

## RELIABILITY MONITOR

### DS1230Y-100 JAN '01 MONITOR

DEVICE	REVISIO	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS1230	A1-Y	0045	305435	28	Module w/SMT	720	Fastech

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
26427	SOLDERABILITY	MIL-STD-883-2003	3			0
		TOTAL:				0
26428	PHYSICAL DIMENSIONS	MIL-STD-883-2016	6			0
		TOTAL:				0
26429	STORAGE LIFE	85 C	200	48	HOUR	0
		TOTAL:				0
26430	TEMP CYCLE	0C TO 70C	100	300	CYCL	0
		0C TO 70C	100	1000	CYCL	0
		TOTAL:				0
26431	MOISTURE SOAK	60C/90% R.H.	100	288	HOUR	0
		60C/90% R.H.	100	960	HOUR	4
		TOTAL:				4

JOB NO	FAILURE MODE	FAILURE MECHANISM / CORRECTIVE ACTION
26431	4- BATTERY VOLTAGE	30000743

PROJECT NO: 16720

## RELIABILITY MONITOR

**DS1230Y-100 APR '01 MONITOR**

DEVICE	REVISIO	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS1230	A1-Y	0101	300896	28	Module w/SMT	720	Fastech

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
26856	SOLDERABILITY	MIL-STD-883-2003	3			0
		TOTAL:				0
26857	PHYSICAL DIMENSIONS	MIL-STD-883-2016	6			0
		TOTAL:				0
26858	STORAGE LIFE	85 C	200	48	HOUR	0
		TOTAL:				0
26859	TEMP CYCLE	-40 TO 85C	100	300	CYCL	3
		TOTAL:				3
26860	MOISTURE SOAK	60C/90% R.H.	100	288	HOUR	0
		60C/90% R.H.	100	960	HOUR	0
		TOTAL:				0

JOB NO	FAILURE MODE	FAILURE MECHANISM / CORRECTIVE ACTION
26859	VBATT_INITIAL	30000665
26859	SEQ_LEAK_LO	30000665
26860	PRETEST	IN PROCESS

**PROJECT NO: 17961**

## RELIABILITY MONITOR

**DS1230Y-100 JUL '01 MONITOR**

DEVICE	REVISIO	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS1230	A1-Y	0119	302244	28	Module w/SMT	720	Fastech

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
27331	SOLDERABILITY	JESD22-B102	3			0
		TOTAL:				0
27332	PHYSICAL DIMENSIONS	JESD22-B100	6			0
		TOTAL:				0
27333	STORAGE LIFE	85 C	200	48	HOUR	1
		TOTAL:				1
27334	TEMP CYCLE	-40 TO 85C	99	300	CYCL	1
		TOTAL:				1
27335	MOISTURE SOAK	60C/90% R.H.	100	288	HOUR	0
		60C/90% R.H.	100	960	HOUR	0
		TOTAL:				0

JOB NO	FAILURE MODE	FAILURE MECHANISM / CORRECTIVE ACTION
27333	OPENS	30001743
27334	VBAT_INIT	30002104

**PROJECT NO: 18754**

## RELIABILITY MONITOR

**DS12887 JAN '01 MONITOR**

DEVICE	REVISIO	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS12887	A2-C	0043	300511	24	Module w/Bent Frame	720	Fastech

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
26448	SOLDERABILITY	MIL-STD-883-2003	3			0
		TOTAL:				0
26449	PHYSICAL DIMENSIONS	MIL-STD-883-2016	6			0
		TOTAL:				0
26450	INFANT LIFE	85 C	200	48	HOUR	0
		TOTAL:				0
26451	TEMP CYCLE	-40 TO 85C	100	300	CYCL	0
		TOTAL:				0
26452	BIASED MOISTURE	85/85, 5.5 VOLTS	100	274	HOUR	0
		85/85, 5.5 VOLTS	96	959	HOUR	0
		TOTAL:				0

**PROJECT NO: 16723**

## RELIABILITY MONITOR

**DS12887 APR '01 MONITOR**

DEVICE	REVISIO	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS12887	A2-C	0102	301097	24	Module w/Bent Frame	720	Fastech

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
26875	SOLDERABILITY	MIL-STD-883-2003	3			0
		TOTAL:				0
26876	PHYSICAL DIMENSIONS	MIL-STD-883-2016	6			0
		TOTAL:				0
26877	INFANT LIFE	85 C	200	48	HOUR	0
		TOTAL:				0
26878	TEMP CYCLE	-40 TO 85C	100	300	CYCL	0
		TOTAL:				0
26879	BIASED MOISTURE	85/85, 5.5 VOLTS	100	274	HOUR	1
		85/85, 5.5 VOLTS	99	959	HOUR	0
		TOTAL:				1
<b>JOB NO</b>	<b>FAILURE MODE</b>	<b>FAILURE MECHANISM / CORRECTIVE ACTION</b>				
26879	WAKEUP TEST	IN PROCESS				

**PROJECT NO: 18001**

## RELIABILITY MONITOR

**DS12887 JUL '01 MONITOR**

DEVICE	REVISIO	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS12887	A2-C	0121	302296	24	Module w/Bent Frame	720	Fastech

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
27356	SOLDERABILITY	JESD22-B102	3			0
		TOTAL:				0
27357	PHYSICAL DIMENSIONS	JESD22-B100	6			0
		TOTAL:				0
27358	INFANT LIFE	85 C	200	48	HOUR	0
		TOTAL:				0
27359	TEMP CYCLE	-40 TO 85C	100	300	CYCL	0
		TOTAL:				0
27360	BIASED MOISTURE	85/85, 5.5 VOLTS	100	274	HOUR	0
		85/85, 5.5 VOLTS	100	959	HOUR	0
		TOTAL:				0

**PROJECT NO: 18778**

## RELIABILITY MONITOR

**DS12887 OCT '01 MONITOR**

DEVICE	REVISIO	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS12887	A2-C	0137	303363	24	Module w/Bent Frame	720	Fastech

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
28010	SOLDERABILITY	JESD22-B102	3			0
		TOTAL:				0
28012	INFANT LIFE	85 C	200	48	HOUR	0
		TOTAL:				0
28013	TEMP CYCLE	-40 TO 85C	100	300	CYCL	0
		TOTAL:				0
28014	BIASED MOISTURE	85/85, 5.5 VOLTS	99	274	HOUR	0
		85/85, 5.5 VOLTS	99	959	HOUR	0
		TOTAL:				0

**PROJECT NO: 19604**

## RELIABILITY MONITOR

**DS1643-100 FEB '01 MONITOR**

DEVICE	REVISIO	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS1643	C1	0104	301297	28	Module w/Hi Density SMT	720	Fastech

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
26563	SOLDERABILITY	MIL-STD-883-2003	3			0
		TOTAL:				0
26564	PHYSICAL DIMENSIONS	MIL-STD-883-2016	6			0
		TOTAL:				0
26565	STORAGE LIFE	70 C	77	336	HOUR	0
		70 C	77	1000	HOUR	0
		TOTAL:				0
26566	TEMP CYCLE	0C TO 70C	77	300	CYCL	0
		0C TO 70C	77	1000	CYCL	0
		TOTAL:				0

**PROJECT NO: 17042**

## RELIABILITY MONITOR

### DS1644 & DS9034PCX FEB '01 POWER CAP MONITOR

DEVICE	REVISIO	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS1644	B2	0051	300700	34	Power Cap	980x98	Fastech

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
26625	STORAGE LIFE	125C	225	24	HOUR	
	MOISTURE SOAK	30C/60% R.H.	225	144	HOUR	
	CONVECTION REFLOW	220C	225	2	PASS	0
	TOTAL:					0
26626	0 HR TEST	Connect Cap & Base	230	2		5
	TOTAL:					5
26627	STORAGE LIFE	70 C	71	336	HOUR	1
		70 C	69	1000	HOUR	0
	TOTAL:					1
26628	TEMP CYCLE	-40 TO 85C	77	300	CYCL	0
	TOTAL:					0
26629	MOISTURE SOAK	60C/90% R.H.	77	288	HOUR	0
	TOTAL:					0

JOB NO	FAILURE MODE	FAILURE MECHANISM / CORRECTIVE ACTION
26626	BENT SPRINGS	IN PROCESS
26627	ADDRESS DECODE	IN PROCESS

PROJECT NO: 17361

## RELIABILITY MONITOR

**DS1646-120 OCT '00 MONITOR**

DEVICE	REVISIO	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS1646	B2	0039	122182	32	Module w/Hi Density SMT 720		Fastech

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
26132	MOISTURE SOAK	60C/90% R.H.	77	288	HOUR	2
TOTAL:						2

JOB NO	FAILURE MODE	FAILURE MECHANISM / CORRECTIVE ACTION
26132	READ (2)	IN PROCESS

**PROJECT NO: 16496**

## RELIABILITY MONITOR

**DS1646-120 JAN '01 MONITOR**

DEVICE	REVISIO	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS1646	B2	0050	300710	32	Module w/Hi Density SMT	720	Fastech

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
26454	MOISTURE SOAK	60C/90% R.H.	77	288	HOUR	1
TOTAL:						1

JOB NO	FAILURE MODE	FAILURE MECHANISM / CORRECTIVE ACTION
26454	STOPPED CLOCK	20010104

**PROJECT NO: 16725**

## RELIABILITY MONITOR

**DS1992 JUN '01 MONITOR**

DEVICE	REVISIO	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS1992	E7	0122	DS044720ABR	2	iButton F50 w/Bump	0	Dallas

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
27087	STORAGE LIFE	70 C	77	336	HOUR	0
		70 C	77	1000	HOUR	0
		TOTAL:				
27088	TEMP CYCLE	-40 TO 85C	77	300	CYCL	0
		TOTAL:				
27089	MOISTURE SOAK	60C/90% R.H.	77	288	HOUR	0
		60C/90% R.H.	77	960	HOUR	0
		TOTAL:				

**PROJECT NO: 18641**

## RELIABILITY MONITOR

**DS1992 SEP '01 MONITOR**

DEVICE	REVISIO	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS1992	E7	0136	DB109491AAG	2	iButton F50 w/Bump	0	Dallas

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
27835	STORAGE LIFE	70 C	77	336	HOUR	0
		70 C	77	1000	HOUR	0
		TOTAL:				
27836	TEMP CYCLE	-40 TO 85C	77	300	CYCL	0
		TOTAL:				
27837	MOISTURE SOAK	60C/90% R.H.	77	288	HOUR	0
		60C/90% R.H.	77	960	HOUR	0
		TOTAL:				

**PROJECT NO: 19200**

## RELIABILITY MONITOR

**DS2902 JUN '01 MONITOR**

DEVICE	REVISIO	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS29020	A7-340	0158	DX043531AEA	3	Cartridge	250	Dallas

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
27164	STORAGE LIFE	85 C	77	336	HOUR	0
		TOTAL:				0
27165	TEMP CYCLE	-40 TO 85C	77	300	CYCL	0
		TOTAL:				0
27166	MOISTURE SOAK	85 C/85% R.H.	77	274	HOUR	0
		TOTAL:				0

**PROJECT NO: 18401**

## RELIABILITY MONITOR

### DS3816 & DS3801 NOV '00 MONITOR

DEVICE	REVISIO	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS3816	A-C501	0041	120701	170	BGA Module	1725x1	Dallas

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
26051	STORAGE LIFE	125C	99	24	HOUR	
	MOISTURE SOAK	30C/60% R.H.	99	144	HOUR	
	CONVECTION REFLOW	220C	99	2	PASS	0
	TOTAL:					
26053	STORAGE LIFE	85 C	33	336	HOUR	0
		85 C	30	1000	HOUR	1
		85 C	29	2000	HOUR	0
	TOTAL:					
26054	TEMP CYCLE	0C TO 70C	33	300	CYCL	0
		0C TO 70C	28	1000	CYCL	0
		0C TO 70C	25	2000	CYCL	0
	TOTAL:					
26055	MOISTURE SOAK	60C/90% R.H.	33	288	HOUR	2
	TOTAL:					

JOB NO	FAILURE MODE	FAILURE MECHANISM / CORRECTIVE ACTION
26053	WRACC_MIN	30000664
26055	READ DATA (2)	20010047

PROJECT NO: 16462

## RELIABILITY MONITOR

### DS3816 & DS3801 FEB '01 MONITOR

DEVICE	REVISIO	DATE CD	LOT NUMBER	PINS	PACKAGE	WIDTH	ASSEMBLY SITE
DS3816	A-C501	0105	305696	170	BGA Module	1725x1	Dallas

JOB_NO	DESCRIPTION	CONDITION	QUANTITY	READPOINT	UNITS	NO OF FAILS
26614	STORAGE LIFE	125C	99	24	HOUR	
	MOISTURE SOAK	30C/60% R.H.	99	144	HOUR	
	CONVECTION REFLOW	220C	99	2	PASS	1
	TOTAL:					
26616	STORAGE LIFE	85 C	33	336	HOUR	0
		85 C	30	1000	HOUR	0
	TOTAL:					
26617	TEMP CYCLE	-40 TO 85C	33	300	CYCL	0
		-40 TO 85C	22	1000	CYCL	0
	TOTAL:					
26618	MOISTURE SOAK	60C/90% R.H.	33	288	HOUR	0
	TOTAL:					

JOB NO	FAILURE MODE	FAILURE MECHANISM / CORRECTIVE ACTION
26614	ICCS3	20010068

PROJECT NO: 17301