



5/9/2009

**RELIABILITY MONITOR REPORT
FOR**

Dallas 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:

DS1086H	DS1086L	DS1090	DS1100	DS12R887
DS1501	DS1626	DS1747	DS1841	DS1852
DS1923	DS1977	DS2119M	DS21448	DS2401
DS2432	DS2433	DS2502	DS2710	DS29020
DS3502	DS3508	DS3510	DS3514	DS3690
DS4424	DS80C320			

The calculated failure rate for devices using this process is:

FAILURE RATE: MTTF (YRS): 250603 FITS: 0.5

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 1/1/2008 and 12/31/2008.

Process Information:

Process Description: Dallas 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	0726	DS3690	125C, 3.6 VOLTS	1000 HRS	45	0	QJ732632BB-NPI
HIGH TEMP OP LIFE	0732	DS1100	125C, 5.5 VOLTS	1000 HRS	77	0	VJ737071ACC
HIGH TEMP OP LIFE	0738	DS1841	125C, 5.5 VOLTS	1000 HRS	77	0	QJ734261AD-NPI
HIGH TEMP OP LIFE	0747	DS3510	125C, 5.5 V (PSA) & 15.0 V (PSB)	1000 HRS	77	0	QJ712635BA
HIGH TEMP OP LIFE	0747	DS3510	125C, 5.5 V (PSA) & 15.0 V (PSB)	1000 HRS	77	0	QJ712635BA
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	DS3508	125C, 5.5 V (PSA) & 15.0 V (PSB)	1000 HRS	77	0	QJ813607BCA-NPI
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
HIGH TEMP OP LIFE	0819	DS21448	125C, 3.5 VOLTS	1000 HRS	45	0	QS751045AB-QUAL
HIGH TEMP OP LIFE	0819	DS21448	125C, 3.5 VOLTS	1000 HRS	45	0	QS751045AC-QUAL
HIGH TEMP OP LIFE	0819	DS21448	125C, 3.5 VOLTS	1000 HRS	45	0	QS751045AD-QUAL
HIGH TEMP OP LIFE	0832	DS2502	125C, 6.0 VOLTS	1000 HRS	77	0	QJ846128AB
HIGH TEMP OP LIFE	0832	DS12R887	85 C, 3.3 VOLTS	1000 HRS	46	0	DM547055AAD
HIGH TEMP OP LIFE	0833	DS3514	125C, 5.5 V (PSA) & 15.0 V (PSB)	1000 HRS	77	0	QJ803644BA-NPI
HIGH TEMP OP LIFE	0833	DS1501	125C, 6.0 VOLTS	1000 HRS	45	0	QH803253AB
HIGH TEMP OP LIFE	0842	DS1626	125C, 5.5 VOLTS	1000 HRS	77	0	QJ909643ACA-NPI
HIGH TEMP OP LIFE	0843	DS1090	125C, 5.5 VOLTS	408 HRS	45	0	VJ645637AEA
HIGH TEMP OP LIFE	0843	DS1090	125C, 5.5 VOLTS	408 HRS	45	0	VJ645637AEA
Total:						0	

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
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STORAGE LIFE	0647	DS2433	150C	1000 HRS	76	0	DJ712225AAA
STORAGE LIFE	0732	DS1100	150C	1000 HRS	77	0	VJ737071ACC
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
VISUAL INSPECTION	0818	DS1747	WHISKERS < 50uM		75	0	M6362914EC
STORAGE LIFE	0818	DS1747	85 C	1000 HRS	76	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	0819	DS21448	150C	1000 HRS	74	0	QS751045AB-QUAL
STORAGE LIFE	0819	DS21448	150C	1000 HRS	77	0	QS751045AC-QUAL
STORAGE LIFE	0819	DS21448	150C	1000 HRS	77	0	QS751045AD-QUAL
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
STORAGE LIFE	0827	DS2502	150C	1000 HRS	77	0	QH827010ADA
STORAGE LIFE	0827	DS2502	150C	1000 HRS	77	0	QH827010AEA
STORAGE LIFE	0827	DS2502	150C	1000 HRS	77	0	QH827010AFD
STORAGE LIFE	0833	DS1501	150C	1000 HRS	77	0	QH803253AB
STORAGE LIFE	0834	DS29020	70 C	336 HRS	77	0	MC825512ABA-QAL
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	0725	DS3690	-55C TO 125C	1000	CYS	77	0	QJ732632BER-NPI
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	0732	DS1100	-55C TO 125C	1000	CYS	77	0	VJ737071ACC
TEMP CYCLE, 5' RAMP, 10' DWELL	0740	DS12R887	-40 TO 85C	1000	CYS	77	0	QM748219AB
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
TEMP CYCLE, 5' RAMP, 10' DWELL	0804	DS1923	-40 TO 85C	2000	CYS	77	0	MG361896-QAL1
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
VISUAL INSPECTION	0818	DS1747	WHISKERS < 50uM			77	0	M6362916EC
TEMP CYCLE, 5' RAMP, 10' DWELL	0818	DS1747	-40 TO 85C	1000	CYS	77	0	M6362916EC
TEMP CYCLE, 5' RAMP, 10' DWELL	0819	DS21448	-55C TO 125C	1000	CYS	77	0	QS751045AB-QUAL
TEMP CYCLE, 5' RAMP, 10' DWELL	0819	DS21448	-55C TO 125C	1000	CYS	77	0	QS751045AC-QUAL
TEMP CYCLE, 5' RAMP, 10' DWELL	0819	DS21448	-55C TO 125C	1000	CYS	77	0	QS751045AD-QUAL
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
TEMP CYCLE, 5' RAMP, 10' DWELL	0827	DS2502	-55C TO 125C	1000	CYS	77	0	QH827010ADA
TEMP CYCLE, 5' RAMP, 10' DWELL	0827	DS2502	-55C TO 125C	1000	CYS	77	0	QH827010AEA
TEMP CYCLE, 5' RAMP, 10' DWELL	0827	DS2502	-55C TO 125C	1000	CYS	77	0	QH827010AFD
TEMP CYCLE, 5' RAMP, 10' DWELL	0832	DS12R887	0C TO 70C	1000	CYS	77	0	DM547055AAD
TEMP CYCLE, 5' RAMP, 10' DWELL	0832	DS12R887	-40 TO 85C	1000	CYS	77	0	DM547055AAD
TEMP CYCLE, 5' RAMP, 10' DWELL	0833	DS1501	-55C TO 125C	1000	CYS	77	0	QH803253AB
TEMP CYCLE, 5' RAMP, 10' DWELL	0834	DS29020	-40 TO 85C	500	CYS	77	0	MC825512ABA-QAL
TEMP CYCLE, 5' RAMP, 10' DWELL	0841	DS1977	-40 TO 85C	1000	CYS	77	0	MG364960QAL1
TEMP CYCLE, 5' RAMP, 10' DWELL	0841	DS1977	-40 TO 85C	1000	CYS	77	0	MG364961QAL
TEMP CYCLE, 5' RAMP, 10' DWELL	0841	DS1977	-40 TO 85C	1000	CYS	77	0	MG364962QAL

Total: 0

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HAST	0647	DS2433	130C, 85%R.H.,5.5V	96	HRS	77	0 DJ712225AAA
BIASED MOISTURE	0732	DS1100	85/85, 5.5 VOLTS	1000	HRS	77	0 VJ737071ACC
BIASED MOISTURE	0740	DS12R887	85/85, 3.5 VOLTS	1000	HRS	45	0 QM748219AB
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
VISUAL INSPECTION	0818	DS1747	WHISKERS < 50uM			73	0 M6362914EC
BIASED MOISTURE	0818	DS1747	85/85, 3.5 VOLTS	1000	HRS	77	0 M6362914EC
VISUAL INSPECTION	0818	DS1747	WHISKERS < 50uM			72	0 M6362915EC
BIASED MOISTURE	0818	DS1747	85/85, 3.5 VOLTS	1000	HRS	77	0 M6362915EC
VISUAL INSPECTION	0818	DS1747	WHISKERS < 50uM			76	0 M6362916EC
BIASED MOISTURE	0818	DS1747	85/85, 3.5 VOLTS	1000	HRS	77	0 M6362916EC
BIASED MOISTURE	0819	DS21448	85/85, 3.5 VOLTS	1000	HRS	45	0 QS751045AB-QUAL
BIASED MOISTURE	0819	DS21448	85/85, 3.5 VOLTS	1000	HRS	45	0 QS751045AC-QUAL
BIASED MOISTURE	0819	DS21448	85/85, 3.5 VOLTS	1000	HRS	45	0 QS751045AD-QUAL

HAST	0827	DS2502	130C, 85%R.H.,5.5V	96	HRS	81	0	QH827010AFD
HAST	0827	DS2502	130C, 85%R.H.,5.5V	96	HRS	79	0	QH827010AEA
HAST	0827	DS2502	130C, 85%R.H.,5.5V	96	HRS	80	0	QH827010ADA
BIASED MOISTURE	0833	DS1501	85/85, 5.5 VOLTS	1000	HRS	77	0	QH803253AB
Total:							0	

UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.	
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
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
HAST, NO BIAS	0827	DS2502	130C, 85% R.H.	100	HRS	72	0	QH827010ADA
HAST, NO BIAS	0827	DS2502	130C, 85% R.H.	100	HRS	77	0	QH827010AEA
HAST, NO BIAS	0827	DS2502	130C, 85% R.H.	100	HRS	77	0	QH827010AFD
HAST, NO BIAS	0833	DS1501	130C, 85% R.H.	96	HRS	77	0	QH803253AB
MOISTURE SOAK	0834	DS29020	85 C/85% R.H.	274	HRS	77	0	MC825512ABA-QAL
Total:							0	

W/E ENDURANCE AND DATA RET'N

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.	
WRITE CYCLE STRESS (KCYS)	0647	DS2433	25 C, 5.0 VOLTS	50	KCYS	77	0	DJ712225AAA
STORAGE LIFE	0647	DS2433	150C	1000	HRS	77	0	DJ712225AAA

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)	0750	DS3510	70 C, 5.5V (PSA) & 15.0V (PSB)	50	KCYS	77	0	QJ712635CA-NPI
STORAGE LIFE	0750	DS3510	150C	1000	HRS	77	0	QJ712635CA-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	72	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	DS3502	150C	1000	HRS	77	0	QD816611BB-NPI
WRITE CYCLE STRESS (KCYS)	0802	DS3508	85 C, 5.5 V (PSA) & 15.0 V (PSB)	50	KCYS	77	0	QJ813607BC-1
STORAGE LIFE	0802	DS3508	150C	1000	HRS	77	0	QJ813607BC-1
WRITE CYCLE STRESS (KCYS)	0805	DS2433	25 C, 5.0 VOLTS	50	KCYS	231	0	VJ816050BB-QUAL
STORAGE LIFE	0805	DS2433	150C	1000	HRS	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
WRITE CYCLE STRESS (KCYS)	0810	DS1852	85 C, 5.5 VOLTS	25	KCYS	77	0	QS810097AA-QUAL
STORAGE LIFE	0810	DS1852	150C	1000	HRS	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
WRITE CYCLE STRESS (KCYS)	0817	DS2432	25 C, 5.0 VOLTS	50	KCYS	77	0	QJ832164BB
STORAGE LIFE	0817	DS2432	150C	1000	HRS	77	0	QJ832164BB
WRITE CYCLE STRESS (KCYS)	0833	DS3514	70 C, 5.5V (PSA) & 15.0V (PSB)	50	KCYS	77	0	QJ803644BA-NPI
STORAGE LIFE	0833	DS3514	150C	1000	HRS	77	0	QJ803644BA-NPI
WRITE CYCLE STRESS (KCYS)	0842	DS1626	85 C, 5.5 VOLTS	20	KCYS	77	0	QJ909643ACA-NPI
STORAGE LIFE	0842	DS1626	150C	1000	HRS	77	0	QJ909643ACA-NPI
Total:							0	

W/E ENDURANCE AND OPERATING LIFE

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

FAILURE RATE:

MTTF (YRS): 250603

FITS: 0.5