

RELIABILITY MONITOR

PROCESS: 2P, 2M, 0.6um, P2Cap, PdD, HP Vts, GOI, WJ BPSG, N+ESDII,

STRESS: HIGH TEMP OP LIFE

PRODUCT	REV	MONITOR DATE	JOB NO	DATE CODE	ASSEMBLY FACILITY	LOT NO.	PACKAGE	READ POINT	QTY	FAILS
DS21352	A4	FEB '03	31029	0242	ATP (Amkor, PI)	DK036653AA	LQFP	500	77	0
DS21352	A4	FEB '03	31029	0242	ATP (Amkor, PI)	DK036653AA	LQFP	1000	63	0
DS21352	A4	MAY '03	31401	0312	Stats	DC043465AA	LQFP	500	77	0
DS21352	A4	MAY '03	31401	0312	Stats	DC043465AA	LQFP	1000	70	0

TOTALS:

FAIL RATE (Fits): 7 DEVICE HRS: 1.35E+08 0

RELIABILITY MONITOR

PROCESS: 1P, 2M, 0.8um, PdplDiode , WJ BPSG, N+ESD II,

STRESS: HIGH VOLTAGE LIFE

PRODUCT	REV	MONITOR DATE	JOB NO	DATE CODE	ASSEMBLY FACILITY	LOT NO.	PACKAGE	READ POINT	QTY	FAILS
DS1803	A2	OCT '02	30229	0234	ATP (Amkor, PI)	DK236047AA	SOIC	500	80	0

STRESS: HIGH TEMP OP LIFE

PRODUCT	REV	MONITOR DATE	JOB NO	DATE CODE	ASSEMBLY FACILITY	LOT NO.	PACKAGE	READ POINT	QTY	FAILS
DS1803	A2	APR '03	31261	0304	OSEP	DE322628AAB	SOIC	500	80	0
DS1803	A2	APR '03	31261	0304	OSEP	DE322628AAB	SOIC	1000	80	0

TOTALS: FAIL RATE (Fits): 8 DEVICE HRS: 1.13E+08 0

RELIABILITY MONITOR

PROCESS: D6W-1P2M,HPVt,E2,TCZ PBL:GOI

STRESS: HIGH VOLTAGE LIFE

PRODUCT	REV	MONITOR DATE	JOB NO	DATE CODE	ASSEMBLY FACILITY	LOT NO.	PACKAGE	READ POINT	QTY	FAILS
DS1100	A3	JAN '03	30770	0243	Carsem	DM242094AJC	SOIC	500	80	0
DS1100	A3	JAN '03	30770	0243	Carsem	DM242094AJC	SOIC	1000	80	0

STRESS: HIGH TEMP OP LIFE

PRODUCT	REV	MONITOR DATE	JOB NO	DATE CODE	ASSEMBLY FACILITY	LOT NO.	PACKAGE	READ POINT	QTY	FAILS
DS1100	A3	APR '03	31254	0312	ATP (Amkor, PI)	DK242100AH	SOIC	500	80	0
DS1100	A3	APR '03	31254	0312	ATP (Amkor, PI)	DK242100AH	SOIC	1000	80	0
DS1100	A3	JUL '03	31899	0323	NSEB	DJ330003ACC	SOIC	500	80	0

TOTALS:

FAIL RATE (Fits): 5 DEVICE HRS: 1.89E+08 0

RELIABILITY MONITOR

PROCESS: 1P, 2M, 0.8um, PdpIDiode, Ti/TiN M1+M2 , WJ BPSG, N+ESD II,

STRESS: HIGH VOLTAGE LIFE

PRODUCT	REV	MONITOR DATE	JOB NO	DATE CODE	ASSEMBLY FACILITY	LOT NO.	PACKAGE	READ POINT	QTY	FAILS
DS1803	A2	OCT '02	30229	0234	ATP (Amkor, PI)	DK236047AA	SOIC	1000	80	0

TOTALS:

FAIL RATE (Fits): 24 DEVICE HRS: 3.77E+07 0

RELIABILITY MONITOR

PROCESS: 1P, 2M, 0.8um, ESD Pdepletion,HP Vts,WJ BPSG,Ti/TiN M1+M2,

STRESS: HIGH TEMP OP LIFE

PRODUCT	REV	MONITOR DATE	JOB NO	DATE CODE	ASSEMBLY FACILITY	LOT NO.	PACKAGE	READ POINT	QTY	FAILS
DS1302	A4	JUN '03	31640	0321	OSEP	DE117012AA	PDIP	500	80	0
DS1302	A4	JUN '03	31640	0321	OSEP	DE117012AA	PDIP	1000	80	0

TOTALS:

FAIL RATE (Fits): 12 DEVICE HRS: 7.55E+07 0

RELIABILITY MONITOR

PROCESS: D6RL-1P1M,SILP1,LLVt,N+ESD PBL:GOI

STRESS: HIGH TEMP OP LIFE

PRODUCT	REV	MONITOR DATE	JOB NO	DATE CODE	ASSEMBLY FACILITY	LOT NO.	PACKAGE	READ POINT	QTY	FAILS
DS80C320	C5	SEP '03	32413	0323	A TEC	DQ338181AA	PDIP	500	77	0

TOTALS:

FAIL RATE (Fits): 25 DEVICE HRS: 3.63E+07 0

RELIABILITY MONITOR

PROCESS: 1P, 1M, 0.6um, Pd, Ti/TiN M1 , WJ BPSG ,

STRESS: HIGH TEMP OP LIFE

PRODUCT	REV	MONITOR DATE	JOB NO	DATE CODE	ASSEMBLY FACILITY	LOT NO.	PACKAGE	READ POINT	QTY	FAILS
DS2401	C2	MAY '03	31647	0323	Carsem	DM330002AA	TO92	500	80	0
DS2401	C2	MAY '03	31647	0323	Carsem	DM330002AA	TO92	1000	80	0
DS2401	C2	AUG '03	32237	0331	Hana	DU342603AB	TO92	500	80	0
DS2401	C2	AUG '03	32237	0331	Hana	DU342603AB	TO92	1000	80	0

TOTALS:

FAIL RATE (Fits): 6 DEVICE HRS: 1.51E+08 0

RELIABILITY MONITOR

PROCESS: D6S-1P1M,HPVt,N+ESD,TCN3 ALOCOS:GOI

STRESS: HIGH TEMP OP LIFE

PRODUCT	REV	MONITOR DATE	JOB NO	DATE CODE	ASSEMBLY FACILITY	LOT NO.	PACKAGE	READ POINT	QTY	FAILS
DS2118M	C1-6	JUN '03	31737	0303	Carsem	DM316629AB	SSOP	500	80	0
DS2118M	C1-6	JUN '03	31737	0303	Carsem	DM316629AB	SSOP	1000	80	0

TOTALS:

FAIL RATE (Fits): 12 DEVICE HRS: 7.55E+07 0

RELIABILITY MONITOR

PROCESS: 1P, 1M, 0.6um, Pdepletion, Low Vts , WJ BPSG ,

STRESS: HIGH VOLTAGE LIFE

PRODUCT	REV	MONITOR DATE	JOB NO	DATE CODE	ASSEMBLY FACILITY	LOT NO.	PACKAGE	READ POINT	QTY	FAILS
DS21Q43	A3-	FEB '03	30958	0305	ATK (Amkor, K)	DN039537AA	LQFP	500	77	0

TOTALS: FAIL RATE (Fits): 25 DEVICE HRS: 3.63E+07 0

RELIABILITY MONITOR

PROCESS: 1P, 1M, 0.8um, PdpIDiode, Low Vts , N+ESDII, WJ BPSG,

STRESS: HIGH VOLTAGE LIFE

PRODUCT	REV	MONITOR DATE	JOB NO	DATE CODE	ASSEMBLY FACILITY	LOT NO.	PACKAGE	READ POINT	QTY	FAILS
DS1232	C2-L	JAN '03	30758	0252	ATP (Amkor, PI)	DK235629AB	SOIC	500	80	0
DS1232	C2-L	JAN '03	30758	0252	ATP (Amkor, PI)	DK235629AB	SOIC	1000	80	0
DS1232	C2-L	JUL '02	30185	0111	OSEP	DE049638ADB	SOIC	500	79	0
DS1232	C2-L	JUL '02	30185	0111	OSEP	DE049638ADB	SOIC	1000	79	0

STRESS: HIGH TEMP OP LIFE

PRODUCT	REV	MONITOR DATE	JOB NO	DATE CODE	ASSEMBLY FACILITY	LOT NO.	PACKAGE	READ POINT	QTY	FAILS
DS1232	C2-L	JUL '03	31906	0327	ATP (Amkor, PI)	DK343027AA	SOIC	500	80	0
DS1232	C2-L	JUL '03	31906	0327	ATP (Amkor, PI)	DK343027AA	SOIC	1000	80	0
DS1232	C2-L	APR '03	31302	0310	Carsem	DM304031AH	SOIC	500	80	0
DS1232	C2-L	APR '03	31302	0310	Carsem	DM304031AH	SOIC	1000	80	0

TOTALS:

FAIL RATE (Fits): 3 DEVICE HRS: 3.01E+08 0

RELIABILITY MONITOR

PROCESS: D8W-1P1M,HPVt,E2 LOCOS:GOI

STRESS: HIGH VOLTAGE LIFE

PRODUCT	REV	MONITOR DATE	JOB NO	DATE CODE	ASSEMBLY FACILITY	LOT NO.	PACKAGE	READ POINT	QTY	FAILS
DS1621	A7	MAR '03	30966	0237	OSEP	DE106688AAB	SOIC	500	75	0
DS1621	A7	MAR '03	30966	0237	OSEP	DE106688AAB	SOIC	1000	75	0

STRESS: HIGH TEMP OP LIFE

PRODUCT	REV	MONITOR DATE	JOB NO	DATE CODE	ASSEMBLY FACILITY	LOT NO.	PACKAGE	READ POINT	QTY	FAILS
DS1620	D1	APR '03	31323	0310	NSEB	DJ232810AAB	SOIC	500	80	0
DS1620	D1	APR '03	31323	0310	NSEB	DJ232810AAB	SOIC	1000	80	0
DS1621	A7	JUN '03	31729	0247	ATP (Amkor, PI)	DK104614AA	SOIC	500	77	0
DS1621	A7	JUN '03	31729	0247	ATP (Amkor, PI)	DK104614AA	SOIC	1000	77	0

TOTALS:

FAIL RATE (Fits): 4 DEVICE HRS: 2.19E+08 0

RELIABILITY MONITOR

PROCESS: 1P, 1M, 1.2um, II Poly1 , TEOS Spacer,

STRESS: HIGH TEMP OP LIFE

PRODUCT	REV	MONITOR DATE	JOB NO	DATE CODE	ASSEMBLY FACILITY	LOT NO.	PACKAGE	READ POINT	QTY	FAILS
DS1267	A1-5	APR '03	31316	0309	ATP (Amkor, PI)	DK236020AFA	TSSOP	500	80	0
DS1267	A1-5	APR '03	31316	0309	ATP (Amkor, PI)	DK236020AFA	TSSOP	1000	80	0

TOTALS:

FAIL RATE (Fits): 12 DEVICE HRS: 7.55E+07 0

RELIABILITY MONITOR

PROCESS: 1P, 1M, 1.2um, ZTC P1, Ndepletion ,Latell ZTC,TEOSsp,

STRESS: HIGH TEMP OP LIFE

PRODUCT	REV	MONITOR DATE	JOB NO	DATE CODE	ASSEMBLY FACILITY	LOT NO.	PACKAGE	READ POINT	QTY	FAILS
DS1233	A5-5	JUL '03	31913	0326	Hana	DU338107AK	SOT223	500	80	0
DS1233	A5-5	APR '03	31309	0311	Hana	DU321432DC	SOT223	500	80	0
DS1233	A5-5	JUL '03	31913	0326	Hana	DU338107AK	SOT223	1000	80	0
DS1233	A5-5	APR '03	31309	0311	Hana	DU321432DC	SOT223	1000	79	0

TOTALS:

FAIL RATE (Fits): 6 DEVICE HRS: 1.50E+08 0