

RELIABILITY MONITOR

DS12887 APR '03 MONITOR

DEVICE	REVISION	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS12887	A2-C	0311	334654	24	Module w/Bent Frame	720	Fastech

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
31295	SOLDERABILITY	JESD22-B102	3	1	DYS	0
		TOTAL:				0
31296	PHYSICAL DIMENSIONS	JESD22-B100	6	1	DYS	0
		TOTAL:				0
31297	TEMP CYCLE	-40 TO 85C	100	300	CYS	0
		TOTAL:				0
FAILURE MODE	VERIFICATION	FA NUMBER	FAILURE MECHANISM			
URAM_LO	(#1)					
31298	BIASED MOISTURE	85/85, 5.5 VOLTS	100	500	HRS	0
		85/85, 5.5 VOLTS	99	1000	HRS	1
		TOTAL:				1
FAILURE MODE	VERIFICATION	FA NUMBER	FAILURE MECHANISM			
URAM_LO	(#2) Marginal device.					
INPUT LEAKAGE LO.	(#1,2) Failing unit #2 was submitted to FA on 11/26/03 by Richard Byrd.	30017248				
BATDROP	(#1) Returned to stress.					

PROJECT NO: 26520

RELIABILITY MONITOR

DS12887 JUL '03 MONITOR

DEVICE	REVISION	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS12887	A2-C	0318	335549	24	Module w/Bent Frame	720	Fastech

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
31921	SOLDERABILITY	JESD22-B102	3	1	DYS	0
		TOTAL:				0
31922	PHYSICAL DIMENSIONS	JESD22-B100	6	1	DYS	0
		TOTAL:				0
31923	TEMP CYCLE	-40 TO 85C	100	300	CYS	0
		TOTAL:				0
31924	BIASED MOISTURE	85/85, 5.5 VOLTS	100	500	HRS	1
		85/85, 5.5 VOLTS	99	1000	HRS	0
		TOTAL:				1

FAILURE MODE	VERIFICATION	FA NUMBER	FAILURE MECHANISM
OSCILLATOR FREQUENCY	# 1. Failing unit submitted to FA on 11/26/03 by Richard Byrd.	30017247	

PROJECT NO: 27786

RELIABILITY MONITOR

DS1643-100 FEB '03 MONITOR

DEVICE	REVISION	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS1643	C1	0305	334458	28	Module w/Hi Density SMT	720	Dallas

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
31038	SOLDERABILITY	JESD22-B102	3	5	DYS	0
		TOTAL:				0
31039	PHYSICAL DIMENSIONS	JESD22-B100	6	5	DYS	0
		TOTAL:				0
31040	STORAGE LIFE	70 C	77	500	HRS	0
		70 C	77	1000	HRS	0
		TOTAL:				0
31041	TEMP CYCLE	0C TO 70C	77	500	CYS	0
		0C TO 70C	77	1000	CYS	0
		TOTAL:				0
31042	MOISTURE SOAK	60C/90% R.H.	77	500	HRS	0
		60C/90% R.H.	64	1000	HRS	14

PROJECT NO: 26101

RELIABILITY MONITOR

DS1643-100 FEB '03 MONITOR

DEVICE	REVISION	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS1643	C1	0305	334458	28	Module w/Hi Density SMT	720	Dallas

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
TOTAL:						14
FAILURE MODE	VERIFICATION	FA NUMBER	FAILURE MECHANISM			
VOL DP	(#52) "	30017246				
ODD_ LEAK_HI_GANG	(#1,7,14,18,19,21,27,43,60,69,71)					
IN LEAK LO GANG	(#13) Units # 45 and 51 submitted to FA on 11/26/03 by Richard Byrd.	30017246				
CONTINUITY	(#4,8,12,20,24,37,38,44,45,51,57,67). "	30017246				

PROJECT NO: 26101

RELIABILITY MONITOR

DS1643-100 MAY '03 MONITOR

DEVICE	REVISION	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS1643	C1	0317	335494	28	Module w/Hi Density SMT	720	Fastech

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
31389	SOLDERABILITY	JESD22-B102	3	5	DYS	0
		TOTAL:				0
31390	PHYSICAL DIMENSIONS	JESD22-B100	6	5	DYS	0
		TOTAL:				0
31391	STORAGE LIFE	70 C	77	500	HRS	0
		70 C	77	1000	HRS	0
		TOTAL:				0
31392	TEMP CYCLE	0C TO 70C	77	500	CYS	0
		0C TO 70C	77	1000	CYS	0
		TOTAL:				0
31393	MOISTURE SOAK	60C/90% R.H.	77	500	HRS	0
		60C/90% R.H.	77	1000	HRS	0
		TOTAL:				0

PROJECT NO: 26760

RELIABILITY MONITOR

DS1643-100 AUG '03 MONITOR

DEVICE	REVISION	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS1643	C1	0333	MA337100AAA	28	Module w/Hi Density SMT	720	Fastech

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
32241	SOLDERABILITY	JESD22-B102	3	5	DYS	0
		TOTAL:				0
32242	PHYSICAL DIMENSIONS	JESD22-B100	6	5	DYS	0
		TOTAL:				0
32243	STORAGE LIFE	70 C	77	500	HRS	0
		70 C	77	1000	HRS	0
		TOTAL:				0
32244	TEMP CYCLE	0C TO 70C	77	500	CYS	0
		0C TO 70C	77	1000	CYS	0
		TOTAL:				0
32245	MOISTURE SOAK	60C/90% R.H.	77	500	HRS	0
		60C/90% R.H.	77	1000	HRS	0
		TOTAL:				0

PROJECT NO: 28161

RELIABILITY MONITOR

DS1803-010 JUL '03 MONITOR

DEVICE	REVISION	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS1803	A2	0317	DE335021AAB	16	SOIC	150x1.4	OSEP

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
31925	ULTRASOUND	J-STD-020	4	2	DYS	0
		TOTAL:				0
31926	STORAGE LIFE	125C	241	24	HRS	
	MOISTURE SOAK	85 C/85% R.H.	241	168	HRS	
	CONVECTION REFLOW	235C	241	3	PASS	
		TOTAL:				

PROJECT NO: 27784

RELIABILITY MONITOR

DS1990 MAY '03 MONITOR

DEVICE	REVISION	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS1990	A,F(A2)	0304	334377-1	2	iButton F50w/IC's	0	Fastech

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
31395	STORAGE LIFE	70 C	77	500	HRS	0
		70 C	77	1000	HRS	0
		TOTAL:				0
31396	TEMP CYCLE	-40 TO 85C	77	500	CYS	0
		TOTAL:				0
31397	MOISTURE SOAK	60C/90% R.H.	77	500	HRS	0
		60C/90% R.H.	77	1000	HRS	0
		TOTAL:				0

PROJECT NO: 26742

RELIABILITY MONITOR

DS1992 JUN '03 MONITOR

DEVICE	REVISION	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS1992	S-Z(A4)	0315	335226-1	2	iButton F50 w/Bump	0	Fastech

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
31652	STORAGE LIFE	70 C	77	500	HRS	0
		70 C	77	1000	HRS	0
		TOTAL:				0
31653	TEMP CYCLE	-40 TO 85C	77	500	CYS	0
		TOTAL:				0
31654	MOISTURE SOAK	60C/90% R.H.	76	500	HRS	0
		60C/90% R.H.	76	1000	HRS	0
		TOTAL:				0

PROJECT NO: 27321

RELIABILITY MONITOR

DS1992 SEP '03 MONITOR

DEVICE	REVISION	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS1992	S-Z(A4)	0332	MA336936AAB	2	iButton F50 w/Bump	0	Fastech

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
32402	STORAGE LIFE	70 C	77	500	HRS	0
		70 C	77	1000	HRS	0
		TOTAL:				0
32403	TEMP CYCLE	-40 TO 85C	77	500	CYS	0
		TOTAL:				0
32404	MOISTURE SOAK	60C/90% R.H.	75	500	HRS	0
		60C/90% R.H.	75	1000	HRS	0
		TOTAL:				0

PROJECT NO: 28607

RELIABILITY MONITOR

DS21Q43A AUG '03 MONITOR, D.P.

DEVICE	REVISION	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS21Q43	A3-A	0320	DN041135AAA	128	LQFP	14x20x	ATK (Amkor, K)

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
32246	ULTRASOUND	J-STD-020	4	1	DYS	0
		TOTAL:				0
32247	STORAGE LIFE	125C	241	24	HRS	
	MOISTURE SOAK	30C/60% R.H.	241	192	HRS	
	CONVECTION REFLOW	235C	241	3	PASS	
		TOTAL:				

PROJECT NO: 28160

RELIABILITY MONITOR

DS2502P APR '03 MONITOR

DEVICE	REVISION	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS2502	C4	0310	DE311138AMC	6	TSOC	150x1.2	OSEP

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
31265	ULTRASOUND	J-STD-020	4	2	DYS	0
		TOTAL:				0
31266	STORAGE LIFE	125C	151	24	HRS	
	MOISTURE SOAK	85 C/85% R.H.	151	168	HRS	
	CONVECTION REFLOW	235C	151	3	PASS	0
		TOTAL:				0
31267	PRECONDITION U/S	J-STD-020	4	2	DYS	0
		TOTAL:				0
31268	TEMP CYCLE	-55C TO 125C	77	500	CYS	0
		-55C TO 125C	77	1000	CYS	0
		TOTAL:				0
31269	AUTOCLAVE	121C, 2 ATM STEAM, UNBIASED	70	168	HRS	0
		TOTAL:				0

PROJECT NO: 26481

RELIABILITY MONITOR

DS2502P JUL '03 MONITOR

DEVICE	REVISION	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS2502	C4	0327	DE328634AFB	6	TSOC	150x1.2	OSEP

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
31932	ULTRASOUND	J-STD-020	4	2	DYS	0
		TOTAL:				0
31933	STORAGE LIFE	125C	151	24	HRS	
	MOISTURE SOAK	85 C/85% R.H.	151	168	HRS	
	CONVECTION REFLOW	235C	151	3	PASS	0
		TOTAL:				0
31934	PRECONDITION U/S	J-STD-020	4	2	DYS	0
		TOTAL:				0
31935	TEMP CYCLE	-55C TO 125C	77	500	CYS	0
		-55C TO 125C	77	1000	CYS	0
		TOTAL:				0
31936	AUTOCLAVE	121C, 2 ATM STEAM, UNBIASED	70	168	HRS	0
		TOTAL:				0

PROJECT NO: 27785

RELIABILITY MONITOR

DS29020 JUN '03 MONITOR

DEVICE	REVISION	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS29020	A7-340	0317	DX327020AAA	3	Cartridge	250	Consonic T

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
31644	STORAGE LIFE	85 C	77	336	HRS	0
		TOTAL:				0
31645	TEMP CYCLE	-40 TO 85C	77	300	CYS	0
		TOTAL:				0
31646	MOISTURE SOAK	85 C/85% R.H.	77	274	HRS	0
		TOTAL:				0

PROJECT NO: 27320

RELIABILITY MONITOR

DS3832C-311 + DS3802 MAR '03 MONITOR

DEVICE	REVISION	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS3832	B-C311	0215	964558-1	168	BGA Module, 1 Side	44x44x	Dallas

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
30846	STORAGE LIFE	125C	24	24	HRS	
	MOISTURE SOAK	30C/60% R.H.	24	192	HRS	
	CONVECTION REFLOW	220C	24	2	PASS	0
	TOTAL:					0
FAILURE MODE	VERIFICATION	FA NUMBER	FAILURE MECHANISM			
Solder	Further testing produced no failures, Richard Byrd (11/25/03).					
30847	0 HR TEST	Connect Cap & Base	24	1		0
	TOTAL:					0
30848	STORAGE LIFE	85 C	8	500	HRS	0
		85 C	8	1000	HRS	0
	TOTAL:					0
30849	TEMP CYCLE	-40 TO 85C	8	500	CYS	0
		-40 TO 85C	8	1000	CYS	0
	EXTERNAL VISUAL	JESD22-B101	8	6	DYS	0
	TOTAL:					0
30850	MOISTURE SOAK	60C/90% R.H.	8	500	HRS	0
		60C/90% R.H.	8	1000	HRS	0

PROJECT NO: 25000

RELIABILITY MONITOR

DS3832C-311 + DS3802 MAR '03 MONITOR

DEVICE	REVISION	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS3832	B-C311	0215	964558-1	168	BGA Module, 1 Side	44x44x	Dallas

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
		TOTAL:				0

PROJECT NO: 25000

RELIABILITY MONITOR

DS3832C-311 + DS3802 JUN '03 MONITOR

DEVICE	REVISION	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS3832	B-C311	0318	315975	168	BGA Module, 1 Side	44x44x	Dallas

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
31656	STORAGE LIFE	125C	24	24	HRS	
	MOISTURE SOAK	30C/60% R.H.	24	192	HRS	
	CONVECTION REFLOW	220C	24	2	PASS	0
	EXTERNAL VISUAL	JESD22-B101	24	2	DYS	0
TOTAL:						0
31657	0 HR TEST	Connect Cap & Base	24	1		0
		TOTAL:				
31658	STORAGE LIFE	85 C	8	500	HRS	0
		85 C	8	1000	HRS	0
		TOTAL:				
31659	TEMP CYCLE	-40 TO 85C	8	500	CYS	0
		-40 TO 85C	8	1000	CYS	0
		TOTAL:				
31660	MOISTURE SOAK	60C/90% R.H.	8	500	HRS	0
		60C/90% R.H.	8	1000	HRS	0
		TOTAL:				

PROJECT NO: 27261