



4/8/2009

**RELIABILITY MONITOR REPORT
FOR**

DAL 0.6 μ 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:

DS1050	DS1086H	DS1086L	DS1090	DS1100
DS1124	DS12R887	DS1311	DS1372	DS1722
DS1744	DS1747	DS1775	DS1841	DS1852
DS1955B5	DS2119M	DS2401	DS2432	DS2433
DS2501	DS2502	DS2710	DS29020	DS3205
DS3232	DS3502	DS3508	DS3510	DS3690
DS4424	DS80C320	DS9490		

The calculated failure rate for devices using this process is:

FAILURE RATE: **MTTF (YRS): 301667** **FITS: 0.4**

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: DAL 0.6µm Silicon Gate CMOS

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE	0647	DS2433	125C, 6.0 VOLTS	1000 HRS	77	0	DJ712225AAA
HIGH TEMP OP LIFE	0704	DS3205	125C, 5.5 VOLTS	1000 HRS	45	0	QJ718179BB-NPI
HIGH TEMP OP LIFE	0709	DS1090	125C, 5.5 VOLTS	1000 HRS	45	0	QK523784AB
HIGH TEMP OP LIFE	0718	DS1124	125C, 5.25 VOLTS	1000 HRS	45	0	QD730629AA-NPI
HIGH TEMP OP LIFE	0718	DS1124	125C, 5.25 VOLTS	1000 HRS	45	0	QD730629AA-NPI
HIGH TEMP OP LIFE	0720	DS3232	125C, 5.5 VOLTS	1000 HRS	45	0	QH736388DBC-NP
HIGH TEMP OP LIFE	0722	DS1311	125C, 5.5 VOLTS	1000 HRS	77	0	QJ718603BB
HIGH TEMP OP LIFE	0723	DS1372	125C, 5.5 VOLTS	1000 HRS	45	0	QD728621BAA-NPI
HIGH TEMP OP LIFE	0726	DS80C320	125C, 5.5 VOLTS	1000 HRS	77	0	QK727270AB-QUAL
HIGH TEMP OP LIFE	0726	DS80C320	125C, 5.5 VOLTS	1000 HRS	77	0	QK727270AD-QUAL
HIGH TEMP OP LIFE	0726	DS3690	125C, 3.6 VOLTS	1000 HRS	45	0	QJ732632BB-NPI
HIGH TEMP OP LIFE	0727	DS80C320	125C, 5.5 VOLTS	1000 HRS	77	0	QK727270AC-QUAL

HIGH TEMP OP LIFE	0728	DS1775	125C, 5.5 VOLTS	1000 HRS	45	0	QJ718116AFA
HIGH TEMP OP LIFE	0728	DS1775	125C, 5.5 VOLTS	1000 HRS	33	0	QJ718116AFA
HIGH TEMP OP LIFE	0732	DS1722	125C, 5.5 VOLTS	1000 HRS	77	0	QJ740133AB
HIGH TEMP OP LIFE	0732	DS1100	125C, 5.5 VOLTS	1000 HRS	77	0	VJ737071ACC
HIGH TEMP OP LIFE	0735	DS1050	125C, 5.5 VOLTS	1000 HRS	77	0	QJ704631CAA
HIGH TEMP OP LIFE	0738	DS1841	125C, 5.5 VOLTS	1000 HRS	77	0	QJ734261AD-NPI
HIGH TEMP OP LIFE	0742	DS2433	125C, 6.0 VOLTS	1000 HRS	77	0	QU802166AC
HIGH TEMP OP LIFE	0745	DS2501	125C, 6.0 VOLTS	1000 HRS	77	0	QH809496AB
HIGH TEMP OP LIFE	0745	DS2501	125C, 6.0 VOLTS	1000 HRS	77	0	QH809496AC
HIGH TEMP OP LIFE	0745	DS2501	125C, 6.0 VOLTS	1000 HRS	77	0	QH809496AD
HIGH TEMP OP LIFE	0750	DS12R887	85 C, 3.3 VOLTS	500 HRS	45	0	QM748219AD
HIGH TEMP OP LIFE	0751	DS2119M	125C, 5.5 VOLTS	1000 HRS	77	0	VJ716430ABC
HIGH TEMP OP LIFE	0752	DS2401	125C, 6.0 VOLTS	1000 HRS	80	0	VH739001AIA
HIGH TEMP OP LIFE	0802	DS3502	125C, 5.5 V (PSA) & 15.0 V (PSB)	1000 HRS	77	0	QD816611BB-NPI
HIGH TEMP OP LIFE	0804	DS4424	125C, 5.5 VOLTS	1000 HRS	45	0	QJ804645AC-NPI
HIGH TEMP OP LIFE	0805	DS2433	125C, 6.0 VOLTS	1000 HRS	77	0	VJ816050BB-QUAL
HIGH TEMP OP LIFE	0806	DS1086H	125C, 5.25 VOLTS	1000 HRS	77	0	QJ717065AB
HIGH TEMP OP LIFE	0806	DS2710	125C, 5.5 VOLTS	1000 HRS	45	0	QJ751638CC-NPI
HIGH TEMP OP LIFE	0807	DS2433	125C, 6.0 VOLTS	1000 HRS	77	0	VU816050AB-QUAL
HIGH TEMP OP LIFE	0807	DS2119M	125C, 5.5 VOLTS	1000 HRS	77	0	QM752183AC
HIGH TEMP OP LIFE	0807	DS2119M	125C, 5.5 VOLTS	1000 HRS	77	0	QM752183AD
HIGH TEMP OP LIFE	0807	DS2119M	125C, 5.5 VOLTS	1000 HRS	77	0	QM752183AE
HIGH TEMP OP LIFE	0808	DS80C320	125C, 5.5 VOLTS	1000 HRS	77	0	QH805039AB
HIGH TEMP OP LIFE	0808	DS80C320	125C, 5.5 VOLTS	1000 HRS	77	0	QH805039AC
HIGH TEMP OP LIFE	0810	DS80C320	125C, 5.5 VOLTS	1000 HRS	77	0	QH805039AD

HIGH TEMP OP LIFE	0810	DS1852	125C, 5.5 VOLTS	1000 HRS	77	0	QS810097AA-QUAL
HIGH TEMP OP LIFE	0817	DS2432	125C, 5.25 VOLTS	1000 HRS	77	0	QJ832164BB
Total:						0	

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	0647	DS2433	150C	1000 HRS	76	0	DJ712225AAA
STORAGE LIFE	0709	DS1090	150C	1000 HRS	77	0	QK523784AB
STORAGE LIFE	0718	DS1124	150C	1000 HRS	77	0	QD730629AA-NPI
STORAGE LIFE	0726	DS80C320	150C	1000 HRS	77	0	QK727270AB-QUAL
STORAGE LIFE	0726	DS80C320	150C	1000 HRS	77	0	QK727270AD-QUAL
STORAGE LIFE	0727	DS80C320	150C	1000 HRS	77	0	QK727270AC-QUAL
STORAGE LIFE	0728	DS1775	150C	1000 HRS	77	0	QJ718116AFA
STORAGE LIFE	0732	DS1722	150C	1000 HRS	77	0	QJ740133AB
STORAGE LIFE	0732	DS1100	150C	1000 HRS	77	0	VJ737071ACC
STORAGE LIFE	0734	DS1955B5	85 C	1000 HRS	77	0	MG360658-ENGB
STORAGE LIFE	0734	DS1955B5	85 C	1000 HRS	77	0	MG360659-ENGA
STORAGE LIFE	0734	DS1955B5	85 C	1000 HRS	77	0	MG360660-ENGA
STORAGE LIFE	0735	DS9490	85 C	1000 HRS	77	0	MG360938-QUAL4
STORAGE LIFE	0735	DS1050	150C	1000 HRS	45	0	QJ704631CAA
STORAGE LIFE	0739	DS1955B5	85 C	1000 HRS	77	0	MA358967AA-EVL
STORAGE LIFE	0739	DS1955B5	85 C	1000 HRS	77	0	MA358968AA-EVL
STORAGE LIFE	0739	DS1955B5	85 C	1000 HRS	77	0	MA358969AA-EVL
STORAGE LIFE	0740	DS2432	150C	1000 HRS	77	0	QW648142AB-#1
STORAGE LIFE	0740	DS2432	150C	1000 HRS	77	0	QW648142AB-#4
STORAGE LIFE	0740	DS2432	150C	1000 HRS	77	0	QW648142AB-#7
STORAGE LIFE	0740	DS12R887	85 C	1000 HRS	77	0	QM748219AB
STORAGE LIFE	0750	DS12R887	85 C	1000 HRS	77	0	QM748219AC
STORAGE LIFE	0750	DS12R887	85 C	1000 HRS	77	0	QM748219AD
STORAGE LIFE	0751	DS2119M	150C	1000 HRS	77	0	VJ716430ABC
STORAGE LIFE	0752	DS2401	150C	1000 HRS	77	0	VH739001AIA
STORAGE LIFE	0806	DS1086H	150C	1000 HRS	75	0	QJ717065AB
STORAGE LIFE	0807	DS2119M	150C	1000 HRS	77	0	QM752183AC
STORAGE LIFE	0807	DS2119M	150C	1000 HRS	77	0	QM752183AD
STORAGE LIFE	0807	DS2119M	150C	1000 HRS	77	0	QM752183AE
STORAGE LIFE	0808	DS80C320	150C	1000 HRS	77	0	QH805039AB
STORAGE LIFE	0808	DS80C320	150C	1000 HRS	77	0	QH805039AC

STORAGE LIFE	0810	DS80C320	150C	1000	HRS	77	0	QH805039AD	
STORAGE LIFE	0810	DS1086L	150C	1000	HRS	75	0	ID822214AB	
STORAGE LIFE	0818	DS1747	85 C	1000	HRS	76	0	M6362914EC	
VISUAL INSPECTION	0818	DS1747	WHISKERS < 50uM			75	0	M6362914EC	
VISUAL INSPECTION	0818	DS1747	WHISKERS < 50uM			77	0	M6362915EC	
STORAGE LIFE	0818	DS1747	85 C	1000	HRS	77	0	M6362915EC	
VISUAL INSPECTION	0818	DS1747	WHISKERS < 50uM			77	0	M6362916EC	
STORAGE LIFE	0818	DS1747	85 C	1000	HRS	77	0	M6362916EC	
STORAGE LIFE	0823	DS29020	70 C	336	HRS	77	0	MB363153QAL-1	
STORAGE LIFE	0823	DS29020	70 C	336	HRS	77	0	MB363154QAL-1	
STORAGE LIFE	0823	DS29020	70 C	336	HRS	77	0	MB363155QAL-1	
Total:							0		

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL	0647	DS2433	-55C TO 125C	1000	CYS	77	0 DJ712225AAA
TEMP CYCLE, 5' RAMP, 10' DWELL	0718	DS1124	-55C TO 125C	1000	CYS	77	0 QD730629AA-NPI
TEMP CYCLE, 5' RAMP, 10' DWELL	0725	DS3690	-55C TO 125C	1000	CYS	77	0 QJ732632BER-NPI
TEMP CYCLE, 5' RAMP, 10' DWELL	0726	DS80C320	-55C TO 125C	1000	CYS	77	0 QK727270AB-QUAL
TEMP CYCLE, 5' RAMP, 10' DWELL	0726	DS80C320	-55C TO 125C	1000	CYS	77	0 QK727270AD-QUAL
TEMP CYCLE, 5' RAMP, 10' DWELL	0726	DS3690	-55C TO 125C	1000	CYS	77	0 QJ732632BB-NPI
TEMP CYCLE, 5' RAMP, 10' DWELL	0726	DS3690	-55C TO 125C	1000	CYS	77	0 QJ732632BC-NPI
TEMP CYCLE, 5' RAMP, 10' DWELL	0727	DS80C320	-55C TO 125C	1000	CYS	77	0 QK727270AC-QUAL
TEMP CYCLE, 5' RAMP, 10' DWELL	0728	DS29020	-40 TO 85C	500	CYS	153	0 MG360633AAA-BES
BOND STRENGTH	0728	DS1775	MIL-STD-883- 2011 : COND D	30	WIRES	6	0 QJ718116AFA
TEMP CYCLE, 5' RAMP, 10' DWELL	0728	DS1775	-55C TO 125C	1000	CYS	77	0 QJ718116AFA
TEMP CYCLE, 5' RAMP, 10' DWELL	0732	DS1722	-65C TO 150C	500	CYS	77	0 QJ740133AB
BOND STRENGTH	0732	DS1722	MIL-STD-883- 2011 : COND D	40	WIRES	5	0 QJ740133AB
TEMP CYCLE, 5' RAMP, 10' DWELL	0732	DS1100	-55C TO 125C	1000	CYS	77	0 VJ737071ACC
TEMP CYCLE, 5' RAMP, 10' DWELL	0734	DS1955B5	-40 TO 85C	1000	CYS	77	0 MG360658-ENGB
TEMP CYCLE, 5' RAMP, 10' DWELL	0734	DS1955B5	-40 TO 85C	1000	CYS	77	0 MG360659-ENGA

TEMP CYCLE, 5' RAMP, 10' DWELL	0734	DS1955B5	-40 TO 85C	1000	CYS	77	0	MG360660-ENGA
TEMP CYCLE, 5' RAMP, 10' DWELL	0735	DS9490	-40 TO 85C	1000	CYS	77	0	MG360938-QUAL4
TEMP CYCLE, 5' RAMP, 10' DWELL	0735	DS1050	-55C TO 125C	1000	CYS	77	0	QJ704631CAA
BOND STRENGTH	0735	DS1050	MIL-STD-883-2011 : COND D	30	WIRES	5	0	QJ704631CAA
TEMP CYCLE, 5' RAMP, 10' DWELL	0736	DS1955B5	-40 TO 85C	1000	CYS	77	0	MG360658-ENGB
TEMP CYCLE, 5' RAMP, 10' DWELL	0736	DS1955B5	-40 TO 85C	1000	CYS	77	0	MG360659-ENGA
TEMP CYCLE, 5' RAMP, 10' DWELL	0736	DS1955B5	-40 TO 85C	1000	CYS	77	0	MG360660-ENGA
TEMP CYCLE, 5' RAMP, 10' DWELL	0739	DS1955B5	-40 TO 85C	1000	CYS	77	0	MA358967AA-EVL
TEMP CYCLE, 5' RAMP, 10' DWELL	0739	DS1955B5	-40 TO 85C	1000	CYS	77	0	MA358968AA-EVL
TEMP CYCLE, 5' RAMP, 10' DWELL	0739	DS1955B5	-40 TO 85C	1000	CYS	77	0	MA358969AA-EVL
TEMP CYCLE, 5' RAMP, 10' DWELL	0739	DS1955B5	-40 TO 85C	1000	CYS	77	0	MA358967AA-EVL
TEMP CYCLE, 5' RAMP, 10' DWELL	0739	DS1955B5	-40 TO 85C	1000	CYS	77	0	MA358968AA-EVL
TEMP CYCLE, 5' RAMP, 10' DWELL	0739	DS1955B5	-40 TO 85C	1000	CYS	77	0	MA358969AA-EVL
TEMP CYCLE, 15' RAMP, 15' DWELL	0740	DS2432	-40C TO +125C	1500	CYS	77	0	QW648142AB-#1
TEMP CYCLE, 15' RAMP, 15' DWELL	0740	DS2432	-40C TO +125C	1500	CYS	77	0	QW648142AB-#4
TEMP CYCLE, 15' RAMP, 15' DWELL	0740	DS2432	-40C TO +125C	1500	CYS	77	0	QW648142AB-#7
TEMP CYCLE, 5' RAMP, 10' DWELL	0740	DS12R887	-40 TO 85C	1000	CYS	77	0	QM748219AB
TEMP CYCLE, 5' RAMP, 10' DWELL	0745	DS2501	-55C TO 125C	1000	CYS	77	0	QH809496AB
TEMP CYCLE, 5' RAMP, 10' DWELL	0745	DS2501	-55C TO 125C	1000	CYS	77	0	QH809496AC
TEMP CYCLE, 5' RAMP, 10' DWELL	0745	DS2501	-55C TO 125C	1000	CYS	77	0	QH809496AD
TEMP CYCLE, 5' RAMP, 10' DWELL	0749	DS2502	-40C TO +125C	1000	CYS	231	0	QW807244AC-10
TEMP CYCLE, 5' RAMP, 10' DWELL	0749	DS2502	-40C TO +125C	1000	CYS	231	0	QW807244AC-06
TEMP CYCLE, 5' RAMP, 10' DWELL	0749	DS2502	-40C TO +125C	1000	CYS	231	0	QW807244AC-09
TEMP CYCLE, 5' RAMP, 10' DWELL	0749	DS2502	-40C TO +125C	1000	CYS	231	0	QW807244AC-12
TEMP CYCLE, 5' RAMP, 10' DWELL	0749	DS2502	-40 TO 85C	1000	CYS	80	0	QW807244AC-01
TEMP CYCLE, 5' RAMP, 10' DWELL	0749	DS2502	-40 TO 85C	1000	CYS	80	0	QW807244AC-02

TEMP CYCLE, 5' RAMP, 10' DWELL	0749	DS2502	-40 TO 85C	1000	CYS	80	0	QW807244AC-08
TEMP CYCLE, 5' RAMP, 10' DWELL	0749	DS2502	-40 TO 85C	1000	CYS	80	0	QW807244AC-05
TEMP CYCLE, 5' RAMP, 10' DWELL	0750	DS12R887	-40 TO 85C	1000	CYS	77	0	QM748219AC
TEMP CYCLE, 5' RAMP, 10' DWELL	0750	DS12R887	-40 TO 85C	1000	CYS	77	0	QM748219AD
TEMP CYCLE, 5' RAMP, 10' DWELL	0751	DS2119M	-55C TO 125C	1000	CYS	77	0	VJ716430ABC
TEMP CYCLE, 5' RAMP, 10' DWELL	0752	DS2401	-55C TO 125C	1000	CYS	77	0	VH739001AIA
TEMP CYCLE, 5' RAMP, 10' DWELL	0802	DS2502	-40C TO +125C	1000	CYS	231	0	VW806139AA-09
TEMP CYCLE, 5' RAMP, 10' DWELL	0802	DS2502	-40C TO +125C	1000	CYS	231	0	VW801034AA-11
TEMP CYCLE, 5' RAMP, 10' DWELL	0802	DS2502	-40C TO +125C	1000	CYS	231	0	QW807238AC-12
TEMP CYCLE, 5' RAMP, 10' DWELL	0803	DS2502	-40C TO +125C	1000	CYS	231	0	QW818234AB-25
BOND STRENGTH	0806	DS1086H	MIL-STD-883-2011 : COND D	30	WIRES	5	0	QJ717065AB
TEMP CYCLE, 5' RAMP, 10' DWELL	0806	DS1086H	-55C TO 125C	1000	CYS	77	0	QJ717065AB
TEMP CYCLE, 5' RAMP, 10' DWELL	0807	DS2119M	-55C TO 125C	1000	CYS	77	0	QM752183AC
TEMP CYCLE, 5' RAMP, 10' DWELL	0807	DS2119M	-55C TO 125C	1000	CYS	77	0	QM752183AD
TEMP CYCLE, 5' RAMP, 10' DWELL	0807	DS2119M	-55C TO 125C	1000	CYS	77	0	QM752183AE
TEMP CYCLE, 5' RAMP, 10' DWELL	0808	DS80C320	-55C TO 125C	1000	CYS	77	0	QH805039AB
TEMP CYCLE, 5' RAMP, 10' DWELL	0808	DS80C320	-55C TO 125C	1000	CYS	77	0	QH805039AC
TEMP CYCLE, 5' RAMP, 10' DWELL	0810	DS80C320	-55C TO 125C	1000	CYS	77	0	QH805039AD
TEMP CYCLE, 5' RAMP, 10' DWELL	0810	DS1852	-55C TO 125C	1000	CYS	76	0	QS810097AA-QUAL
BOND STRENGTH	0810	DS1086L	MIL-STD-883-2011 : COND D	40	WIRES	5	0	ID822214AB
TEMP CYCLE, 5' RAMP, 10' DWELL	0810	DS1086L	-55C TO 125C	1000	CYS	77	0	ID822214AB
TEMP CYCLE, 5' RAMP, 10' DWELL	0817	DS2432	-55C TO 125C	1000	CYS	77	0	QJ832164BB
VISUAL INSPECTION	0818	DS1747	WHISKERS < 50uM			77	0	M6362914EC
TEMP CYCLE, 5' RAMP, 10' DWELL	0818	DS1747	-40 TO 85C	1000	CYS	77	0	M6362914EC
VISUAL INSPECTION	0818	DS1747	WHISKERS < 50uM			77	0	M6362915EC
TEMP CYCLE, 5' RAMP, 10' DWELL	0818	DS1747	-40 TO 85C	1000	CYS	77	0	M6362915EC

TEMP CYCLE, 5' RAMP, 10' DWELL	0818	DS1747	-40 TO 85C	1000	CYS	77	0	M6362916EC
VISUAL INSPECTION	0818	DS1747	WHISKERS < 50uM			77	0	M6362916EC
TEMP CYCLE, 5' RAMP, 10' DWELL	0823	DS29020	-40 TO 85C	500	CYS	77	0	MB363153QAL-1
TEMP CYCLE, 5' RAMP, 10' DWELL	0823	DS29020	-40 TO 85C	500	CYS	77	0	MB363154QAL-1
Total:							0	

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE	TEST CODE	VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HAST	0647	DS2433		130C, 85%R.H.,5.5V	96	HRS	77	0 DJ712225AAA
BIASED MOISTURE	0726	DS80C320		85/85, 5.5 VOLTS	1000	HRS	77	0 QK727270AB-QUAL
BIASED MOISTURE	0726	DS80C320		85/85, 5.5 VOLTS	1000	HRS	77	0 QK727270AD-QUAL
BIASED MOISTURE	0727	DS80C320		85/85, 5.5 VOLTS	1000	HRS	77	0 QK727270AC-QUAL
BIASED MOISTURE	0728	DS1775		85/85, 5.5 VOLTS	1000	HRS	78	0 QJ718116AFA
BIASED MOISTURE	0731	DS1744		85/85, 3.5 VOLTS	1000	HRS	77	0 MG360709-QUAL4
VISUAL INSPECTION	0731	DS1744		WHISKERS < 50uM			77	0 MG360709-QUAL4
HAST	0732	DS1722		130C, 85%R.H.,5.5V	96	HRS	77	0 QJ740133AB
BIASED MOISTURE	0732	DS1100		85/85, 5.5 VOLTS	1000	HRS	77	0 VJ737071ACC
BIASED MOISTURE	0735	DS1050		85/85, 5.5 VOLTS	1000	HRS	77	0 QJ704631CAA
BIASED MOISTURE	0740	DS2432		85/85, 5.5 VOLTS	1000	HRS	77	0 QW648142AB-#1
BIASED MOISTURE	0740	DS2432		85/85, 5.5 VOLTS	1000	HRS	77	0 QW648142AB-#4
BIASED MOISTURE	0740	DS2432		85/85, 5.5 VOLTS	1000	HRS	77	0 QW648142AB-#7
BIASED MOISTURE	0740	DS12R887		85/85, 3.5 VOLTS	1000	HRS	45	0 QM748219AB
HAST	0745	DS2501		130C, 85%R.H.,5.5V	96	HRS	77	0 QH809496AB
HAST	0745	DS2501		130C, 85%R.H.,5.5V	96	HRS	77	0 QH809496AC
HAST	0745	DS2501		130C, 85%R.H.,5.5V	96	HRS	77	0 QH809496AD
BIASED MOISTURE	0750	DS12R887		85/85, 3.5 VOLTS	1000	HRS	45	0 QM748219AC
BIASED MOISTURE	0750	DS12R887		85/85, 3.5 VOLTS	1000	HRS	45	0 QM748219AD
BIASED MOISTURE	0751	DS2119M		85/85, 5.5 VOLTS	1000	HRS	77	0 VJ716430ABC

HAST, NO BIAS	0751	DS2119M	130C, 85% R.H.	96	HRS	77	0	VJ716430ABC
HAST	0752	DS2401	130C, 85%R.H.,5.5V	96	HRS	77	0	VH739001AIA
HAST	0806	DS1086H	130C, 85%R.H.,5.5V	96	HRS	77	0	QJ717065AB
BIASED MOISTURE	0807	DS2119M	85/85, 5.5 VOLTS	1000	HRS	45	0	QM752183AC
BIASED MOISTURE	0807	DS2119M	85/85, 5.5 VOLTS	1000	HRS	45	0	QM752183AD
BIASED MOISTURE	0807	DS2119M	85/85, 5.5 VOLTS	1000	HRS	45	0	QM752183AE
BIASED MOISTURE	0808	DS80C320	85/85, 5.5 VOLTS	1000	HRS	77	0	QH805039AB
BIASED MOISTURE	0808	DS80C320	85/85, 5.5 VOLTS	1000	HRS	77	0	QH805039AC
BIASED MOISTURE	0810	DS80C320	85/85, 5.5 VOLTS	1000	HRS	77	0	QH805039AD
HAST	0810	DS1086L	130C, 85%R.H.,3.5V	96	HRS	77	0	ID822214AB
BIASED MOISTURE	0818	DS1747	85/85, 3.5 VOLTS	1000	HRS	77	0	M6362914EC
VISUAL INSPECTION	0818	DS1747	WHISKERS < 50uM			73	0	M6362914EC
BIASED MOISTURE	0818	DS1747	85/85, 3.5 VOLTS	1000	HRS	77	0	M6362915EC
VISUAL INSPECTION	0818	DS1747	WHISKERS < 50uM			72	0	M6362915EC
BIASED MOISTURE	0818	DS1747	85/85, 3.5 VOLTS	1000	HRS	77	0	M6362916EC
VISUAL INSPECTION	0818	DS1747	WHISKERS < 50uM			76	0	M6362916EC
Total:							0	

UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE	TEST CODE VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.	
HAST, NO BIAS	0718	DS1124	130C, 85% R.H.	96	HRS	77	0	QD730629AA-NPI
HAST, NO BIAS	0725	DS3690	130C, 85% R.H.	96	HRS	77	0	QJ732632BER-NPI
HAST, NO BIAS	0726	DS3690	130C, 85% R.H.	96	HRS	77	0	QJ732632BB-NPI
HAST, NO BIAS	0726	DS3690	130C, 85% R.H.	96	HRS	77	0	QJ732632BC-NPI
AUTOCLAVE	0728	DS1775	121C, 2 ATM STEAM, UNBIASED	168	HRS	77	0	QJ718116AFA
AUTOCLAVE	0732	DS1722	121C, 2 ATM STEAM, UNBIASED	168	HRS	72	0	QJ740133AB
MOISTURE SOAK	0735	DS9490	60C/90% R.H.	1000	HRS	77	0	MG360938-QUAL4
AUTOCLAVE	0735	DS1050	121C, 2 ATM STEAM, UNBIASED	168	HRS	77	0	QJ704631CAA
HAST, NO BIAS	0802	DS2502	130C, 85% R.H.	96	HRS	231	0	VW806139AA-09

HAST, NO BIAS	0802	DS2502	130C, 85% R.H.	96	HRS	231	0	VW801034AA-11
HAST, NO BIAS	0802	DS2502	130C, 85% R.H.	96	HRS	231	0	QW807238AC-12
HAST, NO BIAS	0803	DS2502	130C, 85% R.H.	96	HRS	231	0	QW818234AB-25
AUTOCLAVE	0806	DS1086H	121C, 2 ATM STEAM, UNBIASED	168	HRS	77	0	QJ717065AB
HAST, NO BIAS	0808	DS80C320	130C, 85% R.H.	96	HRS	77	0	QH805039AB
HAST, NO BIAS	0808	DS80C320	130C, 85% R.H.	96	HRS	77	0	QH805039AC
HAST, NO BIAS	0810	DS80C320	130C, 85% R.H.	96	HRS	77	0	QH805039AD
AUTOCLAVE	0810	DS1086L	121C, 2 ATM STEAM, UNBIASED	168	HRS	77	0	ID822214AB
MOISTURE SOAK	0823	DS29020	85 C/85% R.H.	274	HRS	77	0	MB363153QAL-1
MOISTURE SOAK	0823	DS29020	85 C/85% R.H.	274	HRS	77	0	MB363154QAL-1
MOISTURE SOAK	0823	DS29020	85 C/85% R.H.	274	HRS	77	0	MB363155QAL-1
Total:							0	

W/E ENDURANCE AND DATA RET'N

DESCRIPTION	DATE	TEST CODE VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE	0647	DS2433	150C	1000	HRS	77	0 DJ712225AAA
WRITE CYCLE STRESS (KCYS)	0647	DS2433	25 C, 5.0 VOLTS	50	KCYS	77	0 DJ712225AAA
STORAGE LIFE	0718	DS1124	150C	1000	HRS	77	0 QD730629AA-NPI
WRITE CYCLE STRESS (KCYS)	0738	DS1841	25 C, 5.5 VOLTS	200	KCYS	77	0 QJ734261AD-NPI
STORAGE LIFE	0738	DS1841	150C	1000	HRS	77	0 QJ734261AD-NPI
WRITE CYCLE STRESS (KCYS)	0742	DS2433	25 C, 5.0 VOLTS	50	KCYS	150	0 QU802166AC
STORAGE LIFE	0742	DS2433	150C	1000	HRS	150	0 QU802166AC
STORAGE LIFE	0750	DS3510	150C	1000	HRS	77	0 QJ712635CA-NPI
WRITE CYCLE STRESS (KCYS)	0750	DS3510	70 C, 5.5V (PSA) & 15.0V (PSB)	50	KCYS	77	0 QJ712635CA-NPI
STORAGE LIFE	0802	DS3502	150C	1000	HRS	72	0 QD816611BB-NPI
WRITE CYCLE STRESS (KCYS)	0802	DS3502	25 C, 5.5 V (PSA) & 15.0 V (PSB)	200	KCYS	77	0 QD816611BB-NPI
STORAGE LIFE	0802	DS3502	150C	1000	HRS	77	0 QD816611BB-NPI
WRITE CYCLE STRESS (KCYS)	0802	DS3502	85 C, 5.5 V (PSA) & 15.0 V (PSB)	50	KCYS	77	0 QD816611BB-NPI
STORAGE LIFE	0802	DS3508	150C	1000	HRS	77	0 QJ813607BC-1
WRITE CYCLE STRESS (KCYS)	0802	DS3508	85 C, 5.5 V (PSA) & 15.0 V (PSB)	50	KCYS	77	0 QJ813607BC-1
STORAGE LIFE	0805	DS2433	150C	1000	HRS	231	0 VJ816050BB-QUAL
WRITE CYCLE STRESS (KCYS)	0805	DS2433	25 C, 5.0 VOLTS	50	KCYS	231	0 VJ816050BB-QUAL

WRITE CYCLE STRESS (KCYS)	0807	DS2433	25 C, 5.0 VOLTS	50	KCYS	231	0	VU816050AB-QUAL
STORAGE LIFE	0807	DS2433	150C	1000	HRS	231	0	VU816050AB-QUAL
STORAGE LIFE	0810	DS1852	150C	1000	HRS	77	0	QS810097AA-QUAL
WRITE CYCLE STRESS (KCYS)	0810	DS1852	85 C, 5.5 VOLTS	25	KCYS	77	0	QS810097AA-QUAL
WRITE CYCLE STRESS (KCYS)	0810	DS1086L	70 C, 3.6 VOLTS	10	KCYS	77	0	ID822214AB
STORAGE LIFE	0810	DS1086L	150C	500	HRS	77	0	ID822214AB
STORAGE LIFE	0817	DS2432	150C	1000	HRS	77	0	QJ832164BB
WRITE CYCLE STRESS (KCYS)	0817	DS2432	25 C, 5.0 VOLTS	50	KCYS	77	0	QJ832164BB
Total:							0	

W/E ENDURANCE AND OPERATING LIFE

DESCRIPTION	DATE	TEST CODE	VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.	
HIGH TEMP OP LIFE	0810	DS1086L		125C, 3.6 VOLTS	408	HRS	75	0	ID822214AB
WRITE CYCLE STRESS (KCYS)	0810	DS1086L		70 C, 3.6 VOLTS	10	KCYS	77	0	ID822214AB
Total:							0		

FAILURE RATE:

MTTF (YRS): 301667

FITS: 0.4