLE, 5' RAMP, 10' DWELL	0721	MAX8611ETM+	-65C TO 150C	1000	CYS	80	0	EVZ1RQ002C
TEMP CYCLE, 5' RAMP, 10' DWELL	0722	MAX1510ETB+	-65C TO 150C	1000	CYS	80	0	SJM0CA029C
TEMP CYCLE, 5' RAMP, 10' DWELL	0725	MAX4886ETO+	-65C TO 150C	500	CYS	77	0	NBSTAACKQ1
TEMP CYCLE, 5' RAMP, 10' DWELL	0725	MAX4886ETO	-65C TO 150C	1000	CYS	77	0	NBSTAACKQ1
TEMP CYCLE, 5' RAMP, 10' DWELL	0725	MAX4886ETO+	-65C TO 150C	500	CYS	77	0	NBSTAACKQ2
TEMP CYCLE, 5' RAMP, 10' DWELL	0725	MAX4886ETO	-65C TO 150C	1000	CYS	77	0	NBSTAACKQ2
TEMP CYCLE, 5' RAMP, 10' DWELL	0725	MAX4886ETO+	-65C TO 150C	1000	CYS	77	0	NBSTAACKQ3
TEMP CYCLE, 5' RAMP, 10' DWELL	0726	MAX8795AGCJ+	-65C TO 150C	500	CYS	77	0	SAHYCA004B#
TEMP CYCLE, 5' RAMP, 10' DWELL	0730	MAX8611VETM+	-65C TO 150C	1000	CYS	80	0	SVZ4AA4C7C
TEMP CYCLE, 5' RAMP, 10' DWELL	0739	MAX16803ATE+	-65C TO 150C	500	CYS	80	0	S0000Q231BD
TEMP CYCLE, 5' RAMP, 10' DWELL	0739	MAX17017ETM+	-65C TO 150C	500	CYS	73	0	SGEZCQ002C
TEMP CYCLE, 5' RAMP, 10' DWELL	0739	MAX17017ETM+	-65C TO 150C	1000	CYS	79	0	SGEZCQ002FA
TEMP CYCLE, 5' RAMP, 10' DWELL	0739	MAX1785EEU+	-65C TO 150C	1000	CYS	79	0	SK61HZ044A
TEMP CYCLE, 5' RAMP, 10' DWELL	0743	MAX7477CT1	-65C TO 150C	200	CYS	80	0	SZ80B2006DA
TEMP CYCLE, 5' RAMP, 10' DWELL	0743	MAX7477CTI	-65C TO 150C	500	CYS	80	0	SZ80B2006DA
TEMP CYCLE, 5' RAMP, 10' DWELL	0743	MAX7477CTI+	-65C TO 150C	1000	CYS	80	0	SZ80B2006DA
TEMP CYCLE, 5' RAMP, 10' DWELL	0744	MAX8784ETL+	-65C TO 150C	1000	CYS	79	0	TX40FQ001AC
TEMP CYCLE, 5' RAMP, 10' DWELL	0745	MAX1785EEU+	-65C TO 150C	1000	CYS	80	0	SK61H2040A
TEMP CYCLE, 5' RAMP, 10' DWELL	0746	MAX1785EEU+	-65C TO 150C	500	CYS	79	0	SK61H2041A
TEMP CYCLE, 5' RAMP, 10' DWELL	0746	MAX1785EEU+	-65C TO 150C	1000	CYS	79	0	SK61H2041A

TEMP CYCLE, 5' RAMP, 10' DWELL	0751	MAX8557ETE+	-65C TO 150C	300	CYS	80	0	SNA0HA027J
TEMP CYCLE, 5' RAMP, 10' DWELL	0751	MAX8556ETE+	-65C TO 150C	400	CYS	80	0	SNAOHA027J
TEMP CYCLE, 5' RAMP, 10' DWELL	0752	MAX8680ETL+	-65C TO 150C	1000	CYS	80	0	ECHZHQ001B
TEMP CYCLE, 5' RAMP, 10' DWELL	0801	MAXQ7666BATM+	-65C TO 150C	1000	CYS	80	0	NDGTBAB#
TEMP CYCLE, 5' RAMP, 10' DWELL	0801	MAXQ7666BATM+	-65C TO 150C	500	CYS	77	0	NDGTBAC
TEMP CYCLE, 5' RAMP, 10' DWELL	0801	MAXQ7666BATM+	-65C TO 150C	1000	CYS	77	0	NDGTBAD#
TEMP CYCLE, 5' RAMP, 10' DWELL	0803	MAX1510ETB+	-65C TO 150C	1000	CYS	80	0	SJM0CA046GB
TEMP CYCLE, 5' RAMP, 10' DWELL	0804	MAX7454UUP+	-65C TO 150C	200	CYS	80	0	SSWOB2024C
TEMP CYCLE, 5' RAMP, 10' DWELL	0804	MAX7454UUP+	-65C TO 150C	1000	CYS	80	0	SSW0B2024C
TEMP CYCLE, 5' RAMP, 10' DWELL	0805	MAX8680ETL+	-65C TO 150C	1000	CYS	80	0	ECHZHQ001A
TEMP CYCLE, 5' RAMP, 10' DWELL	0805	MAX4944ELA+T	-65C TO 150C	250	CYS	291	0	SY91D3044AB
TEMP CYCLE, 5' RAMP, 10' DWELL	0805	MAX4944ELA+T	-65C TO 150C	250	CYS	290	0	SY91D3044AC
TEMP CYCLE, 5' RAMP, 10' DWELL	0806	MAX8857AETL+	-65C TO 150C	1000	CYS	80	0	EGJZFQ001C
TEMP CYCLE, 5' RAMP, 10' DWELL	0807	MAX16836ATE+	-65C TO 150C	1000	CYS	80	0	SG1ZEQ001FA
TEMP CYCLE, 5' RAMP, 10' DWELL	0808	MAX8611VETM+	-65C TO 150C	1000	CYS	80	0	EVZ4FA005A
TEMP CYCLE, 5' RAMP, 10' DWELL	0814	MAX17017GTM+	-65C TO 150C	500	CYS	80	0	TGEZIZ001PA
TEMP CYCLE, 5' RAMP, 10' DWELL	0815	MAX8556ETE+	-65C TO 150C	300	CYS	77	0	SNAOHA030B
TEMP CYCLE, 15' RAMP, 15' DWELL	N/A	MAX8830EWE+T	-40C TO +125C	500	CYS	77	0	MODULES
TEMP CYCLE, 15' RAMP, 15' DWELL	N/A	MAX8830EWE+T	-40C TO +125C	1000	CYS	77	0	WAFER #10
TEMP CYCLE, 15' RAMP, 15' DWELL	N/A	MAX8830EWE+T	-40C TO +125C	1000	CYS	77	0	WAFER #04
TEMP CYCLE, 15' RAMP, 15' DWELL	N/A	MAX8830EWE+T	-40C TO +125C	1000	CYS	77	0	N/A
TEMP CYCLE, 15' RAMP, 15' DWELL	N/A	MAX8676EWJ+T	-40C TO +125C	1000	CYS	77	0	SHWZBQ001B
TEMP CYCLE, 5' RAMP, 10' DWELL	N/A	MAX8676EWJ+T	-65C TO 150C	500	CYS	77	0	SHWZBQ001B
TEMP CYCLE, 15' RAMP, 15' DWELL	N/A	MAX8676EWJ+T	-40C TO +125C	1000	CYS	77	0	SHWZBQ001C
TEMP CYCLE, 5' RAMP, 10' DWELL	N/A	MAX8676EWJ+T	-65C TO 150C	500	CYS	77	0	SHWZBQ001C
TEMP CYCLE, 15' RAMP, 15' DWELL	N/A	MAX8676EWJ+T	-40C TO +125C	1000	CYS	73	0	SHWZBQ001D



TEMP CYCLE, 5' RAMP, 10' DWELL	N/A	MAX8676EWJ+T	-65C TO 150C	500	CYS	77	0	SHWZBQ001D
TEMP CYCLE, 5' RAMP, 5' DWELL	N/A	MAX8697SEWQ+T	-20C to +125C	700	CYS	76	0	SKQYBY001A
TEMP CYCLE, 5' RAMP, 5' DWELL	N/A	MAX8697SEWQ+T	-20C to +125C	1000	CYS	76	0	SKQYBY001A
<b>Total:</b>							<b>0</b>	

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### TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
BIASED MOISTURE	0648	MAX8790ETP+	130C, 85% R.H.	100	HRS	45	0 TV20F3002
BIASED MOISTURE	0651	MAX4740EVE+	130C, 85% R.H.	96	HRS	45	0 SQ60AQ001QD
BIASED MOISTURE	0651	MAX4740EVE+	130C, 85% R.H.	96	HRS	45	0 SQ60AQ001QE
BIASED MOISTURE	0707	MAX8790ETP+	130C, 85% R.H.	100	HRS	44	0 TV20FU003D
BIASED MOISTURE	0712	MAX1785EUU+	130C, 85% R.H.	96	HRS	48	0 SK61DZ020A
BIASED MOISTURE	0715	MAX1785EUU+	130C, 85% R.H.	100	HRS	50	0 SK61DZ019A
BIASED MOISTURE	0716	MAX9853ETM+	130C, 85% R.H.	100	HRS	9	0 EN1ANQ001B
BIASED MOISTURE	0717	MAX7665BATM+	130C, 85% R.H.	96	HRS	81	0 NCJTAAA
BIASED MOISTURE	0717	MAXQ7665BATM+	130C, 85% R.H.	96	HRS	50	0 NCJTAAA
BIASED MOISTURE	0717	MAXQ7665BATM+	130C, 85% R.H.	100	HRS	50	0 NCJTAAB#
BIASED MOISTURE	0719	MAX8784ETL+	130C, 85% R.H.	100	HRS	45	0 SX40EQ001GX
BIASED MOISTURE	0719	MAX9853ETM+	130C, 85% R.H.	100	HRS	9	0 EN1ANQ002B
BIASED MOISTURE	0719	MAX9853ETM+	130C, 85% R.H.	100	HRS	9	0 EN1ANQ002B
BIASED MOISTURE	0719	MAX8630XETD20+	130C, 85% R.H.	96	HRS	50	0 SJCBA0045D
BIASED MOISTURE	0719	MAX8630XETD20+	130C, 85% R.H.	96	HRS	50	0 SJCBA0045D
BIASED MOISTURE	0720	MAX8790ETP+	130C, 85% R.H.	96	HRS	45	0 TV20FA004EA
BIASED MOISTURE	0721	MAX8611ETM+	130C, 85% R.H.	96	HRS	16	0 EVZ1RQ002C
BIASED MOISTURE	0722	MAX1510ETB+	130C, 85% R.H.	96	HRS	50	0 SJMOCA029C
BIASED MOISTURE	0739	MAX16803ATE+	130C, 85% R.H.	100	HRS	45	0 S0000Q231BD
BIASED MOISTURE	0739	MAX17017ETM+	130C, 85% R.H.	96	HRS	14	0 SGEZCQ002C
BIASED MOISTURE	0739	MAX17017ETM+	130C, 85% R.H.	100	HRS	44	0 SGEZCQ002FA
BIASED MOISTURE	0739	MAX17017ETM+	130C, 85% R.H.	96	HRS	14	0 SGEZCQ003B
BIASED MOISTURE	0740	MAX8857AETL+	130C, 85% R.H.	96	HRS	48	0
BIASED MOISTURE	0743	MAX7477CT1	130C, 85% R.H.	96	HRS	45	0 SZ80B2006DA
BIASED MOISTURE	0744	MAX8784ETL+	130C, 85% R.H.	96	HRS	48	0 TX40FQ001AC
BIASED MOISTURE	0745	MAX1785EUU+	130C, 85% R.H.	96	HRS	50	0 SK61H2040A
BIASED MOISTURE	0746	MAX1785EUU+	130C, 85% R.H.	100	HRS	48	0 SK61H2041A
BIASED MOISTURE	0752	MAX8680ETL+	130C, 85% R.H.	96	HRS	48	0 ECHZHQ001B
BIASED MOISTURE	0801	MAXQ7666BATM+	130C, 85% R.H.	100	HRS	52	0 NDGTBAB#
BIASED MOISTURE	0801	MAXQ7666BATM+	130C, 85% R.H.	100	HRS	48	0 NDGTBAC\$

BIASED MOISTURE	0801	MAXQ7666BATM+	130C, 85% R.H.	100	HRS	48	0	NDGTBAD#
BIASED MOISTURE	0803	MAX1510ETB+	130C, 85% R.H.	96	HRS	50	0	SJM0CA046GB
BIASED MOISTURE	0805	MAX8680ETL+	130C, 85% R.H.	96	HRS	48	0	ECHZHQ001A
BIASED MOISTURE	0806	MAX8857AETL+	130C, 85% R.H.	100	HRS	48	0	EGJZFQ001C
BIASED MOISTURE	0807	MAX16836ATE+	130C, 85% R.H.	96	HRS	46	0	SG1ZEQ001FA
BIASED MOISTURE	0808	MAX16836ATE+	130C, 85% R.H.	96	HRS	50	0	SGIZEQ002E
BIASED MOISTURE	0814	MAX17017GTM+	130C, 85% R.H.	96	HRS	20	0	TGEZIZ001PA
BIASED MOISTURE	739	MAX1785EUU+	130C, 85% R.H.	96	HRS	48	0	SK61HZ044C
<b>Total:</b>							<b>0</b>	

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### UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
MOISTURE SOAK	0717	MAXQ7665BATM+	130C, 85% R.H.	100	HRS	80	NCJTAAB#
MOISTURE SOAK	0726	MAX8795GCJ+	130C, 85% R.H.	5	HRS	77	0 SAHYCA004B#
MOISTURE SOAK	0734	MAXQ7665BATM+	130C, 85% R.H.	96	HRS	80	0 NCJTAAF#
MOISTURE SOAK	0801	MAXQ7666BATM+	130C, 85% R.H.	100	HRS	80	0 NDGTBAB#
MOISTURE SOAK	0801	MAXQ7666BATM+	130C, 85% R.H.	100	HRS	80	0 NDGTBAC\$
MOISTURE SOAK	0801	MAXQ7666BATM+	130C, 85% R.H.	100	HRS	80	0 NDGTBAD#
<b>Total:</b>							<b>0</b>

**FAILURE RATE:**

**MTTF (YRS): 131286**

**FITS: 0.9**