



**CYPRESS
SEMICONDUCTOR
PRODUCT RELIABILITY**

CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Func- tion	Descr Description	Technology	Pro- cess	Wfr Loc	Pkg type	Assy Loc	No# Pin	Dura tion	Qty Test	Qty Fail	Fail Mode
CPD	HAST	140C/5.5V	CY2071SC	N/A	12980 (SWR)	TIMING	PLL CLOCK	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	8	128	50	0	
					13036 (SWR)	TIMING	PLL CLOCK	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	8	128	45	0	
					9513 3505265	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	128	45	0	
					9513 3506332	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	128	45	0	
			CY2254SC	9510	12980 (SWR)	TIMING	PLL CLOCK	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	16	128	50	0	
					13036 (SWR)	TIMING	PLL CLOCK	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	16	128	45	0	
					3505265	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	128	45	0	
					3506332	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	128	45	0	
	HASTX	140 deg/3.5V	CY2254SC	9510	3505265	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	128	45	0	
					3506332	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	128	45	0	
					3505265	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	128	45	0	
					3506332	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	128	45	0	
			CY2292SC	N/A	12980 (SWR)	TIMING	PLL CLOCK	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	16	48	510	0	
					13036 (SWR)	TIMING	PLL CLOCK	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	16	80	126	0	
					3505265	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	500	126	0		
					3506332	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	16	48	501	0	
	HTOL	150C/5.75V	CY2292SC	N/A	12980 (SWR)	TIMING	PLL CLOCK	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	16	80	116	0	
					13036 (SWR)	TIMING	PLL CLOCK	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	16	80	116	0	
					3505265	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	500	116	0		
					3506332	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	48	500	0	
			CY2254SC	9510	3505265	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	48	500	0	
					3506332	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	80	238	0	
					3505265	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	500	116	0		
					3506332	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	48	500	0	
HTS	165C/NO BIAS	CY2071SC	N/A	12980 (SWR)	TIMING	PLL CLOCK	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	8	336	48	0		
				13036 (SWR)	TIMING	PLL CLOCK	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	8	500	48	0		
				3505265	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	1000	48	0			
				3506332	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	336	45	0		
		CY2254SC	9534	3520780	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	336	45	0		
				12980 (SWR)	TIMING	PLL CLOCK	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	16	80	76	0		
				13036 (SWR)	TIMING	PLL CLOCK	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	16	168	76	0		
				3505265	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	16	80	78	0		
HTSSL	150C/5.75V	CY2254SC	9510	3505265	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	80	75	0		
				3506332	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	168	78	0		
				3505265	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	8	168	75	0		
				3506332	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	8	168	75	0		
		CY2292SC	N/A	12980 (SWR)	TIMING	PLL CLOCK	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	16	168	50	0		
				13036 (SWR)	TIMING	PLL CLOCK	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	16	168	45	0		
				3505265	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	168	45	0		
				3506332	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	168	45	0		
HTSSLX	150 deg/3.5V	CY2254SC	9510	3505265	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	80	75	0		
				3506332	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	168	78	0		
				3505265	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	8	168	75	0		
				3506332	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	8	168	75	0		
		CY2292SC	N/A	12980 (SWR)	TIMING	PLL CLOCK	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	16	168	50	0		
				13036 (SWR)	TIMING	PLL CLOCK	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	16	168	45	0		
				3505265	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	168	45	0		
				3506332	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	168	45	0		
PCT	121C/100%RH	CY2071SC	N/A	12980 (SWR)	TIMING	PLL CLOCK	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	8	168	50	0		
				13036 (SWR)	TIMING	PLL CLOCK	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	8	168	45	0		
				3505265	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	168	45	0		
				3506332	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	168	45	0		
		CY2254SC	9510	3505265	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	168	45	0		
				3506332	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	168	45	0		
				3505265	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	168	45	0		
				3506332	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	16	168	50	0		
T/S	-55C TO 150C	CY2071SC	N/A	12980 (SWR)	TIMING	PLL CLOCK	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	16	168	45	0		
				13036 (SWR)	TIMING	PLL CLOCK	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	16	168	45	0		
				3505265	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	8	100	48	0		
				3506332	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	8	200	48	0		
		CY2254SC	9534	3520780	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	100	45	0		
				12980 (SWR)	TIMING	PLL CLOCK	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	100	45	0		
				13036 (SWR)	TIMING	PLL CLOCK	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	8	300	49	0		
				3505265	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	8	300	44	0		
TC2	-65C TO 150C	CY2071SC	N/A	12980 (SWR)	TIMING	PLL CLOCK	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	8	300	49	0		
				13036 (SWR)	TIMING	PLL CLOCK	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	8	300	44	0		
				3505265	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	300	45	0		
				3506332	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	300	45	0		
		CY2254SC	9510	3505265	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	1000	45	0			
				3506332	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	1000	45	0			
				3505265	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	300	45	0		
				3506332	TIMING	CLOCK SYN.	SRAM/LOGIC-LG27	CMOS	MN	SOIC	PHIL-M	28	300	45	0		



CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Func- tion	Descr Description	Technology	Pro- cess	Wfr Loc	Pkg type	Assy Loc	No# Pin	Dura tion	Qty Test	Qty Fail	Fail Mode
FCT	HAST	140C/5.5V	CY74FCT162543TP	N/A	349502264	LOGIC	16-BIT LAT. SRAM/LOGIC-LG27	CMOS	MN	TSSO	KOREA-Q	56	128	46	0		
					349502265	LOGIC	16-BIT LAT. SRAM/LOGIC-LG27	CMOS	MN	TSSO	KOREA-Q	56	128	48	0		
			CY74FCT16543TPV	N/A	12994-1	LOGIC	TRANSCEIVER SRAM/LOGIC-LG27	CMOS	MN	SSOP	KOREA-L	56	128	48	0		
					349506923	LOGIC	TRANSCEIVER SRAM/LOGIC-LG27	CMOS	MN	SSOP	KOREA-L	56	128	44	0		
					349510196	LOGIC	TRANSCEIVER SRAM/LOGIC-LG27	CMOS	MN	SSOP	KOREA-L	56	128	48	0		
					12994-1	LOGIC	TRANSCEIVER SRAM/LOGIC-LG27	CMOS	MN	SSOP	KOREA-L	56	336	48	0		
	HTS	165C/NO BIAS	CY74FCT16543TPV	N/A	12994-1	LOGIC	TRANSCEIVER SRAM/LOGIC-LG27	CMOS	MN	SSOP	KOREA-L	56	500	48	0		
													1000	48	0		
	PCT	121C/100%RH	CY74FCT162543TP	N/A	349502264	LOGIC	16-BIT LAT. SRAM/LOGIC-LG27	CMOS	MN	TSSO	KOREA-Q	56	168	48	0		
					349502265	LOGIC	16-BIT LAT. SRAM/LOGIC-LG27	CMOS	MN	TSSO	KOREA-Q	56	168	50	0		
			CY74FCT16543TPV	N/A	12994-1	LOGIC	TRANSCEIVER SRAM/LOGIC-LG27	CMOS	MN	SSOP	KOREA-L	56	168	47	0		
					12994-2	LOGIC	TRANSCEIVER SRAM/LOGIC-LG27	CMOS	MN	SSOP	KOREA-L	56	168	47	0		
T/S	-55C TO 150C	CY74FCT16543TPV	N/A	12994-1	LOGIC	TRANSCEIVER SRAM/LOGIC-LG27	CMOS	MN	SSOP	KOREA-L	56	100	47	0			
												200	46	0			
TC	-40C TO 125C		CY74FCT827TQC	9443	349413687	LOGIC	10-Bit Buf. SRAM/LOGIC-LG27	CMOS	MN	QSOP	MALAY-U	24	500	80	0		



**CYPRESS
SEMICONDUCTOR
PRODUCT RELIABILITY**

TC2	-65C TO 150C	CY74FCT162543TP	N/A	349502264	LOGIC	16-BIT LAT. SRAM/LOGIC-LG27	CMOS	MN	TSSO	KOREA-Q	56	1500	80	0
											300	46	0	
											1000	46	0	
				349502265	LOGIC	16-BIT LAT. SRAM/LOGIC-LG27	CMOS	MN	TSSO	KOREA-Q	56	300	48	0
												1000	48	0
				CY74FCT16543TPV	N/A	349506923	LOGIC	TRANSCEIVER SRAM/LOGIC-LG27	CMOS	MN	SSOP	KOREA-L	56	300
				349510196	LOGIC	TRANSCEIVER SRAM/LOGIC-LG27	CMOS	MN	SSOP	KOREA-L	56	300	48	0

CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Func- tion	Descr Description	Technology	Pro- cess	Wfr Loc	Pkg type	Assy Loc	No# Pin	Dura tion	Qty Test	Qty Fail	Fail Mode
LOGIC	HAST	130C/5.5V 140C/5.5V	CY7C9101-40JC	9516	12957(SWR)	LOGIC	16-BITS SLI	SRAM/LOGIC-L13	CMOS	TX	PLCC	PHIL-M	68	128	45	0	
			CY101E383-3JC	9439	349411729	ECL	ECL/TTL	BICMOS-SM1	ECL	TX	PLCC	KOREA-A	84	128	45	0	
			CY7B145-35AC	9516	349505455	SRAM	8K x 9 DP	BICMOS-SM2	BICMOS	TX	TQFP	KOREA-Q	80	128	50	0	
				9519	349506331	SRAM	8K x 9 DP	BICMOS-SM2	BICMOS	TX	TQFP	KOREA-Q	80	128	48	0	
			CY7B923-JC	9416	49404074	COMM	HOTLink	BICMOS-SM1	BICMOS	TX	PLCC	KOREA-A	28	128	48	0	
			CY7B991-7JC	N/A	89719	TIMING	PSCB	BICMOS-SM1	BICMOS	CA	PLCC	KOREA-A	32	100	46	0	
			CY7C136-55JC	9525	349511311	SRAM	2K x 8 DP	SRAM/LOGIC-R21	CMOS	TX	PLCC	KOREA-A	52	128	48	0	
				9547	349524032	SRAM	2K x 8 DP	SRAM/LOGIC-R21	CMOS	TX	PLCC	KOREA-A	52	128	48	0	
			CY7C4245-30JC	9531	349515555	FIFO	4Kx18 FIFO	SRAM/LOGIC-R28	CMOS	MN	PLCC	KOREA-A	68	128	50	0	
			CY7C425-65PC	9508	349502698	FIFO	1K x 9 FIFO	SRAM/LOGIC-R25	CMOS	MN	PDIP	KOREA-A	32	128	47	0	
	HTOL	150C/5.75V	CY7C9101-40JC	9516	12957(SWR)	LOGIC	16-BITS SLI	SRAM/LOGIC-L13	CMOS	TX	PLCC	PHIL-M	68	128	45	0	
			VIC068A-BC	9433	49408036	BUS	VME BUS	SRAM/LOGIC-C2AN	CMOS	MN	PPGA	USA-V	144	128	40	0	
				9502	349414269B	BUS	VME BUS	SRAM/LOGIC-C2AN	CMOS	MN	PPGA	USA-V	144	128	45	0	
			CY7B145-25JC	9530	13123	SRAM	8K x 9 DP	BICMOS-SM2	BICMOS	TX	PLCC	PHIL-M	68	184	45	0	
													500	45	0		
			CY7B923-JC	9416	49404074	COMM	HOTLink	BICMOS-SM1	BICMOS	TX	PLCC	KOREA-A	28	48	507	0	
													80	80	0		
													80	120	1	IONIC CONTAMINATION	
													500	119	0		
			CY7B923-LM	9514	349504850	COMM	HOTLink	BICMOS-SM1	BICMOS	TX	PLCC	KOREA-A	28	48	1067	0	
				9432	219409342	COMM	HOTLink	BICMOS-SM1	BICMOS	TX	LCC	ALPHA-X	28	48	507	0	
													80	120	0		
													500	120	0		
			CY7B923-LMB	9427	219407764	COMM	HOTLink	BICMOS-SM1	BICMOS	TX	LCC	ALPHA-X	28	184	50	0	
			CY7B991-7JC	9341	49304967	TIMING	PSCB	BICMOS-SM1	BICMOS	TX	PLCC	KOREA-A	32	48	322	0	
					49304968	TIMING	PSCB	BICMOS-SM1	BICMOS	TX	PLCC	KOREA-A	32	48	426	0	



CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

-- PAGE 67 --



**CYPRESS
SEMICONDUCTOR
PRODUCT RELIABILITY**

HTS	165C/NO BIAS	CY7C9101-40JC	9516	12957(SWR)	LOGIC	16-BITS SLI	SRAM/LOGIC-L13	CMOS	TX	PLCC	PHIL-M	68	1000	285	0	3	EOS
			9530	13123	SRAM	8K x 9 DP	BICMOS-SM2	BiCMOS	TX	PLCC	PHIL-M	68	336	210	0		
HTSSL	150C/5.75V	CY7B145-25JC	9416	49404074	COMM	HOTLink	BICMOS-SM1	BiCMOS	TX	PLCC	KOREA-A	28	168	76	1	1	NON-VISUAL
					COMM	HOTLink	BICMOS-SM1	BiCMOS	TX	LCC	ALPHA-X	28	168	78	0		
		CY7B923-JC	9432	219409342	COMM	HOTLink	BICMOS-SM1	BiCMOS	TX	LCC	ALPHA-X	28	168	80	0		
			9341	49304968	TIMING	PSCB	BICMOS-SM1	BiCMOS	TX	PLCC	KOREA-A	32	80	96	0		
		CY7B991-7JC	9344	219306627	TIMING	PSCB	BICMOS-SM1	BiCMOS	TX	LCC	ALPHA-X	32	168	96	0		
													80	76	0		

CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Function	Description	Technology	Process	Wfr Loc	Pkg type	Assy Loc	No# Pin	Dura tion	Qty Test	Qty Fail	Fail Mode
LOGIC	HTSSL	150C/5.75V	CY7C136-55JC	9525	349511311	SRAM	2K x 8 DP	SRAM/LOGIC-R21	CMOS	TX	PLCC	KOREA-A	52	80	80	0	
			CY7C136-55LM	9530	219510650	SRAM	2K x 8 DP	SRAM/LOGIC-R21	CMOS	TX	LCC	ALPHA-X	52	168	80	0	
				9516	219505497	FIFO	1K x 9 FIFO	SRAM/LOGIC-R25	CMOS	MN	CDIP	KOREA-A	32	80	98	0	
			CY7C425-65DM	9508	349502581	FIFO	1K x 9 FIFO	SRAM/LOGIC-R25	CMOS	MN	PLCC	KOREA-A	32	168	97	0	
														80	78	0	
	HTSSL2	125C/5.75V	CY101E383-3JC	9439	349411729	ECL	ECL/TTL	BICMOS-SM1	ECL	TX	PLCC	KOREA-A	84	168	80	0	
				9447	349414205	ECL	ECL/TTL	BICMOS-SM1	ECL	TX	PLCC	KOREA-A	84	168	80	0	
			CY7B991-7JC	N/A	89719	TIMING	PSCB	BICMOS-SM1	BiCMOS	CA	PLCC	KOREA-A	32	336	80	0	
														168	76	0	
			CY7B992-7LC	9242	89490	TIMING	PSCB	BICMOS-SM1	BiCMOS	CA	LCC	USA-C	32	336	75	0	1 ESD
PCT		125C/7.0V	CY7C4245-30JC	9531	349515555	FIFO	4Kx18 FIFO	SRAM/LOGIC-R28	CMOS	MN	PLCC	KOREA-A	68	168	72	0	1 EOS
														336	71	0	
			CY101E383-3JC	9439	349411729	ECL	ECL/TTL	BICMOS-SM1	ECL	TX	PLCC	KOREA-A	84	168	76	0	
														500	76	0	
			CY7B145-35AC	9519	349506331	SRAM	8K x 9 DP	BICMOS-SM2	BiCMOS	TX	TQFP	KOREA-Q	80	168	45	0	
		121C/100%RH	CY7B923-JC	9416	49404074	COMM	HOTLink	BICMOS-SM1	BiCMOS	TX	PLCC	KOREA-A	28	168	48	0	
			CY7B991-7JC	N/A	89719	TIMING	PSCB	BICMOS-SM1	BiCMOS	CA	PLCC	KOREA-A	32	168	46	0	
			CY7C136-55JC	9525	349511311	SRAM	2K x 8 DP	SRAM/LOGIC-R21	CMOS	TX	PLCC	KOREA-A	52	168	48	0	
			CY7C425-65JC	9547	349524032	SRAM	2K x 8 DP	SRAM/LOGIC-R21	CMOS	TX	PLCC	KOREA-A	52	168	48	0	
				9531	349515555	FIFO	4Kx18 FIFO	SRAM/LOGIC-R28	CMOS	MN	PLCC	KOREA-A	68	168	52	0	
T/S		-55C TO 150C	CY7C425-65JC	9508	349502581	FIFO	1K x 9 FIFO	SRAM/LOGIC-R25	CMOS	MN	PLCC	KOREA-A	32	168	46	0	
				9516	12957(SWR)	LOGIC	16-BITS SLI	SRAM/LOGIC-L13	CMOS	TX	PLCC	PHIL-M	68	168	45	0	
			CY7C9101-40JC	9433	49408036	BUS	VME BUS	SRAM/LOGIC-C2AN	CMOS	MN	PPGA	USA-V	144	168	45	0	
				9502	349414269B	BUS	VME BUS	SRAM/LOGIC-C2AN	CMOS	MN	PPGA	USA-V	144	168	45	0	
			VIC068A-BC	9519	349506331	SRAM	8K x 9 DP	BICMOS-SM2	BiCMOS	TX	TQFP	KOREA-Q	80	100	48	0	
			CY7B145-35AC	9527	349508304	SRAM	8K x 9 DP	BICMOS-SM2	BiCMOS	TX	TQFP	KOREA-Q	80	200	47	0	1 EOS
														100	50	0	
			CY7C9101-40JC	9516	12957(SWR)	LOGIC	16-BITS SLI	SRAM/LOGIC-L13	CMOS	TX	PLCC	PHIL-M	68	200	45	0	
														100	45	0	
			VIC068A-BC	9502	349414269B	BUS	VME BUS	SRAM/LOGIC-C2AN	CMOS	MN	PPGA	USA-V	144	100	45	0	
TC		-40C TO 125C	CY101E383-3JC	9439	349411729	ECL	ECL/TTL	BICMOS-SM1	ECL	TX	PLCC	KOREA-A	84	200	48	0	
														500	48	0	
				9447	349414205	ECL	ECL/TTL	BICMOS-SM1	ECL	TX	PLCC	KOREA-A	84	1000	48	0	
														1500	48	0	
														500	48	0	
			CY7B991-7JC	N/A	89719	TIMING	PSCB	BICMOS-SM1	BiCMOS	CA	PLCC	KOREA-A	32	1000	46	0	
														1500	46	0	
			CY7C9101-40JC	9516	12957(SWR)	LOGIC	16-BITS SLI	SRAM/LOGIC-L13	CMOS	TX	PLCC	PHIL-M	68	500	95	0	
														1500	94	0	
			VIC068A-BC	9502	349414269A	BUS	VME BUS	SRAM/LOGIC-C2AN	CMOS	MN	PPGA	USA-V	144	500	45	0	



**CYPRESS
SEMICONDUCTOR
PRODUCT RELIABILITY**

CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Function	Description	Technology	Process	Wfr Loc	Pkg type	Assy Loc	No# Pin	Dura tion	Qty Test	Qty Fail	Fail Mode
LOGIC	TC	-40C TO 125C	VIC068A-BC	9502	349414269A	BUS	VME BUS	SRAM/LOGIC-C2AN	CMOS	MN	PPGA	USA-V	144	1500	45	0	
				9532	349512348	BUS	VME BUS	SRAM/LOGIC-C2AN	CMOS	MN	PPGA	USA-V	144	500	50	0	
	TC2	-65C TO 150C	CY101E383-3JC	9447	349414205	ECL	ECL/TTL	BICMOS-SM1	ECL	TX	PLCC	KOREA-A	84	300	48	0	
														1500	50	0	
			CY7B134-35PI	9504	349500280	SRAM	4K x 8 DP	BICMOS-SM2	BiCMOS	TX	PDIP	KOREA-H	48	300	77	0	
														1000	48	0	
			CY7B145-35AC	9516	349505455	SRAM	8K x 9 DP	BICMOS-SM2	BiCMOS	TX	TQFP	KOREA-Q	80	300	50	0	TOPSIDE CRACKS
				9527	349508304	SRAM	8K x 9 DP	BICMOS-SM2	BiCMOS	TX	TQFP	KOREA-Q	80	300	49	0	
														1000	49	0	
			CY7B923-JC	9416	49404074	COMM	HOTLink	BICMOS-SM1	BiCMOS	TX	PLCC	KOREA-A	28	300	48	0	
														1000	48	1	TOPSIDE CRACKS
			CY7B923-LM	9432	219409342	COMM	HOTLink	BICMOS-SM1	BiCMOS	TX	LCC	ALPHA-X	28	100	50	0	
														1000	50	0	
			CY7B991-7JC	9529	349510241	TIMING	PSCB	BICMOS-SM1	BiCMOS	TX	PLCC	KOREA-A	32	300	47	0	
					349512182	TIMING	PSCB	BICMOS-SM1	BiCMOS	TX	PLCC	KOREA-A	32	300	47	0	
														1000	47	0	
			CY7B9910-7SC	9518	349507475	TIMING	PSCB	BICMOS-SM1	BiCMOS	TX	SOIC	INDNS-O	24	300	50	0	
														1000	50	0	
				9520	349507474	TIMING	PSCB	BICMOS-SM1	BiCMOS	TX	SOIC	INDNS-O	24	300	50	0	
														1000	50	0	
			CY7B992-7JI	9526	349511825	TIMING	PSCB	BICMOS-SM1	BiCMOS	TX	PLCC	KOREA-A	32	300	47	0	
														1000	47	0	
			CY7B992-7LC	9242	89490	TIMING	PSCB	BICMOS-SM1	BiCMOS	CA	LCC	USA-C	32	100	45	0	
														1000	44	0	1 EOS
			CY7B9920-7SC	9517	349506624	TIMING	PSCB	BICMOS-SM1	BiCMOS	TX	SOIC	INDNS-O	24	300	50	0	
														1000	50	0	
			CY7C136-55JC	9525	349511311	SRAM	2K x 8 DP	SRAM/LOGIC-R21	CMOS	TX	PLCC	KOREA-A	52	300	48	0	
				9533	349516090	SRAM	2K x 8 DP	SRAM/LOGIC-R21	CMOS	TX	PLCC	KOREA-A	52	300	48	0	
				9547	349524030	SRAM	2K x 8 DP	SRAM/LOGIC-R21	CMOS	TX	PLCC	KOREA-A	52	300	48	0	
					349524031	SRAM	2K x 8 DP	SRAM/LOGIC-R21	CMOS	TX	PLCC	KOREA-A	52	300	48	0	
					349524032	SRAM	2K x 8 DP	SRAM/LOGIC-R21	CMOS	TX	PLCC	KOREA-A	52	300	48	0	
			CY7C136-55LM	9530	219510650	SRAM	2K x 8 DP	SRAM/LOGIC-R21	CMOS	TX	LCC	ALPHA-X	52	100	50	0	
														1000	50	0	
			CY7C4245-30JC	9531	349515555	FIFO	4Kx18 FIFO	SRAM/LOGIC-R28	CMOS	MN	PLCC	KOREA-A	68	300	50	0	
			CY7C425-65DM	9516	219505497	FIFO	1K x 9 FIFO	SRAM/LOGIC-R25	CMOS	MN	CDIP	KOREA-A	32	100	45	0	
														1000	45	0	
			CY7C425-65JC	9508	349502581	FIFO	1K x 9 FIFO	SRAM/LOGIC-R25	CMOS	MN	PLCC	KOREA-A	32	300	46	0	
														1000	46	0	
			CY7C460-40PC	9434	349412376	FIFO	8K X 9 FIFO	SRAM/LOGIC-R21	CMOS	MN	PDIP	INDNS-O	28	300	49	5	5 TOPSIDE CRACKS
TEV	0 READ POINT		CY7B145-25JC	9538	349519727	SRAM	8K x 9 DP	BICMOS-SM2	BiCMOS	TX	PLCC	KOREA-A	68	-5	120	0	
														25	120	0	
														85	120	0	

CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Function	Description	Technology	Process	Wfr Loc	Pkg type	Assy Loc	No# Pin	Dura tion	Qty Test	Qty Fail	Fail Mode
MTI1	LDPULL	> .5Kg > 1Kg SHEAR FORC	CYM7232PG	9522	9522956	DRAC	32 BIT CONT	SMT	FP	SJ	PGA	AMT	401		15	0	
			CYM1441PZ	9523	9523938	SRAM	256K X 8	SMT	STD	SJ	ZIP	AMT	60		16	0	
			CYM1821PM	9521	9521924	SRAM	64K X 32	SMT	STD	SJ	SIMM	AMT	64		16	0	
	PCT	100%RH/121	CYM9245PB	9529	9529960	SRAM	256 OPTI CA	SMT	STD	SJ	SIMM	AMT	112	168	20	0	



TC	-40°C/+100°C	CYM1441PZ	9523	9523938	SRAM	256K X 8	SMT	STD	SJ	ZIP	AMT	60	500	17	0	
		CYM1821PM	9521	9521924	SRAM	64K X 32	SMT	STD	SJ	SIMM	AMT	64	500	17	0	
		CYM1836	9503	9503365	SRAM	128K X 32	SMT	STD	SJ	ZIP	SJ	64	1000	15	0	
		CYM9245PB	9529	9529960	SRAM	256 OPTI CA	SMT	STD	SJ	SIMM	AMT	112	1000	50	0	
		CYM1465	9502	9502670	SRAM	512K X 8	SMT	FP	SJ	DIP	HANA	32	600	14	0	
	-5°C/+85°C	CYM7232PG	9522	9522956	DRAC	32 BIT CONT	SMT	FP	SJ	PGA	AMT	401	500	16	0	
		CYM1821PZ	9520	9520887	SRAM	64K X 32	SMT	STD	SJ	ZIP	HANA	64	1000	16	0	
	0°C/+125°C	CYM74B430PM	9540	9540126	SRAM	256 TRITON	SMT	STD	SJ	SIMM	HANA	160	500	16	2	cy199: cracked topsi
												1000		14	0	
		CYM9136PZ	9536	9536982	SRAM	32K X 16	SMT	STD	SJ	ZIP	AMT	81	500	16	0	

CYM9237PB	9533	9533046	SRAM	256K UMC	CA	SMT	STD	SJ	SIMM	AMT	112	1000	16	0	
CYM9245PB	9529	9529960	SRAM	256 OPTI	CA	SMT	STD	SJ	SIMM	AMT	112	1000	24	0	unknown

CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Function	Description	Technology	Process	Wfr Loc	Pkg type	Assy Loc	No# Pin	Dura tion	Qty Test	Qty Fail	Fail Mode
PLD	DRET	165C/NO BIAS	CY7C341-25JC	9435	349410292	PLD	192 MCELL	FAMOS-P20DHL	CMOS	TX	PLCC	KOREA-A	84	168	80	0	
														1000	79	0	
			CY7C342-40JC	9521	349509096	PLD	128 MCELL	FAMOS-P20DHL	CMOS	TX	PLCC	KOREA-A	68	168	79	0	
														1000	79	0	
			CY7C342B-25JC	NA	ALTERA	PLD	128 MCELL	FAMOS-P26	CMOS	TX	PLCC	KOREA-A	68	168	77	0	
														232	132	0	
														500	77	0	
			CY7C371-100JC	9523	349510044	PLD	32 MCELL FL	FLASH-FL22D	CMOS	CA	PLCC	KOREA-A	44	168	45	0	
														1000	45	0	
			CY7C374-100JC	9419	49405073	PLD	128 MCEL FL	FLASH-FL22D	CMOS	CA	PLCC	KOREA-A	84	168	79	0	
														552	79	0	
				9420	49405480	PLD	128 MCEL FL	FLASH-FL22D	CMOS	CA	PLCC	KOREA-A	84	168	79	0	

PALC22V10B-15PC	9504	349501060	PLD	CMOS PAL	FAMOS-P20D	CMOS	TX	PLCC	INDNS-O	24	168	80	0	552	80	0	
-----------------	------	-----------	-----	----------	------------	------	----	------	---------	----	-----	----	---	-----	----	---	--



CYPRESS
SEMICONDUCTOR
PRODUCT RELIABILITY

DRET2	250C/NO BIAS	PALC22V10D-10JC	9536	3495158508	PLD	CMOS	PAL	FLASH-FL24D	CMOS	TX	PLCC	KOREA-A	28	168	78	0	3 EOS
			9538	349520602B	PLD	CMOS	PAL	FLASH-FL24D	CMOS	TX	PLCC	KOREA-A	28	552	78	0	
														168	78	0	
		PALC22V10D-10PC	9443	349413168	PLD	CMOS	PAL	FLASH-FL22D	CMOS	FR	PDIP	INDNS-O	24	552	78	0	
			9444	349413496	PLD	CMOS	PAL	FLASH-FL22D	CMOS	FR	PDIP	INDNS-O	24	168	85	0	
														552	85	0	
			9445	349414067	PLD	CMOS	PAL	FLASH-FL22D	CMOS	FR	PDIP	INDNS-O	24	168	85	0	
														552	85	0	
			9506	349501766	PLD	CMOS	PAL	FLASH-FL22D	CMOS	FR	PDIP	INDNS-O	24	168	80	0	
														552	80	0	
			9539	591500237	PLD	CMOS	PAL	FLASH-FL24D	CMOS	TX	PDIP	INDNS-O	24	168	78	0	
														552	78	0	
		PALCE20V8-25JC	9531	349515484	PLD	CMOS	PAL	FLASH-FL22D	CMOS	CA	PLCC	KOREA-A	28	168	78	0	
														552	78	0	
		PALCE20V8-25PC	9528	349514098	PLD	CMOS	PAL	FLASH-FL22D	CMOS	CA	PDIP	INDNS-O	24	168	80	0	
														552	80	0	
		CY7C374-100YC	9444	349413105	PLD	128	MCEL	FL FLASH-FL22D	CMOS	CA	HLCC	PHIL-M	84	96	88	0	
														168	79	0	
		PALCE16V8-25DMB	9448	219414658	PLD	CMOS	PAL	FLASH-FL22D	CMOS	CA	CDIP	INDNS-O	20	96	79	0	
		CY7C342B-25HMB	9449	219415092	PLD	128	MCELL	FAMOS-P26	CMOS	TX	WHLC	ALPHA-X	68	352	78	0	
GRP-C HAST	150 deg/5.75V 130C/5.5V	CY7C375-100AC	9421	49405621	PLD	128	MCEL	FL FLASH-FL22D	CMOS	CA	TQFP	KOREA-A	160	50	24	0	
														128	24	0	
		CY7C388A-2NC	9521	1509257	FPGA	8K	GATE	FAMOS-VL26D	CMOS	CA	PQFP	KOREA-A	208	50	4	0	
														128	4	0	
			9523	1513339	FPGA	8K	GATE	FAMOS-VL26D	CMOS	CA	PQFP	KOREA-A	208	256	14	0	
				349509393	FPGA	8K	GATE	FAMOS-VL26D	CMOS	CA	PQFP	KOREA-A	208	50	34	0	
														128	78	0	
														256	64	0	
			9529	349509804	FPGA	8K	GATE	FAMOS-VL26D	CMOS	CA	PQFP	KOREA-A	208	50	14	0	
														128	14	0	

CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Function	Descr Description	Technology	Process	Wfr Loc	Pkg type	Assy Loc	No# Pin	Dura tion	Qty Test	Qty Fail	Fail Mode	
PLD	HAST	130C/5.5V	CY7C388A-2NC	9536	1508232	FPGA	8K GATE	FAMOS-VL26D	CMOS	CA	PQFP	KOREA-A	208	128	11	0		
														256	11	0		
		140C/5.5V	CY7C342-25JC	9440	349411584	PLD	128 MCELL	FAMOS-P20DHL	CMOS	TX	PLCC	KOREA-A	68	128	49	0		
															256	49		0
			CY7C342-40JI	9508	349501133	PLD	128 MCELL	FAMOS-P20DHL	CMOS	TX	PLCC	KOREA-A	68	128	73	2	TOPSIDE CRACKS	
			CY7C342B-25JC	NA	ALTERA	PLD	128 MCELL	FAMOS-P26	CMOS	TX	PLCC	KOREA-A	68	128	47	0		
			CY7C344-25PC	9517	349506849	PLD	32 MCELL	FAMOS-P20DHL	CMOS	TX	PDIP	INDNS-O	28	128	80	0	1 TOPSIDE CRACKS	
			CY7C371-100JC	9523	349510044	PLD	32 MCELL	FL FLASH-FL22D	CMOS	CA	PLCC	KOREA-A	44	128	16	1		
			CY7C374-100JC	9419	49405074	PLD	128 MCEL	FL FLASH-FL22D	CMOS	CA	PLCC	KOREA-A	84	128	45	0		
				9420	49405480	PLD	128 MCEL	FL FLASH-FL22D	CMOS	CA	PLCC	KOREA-A	84	128	48	0		
				9523	349510045	PLD	128 MCEL	FL FLASH-FL22D	CMOS	CA	PLCC	KOREA-A	84	128	47	0		
			CY7C375-100AC	9443	349412808	PLD	128 MCEL	FL FLASH-FL22D	CMOS	CA	TQFP	KOREA-Q	160	64	48	0		
														128	48	0		
														192	48	0		
														256	48	0		
			CY7C387A-2AC	9531	349512442	FPGA	8K GATE	FAMOS-VL26D	CMOS	CA	TQFP	KOREA-Q	144	128	45	0		
			PAL22V10G-10JC	9410	49402500	PLD	UNI. PAL	BICMOS-SP3	BiCMOS	CA	PLCC	KOREA-A	28	128	46	0		
				9411	49402681	PLD	UNI. PAL	BICMOS-SP3	BiCMOS	CA	PLCC	KOREA-A	28	128	47	0		
			PALC22V10-40JC	9516	12956(SWR)	PLD	CMOS	PAL	FAMOS-P13	CMOS	TX	PLCC	PHIL-M	28	128	45	0	
			PALC22V10-40JI	9514	349504808	PLD	CMOS	PAL	FAMOS-P13	CMOS	TX	PLCC	KOREA-H	28	128	80	0	
			PALC22V10B-15PC	9504	349501060	PLD	CMOS	PAL	FAMOS-P20D	CMOS	TX	PLCC	INDNS-O	24	128	51	0	
			PALC22V10D-10JC	9536	3495158508	PLD	CMOS	PAL	FLASH-FL24D	CMOS	TX	PLCC	KOREA-A	28	128	48	0	
				9538	349520602B	PLD	CMOS	PAL	FLASH-FL24D	CMOS	TX	PLCC	KOREA-A	28	128	46	0	
														256	46	0		
			PALC22V10D-10PC	9443	349413168	PLD	CMOS	PAL	FLASH-FL22D	CMOS	FR	PDIP	INDNS-O	24	128	51		0
			PALCE16V8-25OC	9449	349413684	PLD	CMOS	PAL	FLASH-FL22D	CMOS	CA	QSOP	MALAY-U	20	128	79	0	



HTOL	150C/5.50V	PALCE20V8-25JC	9531	349515484	PLD	CMOS PAL	FLASH-FL22D	CMOS	CA	PLCC KOREA-A	28	128	51	0	1	EOS
		PALCE20V8-25PC	9528	349514098	PLD	CMOS PAL	FLASH-FL22D	CMOS	CA	PDIP INDNS-O	24	128	47	0		
		CY7C387A-2NC	9527	1452956	FPGA	8K GATE	FAMOS-VL26D	CMOS	CA	PQFP KOREA-A	208	48	9	0		
		CY7C388A-2NC	9521	1509257	FPGA	8K GATE	FAMOS-VL26D	CMOS	CA	PQFP KOREA-A	208	48	106	0		
												168	106	0		
			9527	1452956	FPGA	8K GATE	FAMOS-VL26D	CMOS	CA	PQFP KOREA-A	208	168	42	0	2	EOS
												500	76	0		
				1507188	FPGA	8K GATE	FAMOS-VL26D	CMOS	CA	PQFP KOREA-A	208	48	15	0		
												168	15	0		
			9528	1452956	FPGA	8K GATE	FAMOS-VL26D	CMOS	CA	PQFP KOREA-A	208	48	6	0		
												168	6	0		
				1509257	FPGA	8K GATE	FAMOS-VL26D	CMOS	CA	PQFP KOREA-A	208	48	46	0	1	EOS
												168	47	0		
			9529	1515408	FPGA	8K GATE	FAMOS-VL26D	CMOS	CA	PQFP KOREA-A	208	48	80	0		
												168	80	0		
												500	80	0		
	150C/5.75V	CY7C343-35JC	9508	349502387L	PLD	64 MCELL	FAMOS-P21DH	CMOS	TX	PLCC KOREA-A	44	12	472	0		
			9510	349503251L	PLD	64 MCELL	FAMOS-P21DH	CMOS	TX	PLCC KOREA-A	44	12	473	0	2	EOS
			9513	349505113L	PLD	64 MCELL	FAMOS-P21DH	CMOS	TX	PLCC KOREA-A	44	12	468	0	13	EOS

CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Function	Description	Technology	Process	Wfr Loc	Pkg type	Assy Loc	No# Pin	Dura tion	Qty Test	Qty Fail	Fail Mode
PLD	HTOL	150C/5.75V	CY7C374-100GC	9521	219507329	PLD	128 MCEL FL	FLASH-FL22D	CMOS	CA	CPGA	ALPHA-X	84	80	79	0	
														500	79	0	
			CY7C374-100GMB	9448	219414661	PLD	128 MCEL FL	FLASH-FL22D	CMOS	CA	CPGA	ALPHA-X	84	184	78	0	2 EOS
				9522	219507690	PLD	128 MCEL FL	FLASH-FL22D	CMOS	CA	CPGA	ALPHA-X	84	184	45	0	
			CY7C374-100YC	9443	49409172	PLD	128 MCEL FL	FLASH-FL22D	CMOS	CA	HLCC	PHIL-M	84	80	78	0	1 EOS
														500	75	0	2 EOS
														1000	71	0	4 EOS
			CY7C375-100GMB	9443	219412956	PLD	128 MCEL FL	FLASH-FL22D	CMOS	CA	CPGA	ALPHA-X	160	184	80	0	
				9534	219511847	PLD	128 MCEL FL	FLASH-FL22D	CMOS	CA	CPGA	ALPHA-X	160	80	79	0	
														500	79	0	
			PAL22V10G-10LMB	9433	219409759	PLD	UNI. PAL	BICMOS-SP3	BiCMOS	CA	LCC	ALPHA-X	28	80	44	0	
														184	158	0	1 EOS
														500	123	0	
			PALC22V10-40JC	9516	12955(SWR)	PLD	CMOS PAL	FAMOS-P13	CMOS	TX	PLCC	PHIL-M	28	168	45	0	
					12956(SWR)	PLD	CMOS PAL	FAMOS-P13	CMOS	TX	PLCC	PHIL-M	28	184	45	0	
			PALC22V10B-15PC	9504	349501060	PLD	CMOS PAL	FAMOS-P20D	CMOS	TX	PLCC	INDNS-O	24	48	503	0	
														80	119	0	
			PALC22V10D-10JC	9536	3495158508	PLD	CMOS PAL	FLASH-FL24D	CMOS	TX	PLCC	KOREA-A	28	48	1244	0	2 EOS
														80	117	0	
														500	117	0	
				9538	349520602B	PLD	CMOS PAL	FLASH-FL24D	CMOS	TX	PLCC	KOREA-A	28	48	505	0	
														80	117	0	
														500	117	0	
														1000	117	0	
			PALC22V10D-10PC	9443	349413168	PLD	CMOS PAL	FLASH-FL22D	CMOS	FR	PDIP	INDNS-O	24	48	75	0	
														48	118	0	1 EOS
														48	331	0	3 EOS
														80	118	0	
														500	118	0	
				9444	349413496	PLD	CMOS PAL	FLASH-FL22D	CMOS	FR	PDIP	INDNS-O	24	48	119	0	
														48	332	0	2 EOS
														80	119	0	
														500	119	0	
				9445	349414067	PLD	CMOS PAL	FLASH-FL22D	CMOS	FR	PDIP	INDNS-O	24	48	73	0	2 EOS
				9506	349501766	PLD	CMOS PAL	FLASH-FL22D	CMOS	FR	PDIP	INDNS-O	24	48	333	0	1 EOS



																48	336	0	7	EOS
																80	118	0	1	EOS
																500	116	0	2	EOS
				9512	349504821	PLD	CMOS	PAL	FLASH-FL22D	CMOS	CA	PDIP	INDNS-O	24	48	75	0			
				9539	591500237	PLD	CMOS	PAL	FLASH-FL24D	CMOS	TX	PDIP	INDNS-O	24	48	513	0			
																80	139	0		
																500	139	0		
				9542	519501118	PLD	CMOS	PAL	FLASH-FL24D	CMOS	TX	PDIP	INDNS-O	24	48	340	0			
				9448	349415144	PLD	CMOS	PAL	FLASH-FL22D	CMOS	CA	PDIP	INDNS-O	20	48	467	0			
																80	126	0		

CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Func- tion	Descr Description	Technology	Pro- cess	Wfr Loc	Pkg type	Assy Loc	No# Pin	Dura tion	Qty Test	Qty Fail	Fail Mode
PLD	HTOL	150C/5.75V	PALCE16V8-25PC	9448	349415144	PLD	CMOS PAL	FLASH-FL22D	CMOS	CA	PDIP	INDNS-O	20	500	126	0	
			PALCE20V8-25JC	9531	349515484	PLD	CMOS PAL	FLASH-FL22D	CMOS	CA	PLCC	KOREA-A	28	48	507	0	
														80	117	0	
														500	234	0	
			PALCE20V8-25PC	9528	349514098	PLD	CMOS PAL	FLASH-FL22D	CMOS	CA	PDIP	INDNS-O	24	48	527	0	
														80	131	0	
														500	131	0	
	HTOL2	125C/5.75V	CY7C341-30JC	9435	349410292	PLD	192 MCELL	FAMOS-P20DHL	CMOS	TX	PLCC	KOREA-A	84	96	116	0	
														500	116	0	
														1000	116	0	
														2000	116	0	
			CY7C342-25JC	9440	349411583	PLD	128 MCELL	FAMOS-P20DHL	CMOS	TX	PLCC	KOREA-A	68	70	412	0	1 EOS
														70	500	1	UNKNOWN
														168	120	0	
														725	120	0	
			CY7C342-40JC	9523	349510034	PLD	128 MCELL	FAMOS-P20DHL	CMOS	TX	PLCC	KOREA-A	68	24	455	0	
					349510035	PLD	128 MCELL	FAMOS-P20DHL	CMOS	TX	PLCC	KOREA-A	68	24	471	0	1 EOS
				9525	349511321	PLD	128 MCELL	FAMOS-P20DHL	CMOS	TX	PLCC	KOREA-A	68	24	472	0	1 EOS
				9521	349509096	PLD	128 MCELL	FAMOS-P20DHL	CMOS	TX	PLCC	KOREA-A	68	96	119	0	
														500	119	0	
														1000	119	0	
														2000	119	0	
			CY7C374-100JC	9419	49405073	PLD	128 MCEL FL	FLASH-FL22D	CMOS	CA	PLCC	KOREA-A	84	168	154	0	
														1000	154	1	FAB DEFECT
														1500	152	0	
														2000	152	0	
				49405074		PLD	128 MCEL FL	FLASH-FL22D	CMOS	CA	PLCC	KOREA-A	84	168	115	0	
														1000	78	0	1 EOS
														2000	78	0	
			CY7C375-100AC	9427	49407720	PLD	128 MCEL FL	FLASH-FL22D	CMOS	CA	TQFP	KOREA-A	160	168	140	0	
														1078	131	1	1 PARTICLE/1 EOS
														1617	123	0	39 EOS
				9512	349503634	PLD	128 MCEL FL	FLASH-FL22D	CMOS	CA	TQFP	KOREA-Q	160	168	154	0	
														500	153	0	
														1000	142	0	
			PAL22V10G-10JC	9410	49402500	PLD	UNI. PAL	BICMOS-SP3	BiCMOS	CA	PLCC	KOREA-A	28	168	197	0	
														947	188	0	9 EOS
														1000	183	0	5 EOS
														2000	168	0	15 EOS
				9411	49402681	PLD	UNI. PAL	BICMOS-SP3	BiCMOS	CA	PLCC	KOREA-A	28	168	392	0	
														350	392	0	
														1000	390	0	
														1157	390	0	
				49402955		PLD	UNI. PAL	BICMOS-SP3	BiCMOS	CA	PLCC	KOREA-A	28	168	392	0	
														500	374	0	14 EOS
														1000	323	0	51 EOS
				9417	49404392	PLD	UNI. PAL	BICMOS-SP3	BiCMOS	CA	PLCC	KOREA-A	28	168	118	0	



CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Func- tion	Descr Description	Technology	Pro- cess	Wfr Loc	Pkg type	Assy Loc	No# Pin	Dura tion	Qty Test	Qty Fail	Fail Mode
PLD	HTOL2	125C/5.75V	PAL22V10G-10JC	9417	49404392	PLD	UNI. PAL	BICMOS-SP3	BiCMOS	CA	PLCC	KOREA-A	28	500	118	0	
					49404394	PLD	UNI. PAL	BICMOS-SP3	BiCMOS	CA	PLCC	KOREA-A	28	168	118	0	
			PALC22V10D-10PC	9443	349413168	PLD	CMOS PAL	FLASH-FL22D	CMOS	FR	PDIP	INDNS-O	24	500	118	0	
														12	517	0	8 EOS
														48	517	0	
														80	116	0	4 EOS
														500	115	0	1 EOS
														48	516	0	1 EOS
	HTS	165C/NO BIAS	PALCE16V8-25PC	9501	349416410	PLD	CMOS PAL	FLASH-FL22D	CMOS	CA	PDIP	INDNS-O	20	48	516	0	
			CY7C375-100AC	9424	49406783	PLD	128 MCEL FL	FLASH-FL22D	CMOS	CA	TQFP	KOREA-A	160	336	18	0	
														500	18	0	
														1000	17	0	
			CY7C388A-2NC	9512	1445679	FPGA	8K GATE	FAMOS-VL26D	CMOS	CA	PQFP	KOREA-A	208	336	45	0	
			PALC22V10D-10JC	9536	3495158508	PLD	CMOS PAL	FLASH-FL24D	CMOS	TX	PLCC	KOREA-A	28	336	48	0	
														500	48	0	
														1000	48	0	
				9538	349520602B	PLD	CMOS PAL	FLASH-FL24D	CMOS	TX	PLCC	KOREA-A	28	336	46	0	
														500	46	0	
														1000	46	0	
	HTSSL	150C/5.50V	CY7C388A-2NC	9521	1509257	FPGA	8K GATE	FAMOS-VL26D	CMOS	CA	PQFP	KOREA-A	208	138	44	0	
														168	44	0	
		150C/5.75V	CY7C342-25JC	9440	349411583	PLD	128 MCELL	FAMOS-P20DHL	CMOS	TX	PLCC	KOREA-A	68	80	76	0	
														168	76	0	
			CY7C388A-2NC	9529	1452956	FPGA	8K GATE	FAMOS-VL26D	CMOS	CA	PQFP	KOREA-A	208	168	32	0	
			PALC22V10-40JC	9516	12955(SWR)	PLD	CMOS PAL	FAMOS-P13	CMOS	TX	PLCC	PHIL-M	28	80	77	0	
					12956(SWR)	PLD	CMOS PAL	FAMOS-P13	CMOS	TX	PLCC	PHIL-M	28	80	77	0	
														168	78	0	
			PALC22V10B-15PC	9504	349501060	PLD	CMOS PAL	FAMOS-P20D	CMOS	TX	PLCC	INDNS-O	24	80	50	0	1 EOS
														168	49	0	1 EOS
			PALC22V10D-10JC	9536	3495158508	PLD	CMOS PAL	FLASH-FL24D	CMOS	TX	PLCC	KOREA-A	28	80	78	1	1 BROKEN BOND
														168	77	0	
				9538	349520602B	PLD	CMOS PAL	FLASH-FL24D	CMOS	TX	PLCC	KOREA-A	28	80	78	0	
														168	78	0	
			PALC22V10D-10PC	9443	349413168	PLD	CMOS PAL	FLASH-FL22D	CMOS	FR	PDIP	INDNS-O	24	80	84	0	1 EOS
														168	82	0	2 EOS
														80	85	0	
														168	85	0	
														80	85	0	
														168	85	0	
				9506	349501766	PLD	CMOS PAL	FLASH-FL22D	CMOS	FR	PDIP	INDNS-O	24	80	83	0	
														168	83	0	
				9539	591500237	PLD	CMOS PAL	FLASH-FL24D	CMOS	TX	PDIP	INDNS-O	24	80	78	0	
														168	78	0	
			PALCE16V8-25PC	9448	349415144	PLD	CMOS PAL	FLASH-FL22D	CMOS	CA	PDIP	INDNS-O	20	80	80	0	
														168	80	0	
			PALCE20V8-25JC	9531	349515484	PLD	CMOS PAL	FLASH-FL22D	CMOS	CA	PLCC	KOREA-A	28	80	130	1	1 PARTICLE
														168	129	0	

CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Func- tion	Descr Description	Technology	Pro- cess	Wfr Loc	Pkg type	Assy Loc	No# Pin	Dura tion	Qty Test	Qty Fail	Fail Mode
PLD	HTSSL	150C/5.75V	PALCE20V8-25PC	9528	349514098	PLD	CMOS PAL	FLASH-FL22D	CMOS	CA	PDIP	INDNS-O	24	80	80	0	
														168	80	0	
	HTSSL2	125C/5.75V	CY7C341-30JC	9435	349410292	PLD	192 MCELL	FAMOS-P20DHL	CMOS	TX	PLCC	KOREA-A	84	96	116	0	
														500	116	0	



LTOL	-45C/6.5V	CY7C342B-25JC	NA	ALTERA	PLD	128	MCELL	FAMOS-P26	CMOS	TX	PLCC	KOREA-A	68	1000	116	0																
														2000	116	0																
														168	77	0																
														500	77	0																
		CY7C374-100JC	9419	49405073	PLD	128	MCEL	FL	FLASH-FL22D	CMOS	CA	PLCC	KOREA-A	84	168	78	0															
															336	78	0															
															PLD										168	79	0					
																									336	76	0					
			9428	49408152	PLD	128	MCEL	FL	FLASH-FL22D	CMOS	CA	PLCC	KOREA-A	84	217	60	0															
															433	60	0															
																9523	349510045		PLD	128	MCEL	FL	FLASH-FL22D	CMOS	CA	PLCC	KOREA-A	84	168	79	0	
																													336	79	0	
		PAL22V10G-10JC	9410	49402500	PLD	UNI.	PAL	BICMOS-SP3	BiCMOS	CA	PLCC	KOREA-A	28	168	131	0																
														336	131	0																
															9411	49402681		PLD	UNI.	PAL	BICMOS-SP3	BiCMOS	CA	PLCC	KOREA-A	28	168	131	0			
																		49402955									PLD	UNI.	PAL		BICMOS-SP3	BiCMOS
		PAL22V10G-10LMB	9433	219409759	PLD	UNI.	PAL	BICMOS-SP3	BiCMOS	CA	LCC	ALPHA-X	28	336	131	0																
														168	78	0																
														CY7C388A-2NC	9521	1509257		FPGA	8K	GATE	FAMOS-VL26D	CMOS	CA	PQFP	KOREA-A	208	168	47	0			
																											500	47	0			
			9527	1452956	FPGA	8K	GATE	FAMOS-VL26D	CMOS	CA	PQFP	KOREA-A	208	1000	47	0																
														168	50	0																
																1507188		FPGA	8K	GATE	FAMOS-VL26D	CMOS	CA	PQFP	KOREA-A	208	500	50	0			
																											1000	50	0			
		PCT	121C/100%RH	PALC22V10D-10JC	9529	1515408	FPGA	8K	GATE	FAMOS-VL26D	CMOS	CA	PQFP	KOREA-A	208	168	47	0	3 EOS													
																644	46	0														
																	9538	349520602B	PLD	CMOS	PAL	FLASH-FL24D	CMOS	TX	PLCC	KOREA-A	28	1000	45	0	1 EOS	
																												168	52	0		
CY7C342-25JC	9440			349411583	PLD	128	MCELL	FAMOS-P20DHL	CMOS	TX	PLCC	KOREA-A	68	1000	48	0																
														168	45	0																
CY7C342B-25JC	NA			ALTERA	PLD	128	MCELL	FAMOS-P26	CMOS	TX	PLCC	KOREA-A	68	288	45	0																
														96	77	0																
CY7C374-100JC	9419			49405074	PLD	128	MCEL	FL	FLASH-FL22D	CMOS	CA	PLCC	KOREA-A	84	168	16	0															
															288	16	0															
	9420			49405479	PLD	128	MCEL	FL	FLASH-FL22D	CMOS	CA	PLCC	KOREA-A	84	168	32	0															
															288	32	0															
		49405480	PLD	128	MCEL	FL	FLASH-FL22D	CMOS	CA	PLCC	KOREA-A	84	168	48	0																	
													288	48	0																	
CY7C375-100AC	9424	49406781	PLD	128	MCEL	FL	FLASH-FL22D	CMOS	CA	TQFP	KOREA-A	160	168	48	0																	
													288	48	0																	

CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Function	Descr Description	Technology	Process	Wfr Loc	Pkg type	Assy Loc	No# Pin	Duration	Qty Test	Qty Fail	Fail Mode			
PLD	PCT	121C/100%RH	CY7C375-100AC	9443	349412808	PLD	128 MCEL FL	FLASH-FL22D	CMOS	CA	TQFP	KOREA-Q	160	168	48	0				
			CY7C388A-2NC	9503	1445679	FPGA	8K GATE	FAMOS-VL26D	CMOS	CA	PQFP	KOREA-A	208	168	30	0				
				9510	1452955	FPGA	8K GATE	FAMOS-VL26D	CMOS	CA	PQFP	KOREA-A	208	168	30	0				
				9515	1452956	FPGA	8K GATE	FAMOS-VL26D	CMOS	CA	PQFP	KOREA-A	208	168	30	0				
			PAL22V10G-10JC	9410	49402500	PLD	UNI. PAL	BICMOS-SP3	BiCMOS	CA	PLCC	KOREA-A	28	168	45	0				
				9411	49402681	PLD	UNI. PAL	BICMOS-SP3	BiCMOS	CA	PLCC	KOREA-A	28	168	47	0				
			PALC22V10-40JC	9516	12955(SWR)	PLD	CMOS PAL	FAMOS-P13	CMOS	TX	PLCC	PHIL-M	28	168	45	0				
					12956(SWR)	PLD	CMOS PAL	FAMOS-P13	CMOS	TX	PLCC	PHIL-M	28	168	45	0				
			PALC22V10B-15PC	9504	349501060	PLD	CMOS PAL	FAMOS-P20D	CMOS	TX	PLCC	INDNS-O	24	168	51	0				
														288	51	0				
			PALC22V10D-10JC	9536	3495158508	PLD	CMOS PAL	FLASH-FL24D	CMOS	TX	PLCC	KOREA-A	28	168	50	0				
														288	50	0				
				9538				349520602B	PLD	CMOS PAL	FLASH-FL24D	CMOS	TX	PLCC	KOREA-A	28	168	46	0	
																288	46	0		



**CYPRESS
SEMICONDUCTOR
PRODUCT RELIABILITY**

T/S	-55C TO 150C	PALC22V10D-10PC	9443	349413168	PLD	CMOS PAL	FLASH-FL22D	CMOS	FR	PDIP	INDNS-O	24	168	51	0	
													288	51	0	
			9444	349413496	PLD	CMOS PAL	FLASH-FL22D	CMOS	FR	PDIP	INDNS-O	24	168	51	0	
													288	51	0	
		PALCE20V8-25JC	9531	349515484	PLD	CMOS PAL	FLASH-FL22D	CMOS	CA	PLCC	KOREA-A	28	168	52	0	
													288	52	0	
		PALCE20V8-25PC	9528	349514098	PLD	CMOS PAL	FLASH-FL22D	CMOS	CA	PDIP	INDNS-O	24	168	49	0	
													288	49	0	
		CY7C375-100AC	9424	49406781/7	PLD	128 MCEL	FL FLASH-FL22D	CMOS	CA	TQFP	KOREA-A	160	100	49	0	
													200	47	0	
TC	-40C TO 125C	CY7C388A-2NC	9521	1509257	FPGA	8K GATE	FAMOS-VL26D	CMOS	CA	PQFP	KOREA-A	208	100	45	0	
													200	45	0	
		CY7C342-25JC	9440	349411584	PLD	128 MCELL	FAMOS-P20DHL	CMOS	TX	PLCC	KOREA-A	68	500	76	0	3 ESD
													1000	73	0	1 ESD
													1500	72	0	
		CY7C374-100AC	9505	349415643	PLD	128 MCEL	FL FLASH-FL22D	CMOS	CA	TQFP	KOREA-Q	100	500	48	0	
													1000	48	0	
													1500	48	0	
		CY7C374-100JC	9419	49405073	PLD	128 MCEL	FL FLASH-FL22D	CMOS	CA	PLCC	KOREA-A	84	100	48	1	BROKEN BOND @ POST
													400	47	0	
													500	47	0	
													1000	46	1	BROKEN BOND @ POST
													1500	45	0	
			9428	49408147	PLD	128 MCEL	FL FLASH-FL22D	CMOS	CA	PLCC	KOREA-A	84	100	47	0	
													500	47	0	
													1000	47	0	
													1500	47	0	
			49408148	PLD	128 MCEL	FL FLASH-FL22D	CMOS	CA	PLCC	KOREA-A	84	100	48	0		
													500	48	0	
													1000	48	0	
													1500	48	0	
			49408149	PLD	128 MCEL	FL FLASH-FL22D	CMOS	CA	PLCC	KOREA-A	84	300	45	0		

CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Function	Descr Description	Technology	Process	Wfr Loc	Pkg type	Assy Loc	No# Pin	Dura tion	Qty Test	Qty Fail	Fail Mode
PLD	TC	-40C TO 125C	CY7C374-100JC	9428	49408149	PLD	128 MCEL FL FLASH-FL22D	CMOS	CA	PLCC	KOREA-A		84	500	45	0	
														1000	45	0	
														1500	45	0	
			CY7C375-100AC	9421	49405621	PLD	128 MCEL FL FLASH-FL22D	CMOS	CA	TQFP	KOREA-A	160	500	49	0		
														1000	49	0	
														1500	49	0	
				9443	349412808	PLD	128 MCEL FL FLASH-FL22D	CMOS	CA	TQFP	KOREA-Q	160	500	49	0		
														1000	49	0	
														1500	49	0	
TC2	-65C TO 150C	CY7C341-30HC	9425	49407029	PLD	192 MCELL	FAMOS-P20DHL	CMOS	TX	WHLC	PHIL-M	84	1000	49	0		
		CY7C342-25JC	9440	349411583	PLD	128 MCELL	FAMOS-P20DHL	CMOS	TX	PLCC	KOREA-A	68	300	76	0		
														500	76	0	
														1000	76	0	
														2000	76	0	
		CY7C342-40HC	9515	349507933	PLD	128 MCELL	FAMOS-P20DHL	CMOS	TX	WHLC	PHIL-M	68	300	49	0		
														1000	49	0	
		CY7C342-40JC	9521	349509096	PLD	128 MCELL	FAMOS-P20DHL	CMOS	TX	PLCC	KOREA-A	68	300	50	27	27 TOPSIDE CRACKS	
		CY7C342B-25JC	NA	ALTERA	PLD	128 MCELL	FAMOS-P26	CMOS	TX	PLCC	KOREA-A	68	300	47	0		
														500	77	0	
														1000	77	0	
		CY7C342B-35HC	9450	349415065	PLD	128 MCELL	FAMOS-P26	CMOS	TX	WHLC	PHIL-M	68	300	50	0		
														1000	50	0	
		CY7C344-25PC	9517	349506849	PLD	32 MCELL	FAMOS-P20DHL	CMOS	TX	PDIP	INDNS-O	28	300	50	0		
														1000	50	0	
		CY7C374-100GC	9521	219507329	PLD	128 MCEL	FL FLASH-FL22D	CMOS	CA	CPGA	ALPHA-X	84	100	48	0		
														1000	48	0	



CY7C374-100JC	9420	49405480	PLD	128 MCEL	FL	FLASH-FL22D	CMOS	CA	PLCC	KOREA-A	84	300	47	0
CY7C374-100YC	9443	49409172	PLD	128 MCEL	FL	FLASH-FL22D	CMOS	CA	HLCC	PHIL-M	84	100	49	0
												1000	47	0
CY7C387A-2AC	9529	349514788	FPGA	8K GATE		FAMOS-VL26D	CMOS	CA	TQFP	KOREA-Q	144	300	45	0
CY7C388A-2NC	9503	1445679	FPGA	8K GATE		FAMOS-VL26D	CMOS	CA	PQFP	KOREA-A	208	300	45	0
												1000	45	0
	9510	1452955	FPGA	8K GATE		FAMOS-VL26D	CMOS	CA	PQFP	KOREA-A	208	300	30	0
	9515	1452956	FPGA	8K GATE		FAMOS-VL26D	CMOS	CA	PQFP	KOREA-A	208	300	15	0
												1000	15	0
	9529	1515408	FPGA	8K GATE		FAMOS-VL26D	CMOS	CA	PQFP	KOREA-A	208	300	45	0
PAL22V10G-10JC	9410	49402500	PLD	UNI. PAL		BICMOS-SP3	BiCMOS	CA	PLCC	KOREA-A	28	300	47	0
												1000	47	0
	9411	49402681	PLD	UNI. PAL		BICMOS-SP3	BiCMOS	CA	PLCC	KOREA-A	28	300	45	0
												1000	45	0
		49402955	PLD	UNI. PAL		BICMOS-SP3	BiCMOS	CA	PLCC	KOREA-A	28	300	47	0
PAL22V10G-10LMB	9433	219409759	PLD	UNI. PAL		BICMOS-SP3	BiCMOS	CA	LCC	ALPHA-X	28	100	47	0
												1000	47	0
PALC22V10-40JI	9514	349504808	PLD	CMOS PAL		FAMOS-P13	CMOS	TX	PLCC	KOREA-H	28	300	49	0
												1000	49	0
PALC22V10B-15PC	9504	349501060	PLD	CMOS PAL		FAMOS-P20D	CMOS	TX	PLCC	INDNS-O	24	300	51	0
												1000	51	0

CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Func- tion	Descr Description	Technology	Pro- cess	Wfr Loc	Pkg type	Assy Loc	No# Pin	Dura tion	Qty Test	Qty Fail	Fail Mode
PLD	TC2	-65C TO 150C	PALC22V10D-10JC	9536	3495158508	PLD	CMOS PAL	FLASH-FL24D	CMOS	TX	PLCC	KOREA-A	28	300	48	0	
				9538	349520602B	PLD	CMOS PAL	FLASH-FL24D	CMOS	TX	PLCC	KOREA-A	28	300	46	0	
														500	46	0	
														1000	46	0	
			PALC22V10D-10PC	9443	349413168	PLD	CMOS PAL	FLASH-FL22D	CMOS	FR	PDIP	INDNS-O	24	300	51	0	
														1000	51	0	
				9444	349413496	PLD	CMOS PAL	FLASH-FL22D	CMOS	FR	PDIP	INDNS-O	24	300	51	0	
														1000	51	0	
				9445	349414067	PLD	CMOS PAL	FLASH-FL22D	CMOS	FR	PDIP	INDNS-O	24	300	51	0	
														1000	51	0	
				9506	349501766	PLD	CMOS PAL	FLASH-FL22D	CMOS	FR	PDIP	INDNS-O	24	300	45	0	
														1000	45	0	
				9539	591500237	PLD	CMOS PAL	FLASH-FL24D	CMOS	TX	PDIP	INDNS-O	24	300	48	0	
														1000	48	0	
				9542	519501118	PLD	CMOS PAL	FLASH-FL24D	CMOS	TX	PDIP	INDNS-O	24	300	48	0	
														1000	48	0	
			PALCE16V8-25OC	9449	349413684	PLD	CMOS PAL	FLASH-FL22D	CMOS	CA	QSOP	MALAY-U	20	300	50	0	
														1000	50	0	
			PALCE20V8-25JC	9531	349515484	PLD	CMOS PAL	FLASH-FL22D	CMOS	CA	PLCC	KOREA-A	28	300	51	0	
			PALCE20V8-25PC	9528	349514098	PLD	CMOS PAL	FLASH-FL22D	CMOS	CA	PDIP	INDNS-O	24	300	48	0	
														1000	48	0	
	TEV	0 READ POINT	CY7C342-40JC	9521	349509096	PLD	128 MCELL	FAMOS-P20DHL	CMOS	TX	PLCC	KOREA-A	68	-5	119	0	
														25	120	0	
														85	119	0	
			CY7C371-100JC	9535	349518118	PLD	32 MCELL FL	FLASH-FL22D	CMOS	CA	PLCC	KOREA-A	44	-5	80	0	
														25	80	0	
														85	80	0	



CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Function	Description	Technology	Process	Wfr Loc	Pkg type	Assy Loc	No# Pin	Duration	Qty Test	Qty Fail	Fail Mode
PROM	DRET	165C/NO BIAS	CY27H010-45PC	9503	349500299	PROM	128K x 8	FAMOS-P26	CMOS	TX	PDIP	KOREA-H	32	168	76	0	
														552	76	0	
	DRET2	250C/NO BIAS	CY27H010-45WC	9446	219414073	PROM	128K x 8	FAMOS-P26	CMOS	TX	WDIP	ALPHA-X	32	96	76	0	
														168	76	0	
				9447	219414274	PROM	128K x 8	FAMOS-P26	CMOS	TX	WDIP	ALPHA-X	32	168	76	0	
					219414421	PROM	128K x 8	FAMOS-P26	CMOS	TX	WDIP	ALPHA-X	32	96	76	0	
														168	76	0	
	GRP-C	150 deg/5.75V	CY27H010-45WMB	9507	219502193	PROM	128K x 8	FAMOS-P26	CMOS	TX	WDIP	ALPHA-X	32	184	50	0	
			CY7C258-15WMB	9428	219408025	PROM	2K x 16	FAMOS-P20	CMOS	TX	WDIP	ALPHA-X	28	184	79	1	UNKNOWN
	HAST	140C/5.5V	CY27H010-45PC	9503	349500299	PROM	128K x 8	FAMOS-P26	CMOS	TX	PDIP	KOREA-H	32	128	45	0	
			CY7C264-45PC	9437	349411037	PROM	8K x 8	FAMOS-P20D	CMOS	TX	PDIP	INDNS-O	24	128	48	0	
														256	48	0	
				9438	349411589	PROM	8K x 8	FAMOS-P20D	CMOS	TX	PDIP	INDNS-O	24	128	49	0	
														256	49	0	
	HTOL	150C/5.75V	CY27H010-45PC	9503	349500299	PROM	128K x 8	FAMOS-P26	CMOS	TX	PDIP	KOREA-H	32	48	334	0	
														80	116	0	
														500	116	0	
			CY27H010-45WC	9446	219414073	PROM	128K x 8	FAMOS-P26	CMOS	TX	WDIP	ALPHA-X	32	48	334	0	
														80	116	0	
														500	116	0	
				9447	219414274	PROM	128K x 8	FAMOS-P26	CMOS	TX	WDIP	ALPHA-X	32	48	334	0	
														80	116	0	
					219414421	PROM	128K x 8	FAMOS-P26	CMOS	TX	WDIP	ALPHA-X	32	48	334	0	
														80	116	0	
														500	116	0	
			CY7C264-45PC	9437	349411037	PROM	8K x 8	FAMOS-P20D	CMOS	TX	PDIP	INDNS-O	24	48	552	0	
														500	120	0	
				9438	349411589	PROM	8K x 8	FAMOS-P20D	CMOS	TX	PDIP	INDNS-O	24	48	544	0	
														80	128	0	2 EOS
														500	126	0	
			CY7C264-55WMB	9514	219505060	PROM	8K x 8	FAMOS-P20D	CMOS	TX	WDIP	ALPHA-X	24	184	50	0	
	HTSSL	150C/5.75V	CY27H010-45PC	9503	349500299	PROM	128K x 8	FAMOS-P26	CMOS	TX	PDIP	KOREA-H	32	80	76	0	
														168	76	0	
			CY27H010-45WC	9446	219414073	PROM	128K x 8	FAMOS-P26	CMOS	TX	WDIP	ALPHA-X	32	80	76	0	
														168	76	0	
				9447	219414274	PROM	128K x 8	FAMOS-P26	CMOS	TX	WDIP	ALPHA-X	32	80	76	0	
														168	76	0	
					219414421	PROM	128K x 8	FAMOS-P26	CMOS	TX	WDIP	ALPHA-X	32	80	76	0	
														168	76	0	
			CY7C264-45PC	9437	349411037	PROM	8K x 8	FAMOS-P20D	CMOS	TX	PDIP	INDNS-O	24	80	76	0	
														168	76	0	
				9438	349411589	PROM	8K x 8	FAMOS-P20D	CMOS	TX	PDIP	INDNS-O	24	168	80	0	
PCT	121C/100%RH		CY27H010-45PC	9503	349500299	PROM	128K x 8	FAMOS-P26	CMOS	TX	PDIP	KOREA-H	32	168	45	0	
TC2	-65C TO 150C		CY27H010-45PC	9503	349500299	PROM	128K x 8	FAMOS-P26	CMOS	TX	PDIP	KOREA-H	32	300	45	0	
			CY27H010-45WC	9446	219414073	PROM	128K x 8	FAMOS-P26	CMOS	TX	WDIP	ALPHA-X	32	100	45	0	
														1000	45	0	



CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Func- tion	Descr Description	Technology	Pro- cess	Wfr Loc	Pkg type	Assy Loc	No# Pin	Dura tion	Qty Test	Qty Fail	Fail Mode
PROM	TC2	-65C TO 150C	CY27H010-45WC	9447	219414274	PROM	128K x 8	FAMOS-P26	CMOS	TX	WDIP	ALPHA-X	32	100	45	0	
					219414421	PROM	128K x 8	FAMOS-P26	CMOS	TX	WDIP	ALPHA-X	32	1000	45	0	
			CY7C264-45PC	9437	349411037	PROM	8K x 8	FAMOS-P20D	CMOS	TX	PDIP	INDNS-O	24	300	76	0	
														1000	76	0	
														300	80	0	
			CY7C271-55WC	9516	219505577	PROM	32K x 8	FAMOS-P23	CMOS	TX	WDIP	ALPHA-X	28	1000	80	0	
														300	80	0	
														1000	50	0	
			CY7C291A-35WC	9432	219409359	PROM	2K x 8	FAMOS-P20	CMOS	TX	WDIP	ALPHA-X	24	100	45	0	
														1000	45	0	

CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Func- tion	Descr Description	Technology	Pro- cess	Wfr Loc	Pkg type	Assy Loc	No# Pin	Dura tion	Qty Test	Qty Fail	Fail Mode
SRAM	HAST	140C/3.8V	CY7C1399-35VC	9531	219511102	SRAM	32K x 8	SRAM/LOGIC-R3	CMOS	CA	SOJ	ALPHA-X	28	128	45	0	
				9541	219515206	SRAM	32K x 8	SRAM/LOGIC-R3	CMOS	CA	SOJ	ALPHA-X	28	128	45	0	
		140C/5.5V	CY10E484-5JC	9435	349410458	SRAM	4K x 4	BICMOS-SM1	ECL	TX	PLCC	KOREA-A	28	128	50	0	
				9521	12958 (SWR)	SRAM	CACHE	BICMOS-SM2	BiCMOS	TX	PQFP	PHIL-M	80	128	45	0	



**CYPRESS
SEMICONDUCTOR
PRODUCT RELIABILITY**

		12959 (SWR)	SRAM	CACHE	BICMOS-SM2	BICMOS	TX	PQFP	PHIL-M	80	128	50	0	
CY7C1031-12JC	9507	349502771	SRAM	64K x 18	SRAM/LOGIC-R3	CMOS	CA	PLCC	KOREA-A	52	128	45	0	
	9510	349503511	SRAM	64K x 18	SRAM/LOGIC-R3	CMOS	CA	PLCC	KOREA-A	52	128	45	0	
	9521	349508433	SRAM	64K x 18	SRAM/LOGIC-R3	CMOS	CA	PLCC	KOREA-A	52	128	45	0	
CY7C109-25VC	9435	349409671	SRAM	128K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	KOREA-L	32	128	46	0	
	9442	349412320	SRAM	128K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	KOREA-L	32	128	46	0	
	9501	349416267	SRAM	128K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	KOREA-L	32	128	80	3	OPEN AREA CRACKS
CY7C109A-25VC	9508	349500889	SRAM	128K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	KOREA-L	32	128	76	0	
CY7C109A-35PC	N/A	3429761	SRAM	128K x 8	SRAM/LOGIC-R25	CMOS	MN	PDIP	KOREA-A	32	128	48	0	
		3429773	SRAM	128K x 8	SRAM/LOGIC-R25	CMOS	MN	PDIP	KOREA-A	32	128	45	0	
											256	45	0	
		3430896	SRAM	128K x 8	SRAM/LOGIC-R25	CMOS	MN	PDIP	KOREA-A	32	128	45	0	
											256	45	0	
CY7C109A-35VC	9528	349512520	SRAM	128K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	KOREA-L	32	128	68	0	
CY7C178-12JC	9524	349511092	SRAM	32K x 18	SRAM/LOGIC-R28	CMOS	MN	PLCC	KOREA-A	52	128	47	0	
	9525	349512212	SRAM	32K x 18	SRAM/LOGIC-R28	CMOS	MN	PLCC	KOREA-A	52	128	96	0	
CY7C185-35SC	N/A	2444364	SRAM	8K x 8	SRAM/LOGIC-R21	CMOS	TX	SOIC	KOREA-A	28	128	50	0	
CY7C185-35VC	9532	219511700	SRAM	SML/64K	SRAM/LOGIC-R28	CMOS	MN	SOJ	ALPHA-X	28	128	54	0	
CY7C188-25VC	9529	349514205	SRAM	256K/R2	SRAM/LOGIC-R21	CMOS	TX	SOJ	KOREA-L	32	128	46	0	
	9539	349521492	SRAM	256K/R2	SRAM/LOGIC-R21	CMOS	TX	SOJ	KOREA-L	32	128	24	0	
CY7C199-12PC	9443	349412994	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	PDIP	INDNS-O	28	128	45	0	
	9501	349416480	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	PDIP	INDNS-O	28	128	45	0	
		349416521	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	PDIP	INDNS-O	28	128	45	0	
CY7C199-12VC	9422	219405800	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	ALPHA-Y	28	128	47	3	OXIDE DEFECT
											128	50	0	
	9425	219406902	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	ALPHA-Y	28	128	54	0	
	9434	349410144	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	INDNS-O	28	128	52	0	
	9443	349413345	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	INDNS-O	28	128	45	0	
	9452	349416327	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	INDNS-O	28	128	80	0	
CY7C199-15PC	9506	219501944	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	PDIP	ALPHA-X	28	128	45	0	
		219501947	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	PDIP	ALPHA-X	28	128	45	0	
	N/A	12259 (SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	PDIP	KOREA-A	28	128	45	0	
		12265 (SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	PDIP	KOREA-A	28	128	45	0	
	9541	219515020	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	PDIP	ALPHA-X	28	128	80	0	
CY7C199-15VC	9444	349414005	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-O	28	128	54	0	
	9446	349414597	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-O	28	128	45	0	
	9512	13023 (SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	ALPHA-X	28	128	42	0	3 EOS
		13025 (SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	ALPHA-X	28	128	44	0	1 EOS
	9520	13024 (SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	ALPHA-X	28	128	47	1	1 PARTICLE, 1 EOS
	9520	349508890	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	F4	SOJ	INDNS-O	28	128	54	0	
	9520	13026 (SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	PHIL-M	28	128	50	0	
		13027 (SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	PHIL-M	28	128	48	1	1 POLY DEFECT
		13028 (SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	PHIL-M	28	128	48	1	1 PARTICLE

CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Function	Description	Technology	Process	Wfr Loc	Pkg type	Assy Loc	No# Pin	Dura tion	Qty Test	Qty Fail	Fail Mode
SRAM	HAST	140C/5.5V	CY7C199-15VC	9517	349507034	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-O	28	128	48	0	
					349507035	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-O	28	128	48	0	
					349507036	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-O	28	128	48	0	
				9525	13058 (SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	KOREA-A	28	128	54	0	
					13059 (SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	KOREA-A	28	128	54	0	
					13060 (SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	KOREA-A	28	128	54	0	
				9530	219510849	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	TX	SOJ	ALPHA-Y	28	128	48	0	
					219510850	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	TX	SOJ	ALPHA-Y	28	128	50	0	
					219510852	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	TX	SOJ	ALPHA-Y	28	128	50	0	
				9537	3532176	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-F	28	128	48	0	
				9539	349521304	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-F	28	128	46	0	
				9527	219509711	SRAM	32K x 8	SRAM/LOGIC-R3	CMOS	CA	SOJ	ALPHA-X	28	128	78	1	1 PARTICLE
				9536	349519413	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-O	28	128	80	0	
				9529	349514101	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	PHIL-M	28	128	80	0	
CY7C199-15ZC	N/A	12896 (SWR)	SRAM				32K x 8	SRAM/LOGIC-R28	CMOS	MN	TSOP	KOREA-H	32	128	47	0	



HIGH B	125 deg/6.0V	CY7C199-25VI CY7C199-45PC CY7C199-45VC CY7C199-45VI CY10E484-5DC	9445 N/A 9509 9538 9428	12897 (SWR) 219413816 12263 12264 219501636 349520839 219406900	SRAM SRAM SRAM SRAM SRAM SRAM SRAM	32K x 8 32K x 8 32K x 8 32K x 8 32K x 8 32K x 8 4K x 4	SRAM/LOGIC-R28 SRAM/LOGIC-R21H SRAM/LOGIC-R21H SRAM/LOGIC-R21H SRAM/LOGIC-R21H SRAM/LOGIC-R21 BICMOS-SM1	CMOS CMOS CMOS CMOS CMOS CMOS ECL	MN TX MN MN TX TX TX	TSOP SOJ PDIP PDIP SOJ INDNS-O CDIP	KOREA-H ALPHA-Y KOREA-A KOREA-A ALPHA-X INDNS-O ALPHA-X	32 28 28 28 28 28 28	128 128 128 128 128 128 168	47 80 45 45 79 80 126	0 0 0 0 0 0 0	
HTOL	125 deg/7.0V 150C/5.75V	CY7C199-15VC CY7C1031-12JC CY7C109-25VC CY7C109A-35VC	9444 9506 9435 9442 9516 9517 9532	349414005 349501977 349409671 349412320 349506060 349506066 349506328 349515472	SRAM SRAM SRAM SRAM SRAM SRAM SRAM	32K x 8 64K x 18 128K x 8 128K x 8 128K x 8 128K x 8 128K x 8 128K x 8	SRAM/LOGIC-R28 SRAM/LOGIC-R3 SRAM/LOGIC-R25 SRAM/LOGIC-R25 SRAM/LOGIC-R25 SRAM/LOGIC-R25 SRAM/LOGIC-R25 SRAM/LOGIC-R25	CMOS CMOS CMOS CMOS CMOS CMOS CMOS	MN CA MN MN MN MN MN	SOJ PLCC SOJ SOJ SOJ SOJ SOJ	INDNS-O KOREA-A KOREA-L KOREA-L KOREA-L KOREA-L KOREA-L	28 52 32 32 32 32 32 32	168 80 48 48 48 48 48 48	135 115 50 948 1104 1138 1096	0 0 0 0 0 0 0	1 EOS 1 PARTICLE 1 IONIC CONTAMINATION 2 UNKNOWN 0

CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Function	Description	Technology	Process	Wfr Loc	Pkg type	Assy Loc	No# Pin	Dura tion	Qty Test	Qty Fail	Fail Mode
SRAM	HTOL	150C/5.75V	CY7C109A-35VC	9534	349517503	SRAM	128K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	KOREA-L	32	48	1107	0	
				9538	349513240	SRAM	128K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	KOREA-L	32	48	1095	0	
				9516	349506334	SRAM	32K x 18	SRAM/LOGIC-R28	CMOS	MN	PLCC	KOREA-A	52	48	672	0	
					349506337	SRAM	32K x 18	SRAM/LOGIC-R28	CMOS	MN	PLCC	KOREA-A	52	80	117	0	
			CY7C178-12JC											500	117	0	
														1000	117	0	
				9522	349509888	SRAM	32K x 18	SRAM/LOGIC-R28	CMOS	MN	PLCC	KOREA-A	52	80	108	0	4 EOS
														500	108	0	
														1000	108	0	
														2000	108	0	
			CY7C185-35SC	N/A	2444364	SRAM	8K x 8	SRAM/LOGIC-R21	CMOS	TX	SOIC	KOREA-A	28	48	501	0	
														80	120	0	
														500	118	0	
														48	755	0	
			CY7C185-35VC	9532	219511700	SRAM	SML/64K	SRAM/LOGIC-R28	CMOS	MN	SOJ	ALPHA-X	28	80	270	0	
														500	270	0	
														48	10	0	2 EOS
														48	759	0	
			CY7C188-25VC	9529	349514205	SRAM	256K/R2	SRAM/LOGIC-R21	CMOS	TX	SOJ	KOREA-L	32	80	120	0	
														500	134	0	
														48	749	0	
														28	80	119	0
			CY7C199-12PC	9539 9443	349521492 349412994	SRAM SRAM	256K/R2 32K x 8	SRAM/LOGIC-R21 SRAM/LOGIC-R25	CMOS CMOS	TX MN	SOJ PDIP	KOREA-L INDNS-O	32 28	48 80	749 119	0 0	



CY7C199-12VC	9501	349416480	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	PDIP	INDNS-O	28	500	118	0	
											80	120	0	
		349416521	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	PDIP	INDNS-O	28	500	120	0	
											80	120	0	
											500	120	0	
	9422	219405800	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	ALPHA-Y	28	48	352	2	
											80	120	4	
											80	135	0	
											500	116	1	
											500	135	0	
CY7C199-15PC	9434	349410144	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	INDNS-O	28	48	351	0	2 OXIDE DEF. 4 OXIDE DEFECT 1 PARTICLE
											80	134	0	
											500	134	0	
	9443	349413345	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	INDNS-O	28	48	332	0	
											80	135	0	
											500	135	0	
	9449	349415285	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	PDIP	INDNS-O	28	48	298	0	
											80	116	0	
											500	116	0	
	N/A	12259(SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	PDIP	KOREA-A	28	48	565	0	
											80	120	0	

CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Function	Description	Technology	Process	Wfr Loc	Pkg type	Assy Loc	No# Pin	Dura tion	Qty Test	Qty Fail	Fail Mode
SRAM	HTOL	150C/5.75V	CY7C199-15PC	N/A	12259(SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	PDIP	KOREA-A	28	500	120	0	
					3447347	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	PDIP	KOREA-A	28	48	565	0	
														80	120	0	
														500	120	0	
				9533	219511651	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	TX	PDIP	ALPHA-X	28	48	897	0	
														80	118	0	
														390	118	0	
			CY7C199-15VC	9444	349414005	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-O	28	48	771	0	
														80	135	0	
														500	135	0	
														1000	134	0	
				9446	349414597	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-O	28	48	744	0	
														80	116	0	
														500	116	0	
				9520	349508890	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	F4	SOJ	INDNS-O	28	48	350	0	1 EOS
														1000	118	0	1 EOS
														2000	119	0	
				N/A	349508890	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	F4	SOJ	INDNS-O	28	80	120	0	
				9530	219510848	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	TX	SOJ	ALPHA-Y	28	500	120	0	
														500	120	0	
					219510849	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	TX	SOJ	ALPHA-Y	28	48	766	0	
														500	10	0	
					219510850	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	TX	SOJ	ALPHA-Y	28	48	756	0	
														80	120	0	
														500	120	1	1 BPSG DEFECT
														668	119	0	
					219510851	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	TX	SOJ	ALPHA-Y	28	80	120	0	
														500	120	0	
														620	108	0	
					219510852	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	TX	SOJ	ALPHA-Y	28	48	750	1	1 PHOTORESIST DEFECT
														80	120	0	
														500	120	0	
														668	120	0	
				9537	3532176	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-F	28	48	510	0	
														80	121	0	



CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

-- PAGE 83 --



Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Func- tion	Descr Description	Technology	Pro- cess	Wfr Loc	Pkg type	Assy Loc	No# Pin	Dura tion	Qty Test	Qty Fail	Fail Mode		
SRAM	HTOL2	125C/5.75V	CY7C199-12PC	9436	349410526	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	PDIP	INDNS-O	28	96	1251	0			
					349410617	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	PDIP	INDNS-O	28	60	1229	0			
																96	1220	0	
				CY7C199-45VI	9434	219413816	SRAM	32K x 8	SRAM/LOGIC-R21H	CMOS	TX	SOJ	ALPHA-Y	28	96	119	0		
															500	116	0		
															1000	103	0		
															2000	103	0		
				9521	219507380	SRAM	32K x 8	SRAM/LOGIC-R21	CMOS	TX	SOJ	ALPHA-X	28	96	127	0			
														500	127	0			
	1000	123												0					
	HTS	165C/NO BIAS	CY7B181-20NC	9521	12959(SWR)	SRAM	CACHE	BICMOS-SM2	BiCMOS	TX	PQFP	PHIL-M	80	336	45	0			
														500	45	0			
			CY7C199-15VC	9444	349414005	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-O	28	168	81	0			
														552	81	0			
				9520	13026(SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-F	28	336	54	0			
														500	54	0			
														1000	54	0			
															28	336	54	0	
													500	54	0				
HTSSL	150C/4.0V	CY7C1399-35PC	9533	219511913	SRAM	32K x 8	SRAM/LOGIC-R3	CMOS	CA	PDIP	ALPHA-X	28	80	74	0	2	EOS		
													168	74	0				
		CY7C1399-35VC	9543	219515582	SRAM	32K x 8	SRAM/LOGIC-R3	CMOS	CA	SOJ	ALPHA-X	28	80	76	0				
													168	76	0				
			CY7C1031-12JC	9507	349502172	SRAM	64K x 18	SRAM/LOGIC-R3	CMOS	CA	PLCC	KOREA-A	52	80	78	0			
168	78													0					
168	76													0					
													52	80	76	0			
													168	76	0				
													52	80	129	1	1 IONIC CONTAMINATION		
													168	128	0				
													32	80	83	0			
													168	131	0				
													32	80	136	0			
													168	54	0				
													168	82	1	UNKNOWN			
													32	80	81	0			

Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Function	Descr Description	Technology	Process	Wfr Loc	Pkg type	Assy Loc	No# Pin	Dura tion	Qty Test	Qty Fail	Fail Mode
SRAM	HTSSL	150C/5.75V	CY7C109A-35PC	N/A	3430896	SRAM	128K x 8	SRAM/LOGIC-R25	CMOS	MN	PDIP	KOREA-A	32	168	81	0	
			CY7C178-12JC	9504	349501131	SRAM	32K x 18	SRAM/LOGIC-R28	CMOS	MN	PLCC	KOREA-A	52	80	78	0	
					349501132	SRAM	32K x 18	SRAM/LOGIC-R28	CMOS	MN	PLCC	KOREA-A	52	168	78	0	
														80	78	0	



HTSSL2	125C/4.0V	CY7C185-35VC	9505	349500584	SRAM	32K x 18	SRAM/LOGIC-R28	CMOS	MN	PLCC	KOREA-A	52	168	78	0	1	EOS
													80	78	0		
			9532	219511700	SRAM	SML/64K	SRAM/LOGIC-R28	CMOS	MN	SOJ	ALPHA-X	28	168	78	0		
													80	81	0		
			9529	349514205	SRAM	256K/R2	SRAM/LOGIC-R21	CMOS	TX	SOJ	KOREA-L	32	168	80	0		
													80	80	0		
			9501	349416480	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	PDIP	INDNS-O	28	168	80	0		
				349416521	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	PDIP	INDNS-O	28	168	80	0		
													80	80	0		
			9449	349415285	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	PDIP	INDNS-O	28	168	80	0		
													80	76	0		
			9533	219511651	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	TX	PDIP	ALPHA-X	28	168	76	0		
													80	77	0		
			9444	349414005	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-O	28	168	77	0		
													80	81	0		
			9446	349414597	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-O	28	168	81	0		
													80	81	0		
			9520	349508890	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	F4	SOJ	INDNS-O	28	168	81	0		
													80	76	0		
			9530	219510850	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	TX	SOJ	ALPHA-Y	28	168	78	0		
				219510852	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	TX	SOJ	ALPHA-Y	28	168	81	0		
HTSSL2	125C/4.80V	CY7C1399-35VC	9541	219515206	SRAM	32K x 8	SRAM/LOGIC-R3	CMOS	CA	SOJ	ALPHA-X	28	168	81	0	1	EOS
													80	81	0		
			9541	219515123	SRAM	32K x 8	SRAM/LOGIC-R3	CMOS	CA	SOJ	ALPHA-X	28	168	81	0		
													80	81	0		
			9428	219406900	SRAM	4K x 4	BICMOS-SM1	ECL	TX	CDIP	ALPHA-X	28	168	81	0		
													80	81	0		
			9437	349410459	SRAM	4K x 4	BICMOS-SM1	ECL	TX	PLCC	KOREA-A	28	168	81	0		
													80	77	0		
			9434	219410117	SRAM	64K BiCMOS	BICMOS-SM2	BiCMOS	TX	PDIP	ALPHA-X	24	336	77	0		
													96	119	0		
HTSSL2	125C/5.75V	CY7B166-25PC											500	119	0	1	EOS
													1000	119	0		
													1500	119	0		

CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Function	Descr Description	Technology	Process	Wfr Loc	Pkg type	Assy Loc	No# Pin	Dura tion	Qty Test	Qty Fail	Fail Mode	
SRAM	HTSSL2	125C/5.75V	CY7B166-25PC CY7C109A-35VC	9434	219410117	SRAM	64K BiCMOS	BICMOS-SM2	BiCMOS	TX	PDIP	ALPHA-X	24	2000	119	1	TOPSIDE CRACKS	
				9501	349416267	SRAM	128K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	KOREA-L	32	96	120	0		
													500	120	0			
													1000	120	0			
													2000	120	0			
			CY7C199-45VI	9434	219413816	SRAM	32K x 8	SRAM/LOGIC-R21H	CMOS	TX	SOJ	ALPHA-Y	28	96	119	1		PARTICLE
													500	119	0			
													1000	118	0			
													2000	118	0			
													500	45	0			
LTOL	-45C/6.5V	CY7C199-15PC	N/A	219412393	SRAM	32K x 8	SRAM/LOGIC-R3	CMOS	CA	PDIP	ALPHA-X	28	500	45	0			
												1000	45	0				
			9518	349507986	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	TX	PDIP	INDNS-O	28	500	45	0			
												1000	45	0				
PCT	121C/100%RH	CY10E484-5JC CY7B181-20NC	9437	349410459	SRAM	4K x 4	BICMOS-SM1	ECL	TX	PLCC	KOREA-A	28	168	50	0			
			9521	12958(SWR)	SRAM	CACHE	BICMOS-SM2	BiCMOS	TX	POFP	PHIL-M	80	168	45	0			



CYPRESS
SEMICONDUCTOR
PRODUCT RELIABILITY

		12959(SWR)	SRAM	CACHE	BICMOS-SM2	BICMOS	TX	PQFP	PHIL-M	80	168	45	0	
CY7C1031-12JC	9506	349501977	SRAM	64K x 18	SRAM/LOGIC-R3	CMOS	CA	PLCC	KOREA-A	52	168	45	0	
	9507	349502172	SRAM	64K x 18	SRAM/LOGIC-R3	CMOS	CA	PLCC	KOREA-A	52	168	46	0	
CY7C109-25VC	9435	349409671	SRAM	128K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	KOREA-L	32	168	46	5	OXIDE DEFECT
	9442	349412320	SRAM	128K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	KOREA-L	32	168	46	0	
CY7C109A-35PC	N/A	3429761	SRAM	128K x 8	SRAM/LOGIC-R25	CMOS	MN	PDIP	KOREA-A	32	168	48	0	
		3429773	SRAM	128K x 8	SRAM/LOGIC-R25	CMOS	MN	PDIP	KOREA-A	32	168	48	0	
		3430896	SRAM	128K x 8	SRAM/LOGIC-R25	CMOS	MN	PDIP	KOREA-A	32	168	48	0	
CY7C1399-35VC	9531	219511102	SRAM	32K x 8	SRAM/LOGIC-R3	CMOS	CA	SOJ	ALPHA-X	28	168	45	0	
	9541	219515206	SRAM	32K x 8	SRAM/LOGIC-R3	CMOS	CA	SOJ	ALPHA-X	28	168	45	0	
											288	45	0	
CY7C178-12JC	9504	349501131	SRAM	32K x 18	SRAM/LOGIC-R28	CMOS	MN	PLCC	KOREA-A	52	168	45	0	
		349501132	SRAM	32K x 18	SRAM/LOGIC-R28	CMOS	MN	PLCC	KOREA-A	52	168	41	0	
CY7C185-35SC	N/A	2444364	SRAM	8K x 8	SRAM/LOGIC-R21	CMOS	TX	SOIC	KOREA-A	28	168	50	0	
CY7C185-35VC	9532	219511700	SRAM	SML/64K	SRAM/LOGIC-R28	CMOS	MN	SOJ	ALPHA-X	28	168	52	0	
CY7C188-25VC	9529	349514205	SRAM	256K/R2	SRAM/LOGIC-R21	CMOS	TX	SOJ	KOREA-L	32	168	46	0	
CY7C199-12VC	9422	219405800	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	ALPHA-Y	28	168	47	0	
	9434	349410144	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	INDNS-O	28	168	54	0	
	9443	349413345	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	INDNS-O	28	168	45	0	
CY7C199-15PC	9506	219501944	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	PDIP	ALPHA-X	28	168	45	0	
		219501947	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	PDIP	ALPHA-X	28	168	45	0	
	N/A	12259(SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	PDIP	KOREA-A	28	168	45	0	
		12265(SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	PDIP	KOREA-A	28	168	45	0	
CY7C199-15VC	9444	349414005	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-O	28	168	54	0	
	9446	349414597	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-O	28	168	45	0	
	9512	13023(SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	ALPHA-X	28	168	45	0	
		13025(SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	ALPHA-X	28	168	45	0	
	9520	13024(SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	ALPHA-X	28	168	50	0	
	9520	349508890	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	F4	SOJ	INDNS-O	28	168	54	0	
	9520	13026(SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-F	28	168	54	0	
		13027(SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-F	28	168	54	0	
	9517	349507034	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-O	28	168	54	0	

CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Function	Descr Description	Technology	Process	Wfr Loc	Pkg type	Assy Loc	No# Pin	Dura tion	Qty Test	Qty Fail	Fail Mode
SRAM	PCT	121C/100%RH	CY7C199-15VC	9517	349507035	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-O	28	168	54	0	
				9525	13058(SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	KOREA-A	28	168	54	0	
					13059(SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	KOREA-A	28	168	54	0	
					13060(SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	KOREA-A	28	168	54	0	
				9530	219510850	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	TX	SOJ	ALPHA-Y	28	168	50	0	
					219510852	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	TX	SOJ	ALPHA-Y	28	168	50	0	
				9537	3532176	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-F	28	168	49	0	
				9539	349521304	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-F	28	168	46	0	
			CY7C199-15ZC	N/A	12896(SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	TSOP	KOREA-H	32	168	47	0	
					12897(SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	TSOP	KOREA-H	32	168	47	0	
			CY7C199-45PC	N/A	12263	SRAM	32K x 8	SRAM/LOGIC-R21H	CMOS	MN	PDIP	KOREA-A	28	168	45	0	
					12264	SRAM	32K x 8	SRAM/LOGIC-R21H	CMOS	MN	PDIP	KOREA-A	28	168	45	0	
	T/S	-55C TO 150C	CY7B181-20NC	9521	12959(SWR)	SRAM	CACHE	BICMOS-SM2	BICMOS	TX	PQFP	PHIL-M	80	100	47	0	
														200	47	0	
	TC	-40C TO 125C	CY7C109A-35PC	N/A	3429773	SRAM	128K x 8	SRAM/LOGIC-R25	CMOS	MN	PDIP	KOREA-A	32	500	48	0	
														1000	48	0	
														1500	48	0	
			CY7C185-25PC	9430	219408763	SRAM	8K x 8	SRAM/LOGIC-R21	CMOS	TX	PDIP	ALPHA-X	28	500	45	0	
														1000	45	0	
														1500	45	0	
			CY7C199-12PC	9501	349416480	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	PDIP	INDNS-O	28	500	45	0	
														1000	45	0	
					349416521	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	PDIP	INDNS-O	28	500	45	0	
														1000	45	0	
			CY7C199-12VC	9452	349416327	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	INDNS-O	28	500	80	0	
														1500	80	0	



TC2	-65C TO 150C	CY7C199-15ZC	N/A	12896 (SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	TSOP	KOREA-H	32	500	46	0	TOPSIDE CRACKS
				12897 (SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	TSOP	KOREA-H	32	500	46	0	
		CY7C199-25PC	9430	219408537	SRAM	32K x 8	SRAM/LOGIC-R21H	CMOS	TX	PDIP	ALPHA-X	28	500	45	1	
		CY7C199-25VI	9445	219413816	SRAM	32K x 8	SRAM/LOGIC-R21H	CMOS	TX	SOJ	ALPHA-Y	28	500	80	0	
		CY10E484-5DC	9428	219406900	SRAM	4K x 4	BICMOS-SM1	ECL	TX	CDIP	ALPHA-X	28	1000	80	0	
		CY10E484-5JC	9435	349410458	SRAM	4K x 4	BICMOS-SM1	ECL	TX	PLCC	KOREA-A	28	1000	52	0	
		CY7B181-20NC	9521	12958 (SWR)	SRAM	CACHE	BICMOS-SM2	BiCMOS	TX	PQFP	PHIL-M	80	1000	50	0	
				12959 (SWR)	SRAM	CACHE	BICMOS-SM2	BiCMOS	TX	PQFP	PHIL-M	80	1000	45	0	
		CY7B185-10VI	9439	349411591	SRAM	8K x 8	BICMOS-SM2	BiCMOS	TX	SOJ	INDNS-O	28	1000	45	0	
		CY7C1031-12JC	9510	349503220	SRAM	64K x 18	SRAM/LOGIC-R3	CMOS	CA	PLCC	KOREA-A	52	1000	60	0	
			9521	349508433	SRAM	64K x 18	SRAM/LOGIC-R3	CMOS	CA	PLCC	KOREA-A	52	1000	45	0	
				349508686	SRAM	64K x 18	SRAM/LOGIC-R3	CMOS	CA	PLCC	KOREA-A	52	1000	45	0	
												52	300	90	0	

CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Function	Descr Description	Technology	Process	Wfr Loc	Pkg type	Assy Loc	No# Pin	Dura tion	Qty Test	Qty Fail	Fail Mode				
SRAM	TC2	-65C TO 150C	CY7C1031-12JC	9521	349508686	SRAM	64K x 18	SRAM/LOGIC-R3	CMOS	CA	PLCC	KOREA-A	52	1000	45	0	TOPSIDE CRACKS				
					349508688	SRAM	64K x 18	SRAM/LOGIC-R3	CMOS	CA	PLCC	KOREA-A	52	300	45	0					
			CY7C109-25VC	9435	349409671	SRAM	128K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	KOREA-L	32	300	46	4		OXIDE DEFECT			
					9442	349412320	SRAM	128K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	KOREA-L	32	300	46		4	TOPSIDE CRACKS		
			CY7C109A-25VC	9508	349500889	SRAM	128K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	KOREA-L	32	300	46	0					
			CY7C109A-35PC	N/A	3429761	SRAM	128K x 8	SRAM/LOGIC-R25	CMOS	MN	PDIP	KOREA-A	32	300	48	0					
					3429773	SRAM	128K x 8	SRAM/LOGIC-R25	CMOS	MN	PDIP	KOREA-A	32	300	48	1		PARTICLE			
					3430896	SRAM	128K x 8	SRAM/LOGIC-R25	CMOS	MN	PDIP	KOREA-A	32	300	48	0					
			CY7C1399-35VC	9531	219511102	SRAM	32K x 8	SRAM/LOGIC-R3	CMOS	CA	SOJ	ALPHA-X	28	300	45	0					
			CY7C178-12JC	9524	349511092	SRAM	32K x 18	SRAM/LOGIC-R28	CMOS	MN	PLCC	KOREA-A	52	300	96	0					
			CY7C185-35SC	9525	349512212	SRAM	32K x 18	SRAM/LOGIC-R28	CMOS	MN	PLCC	KOREA-A	52	300	143	0					
					N/A	2444364	SRAM	8K x 8	SRAM/LOGIC-R21	CMOS	TX	SOIC	KOREA-A	28	300	50		0			
			CY7C185-35VC	9532	219511700	SRAM	SML/64K	SRAM/LOGIC-R28	CMOS	MN	SOJ	ALPHA-X	28	300	54	0					
			CY7C188-25VC	9539	349521492	SRAM	256K/R2	SRAM/LOGIC-R21	CMOS	TX	SOJ	KOREA-L	32	300	96	0					
					CY7C199-12PC	9501	349416480	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	PDIP	INDNS-O	28	300		45	0		
							349416521	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	PDIP	INDNS-O	28	300		90	0		
			CY7C199-12VC	9534	349518224	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	PDIP	INDNS-O	28	300	96	0					
			CY7C199-12VC	9422	219405800	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	ALPHA-Y	28	300	47	1		TOPSIDE CRACKS			
				9425	219406902	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	ALPHA-Y	28	300	54	0					
						9434	349410144	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	INDNS-O	28	300		54	0		
	9443	349413345	SRAM	32K x 8			SRAM/LOGIC-R25	CMOS	MN	SOJ	INDNS-O	28	300	45	0						



CY7C199-15PC	9449	349415285	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	PDIP	INDNS-O	28	300	45	0
											1000	45	0
	9450	349415706	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	PDIP	INDNS-O	28	300	45	0
											1000	44	0
	9451	349415943	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	PDIP	INDNS-O	28	300	45	0
											1000	45	0
											2000	43	0
	9506	219501944	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	PDIP	ALPHA-X	28	300	45	0
											1000	45	0
		219501946	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	PDIP	ALPHA-X	28	300	45	0

CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Function	Description	Technology	Process	Wfr Loc	Pkg type	Assy Loc	No# Pin	Dura tion	Qty Test	Qty Fail	Fail Mode
SRAM	TC2	-65C TO 150C	CY7C199-15PC	9506	219501946	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	PDIP	ALPHA-X	28	1000	45	0	
					219501947	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	PDIP	ALPHA-X	28	300	45	0	
														1000	45	0	
				N/A	12259(SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	PDIP	KOREA-A	28	300	45	0	
					12265(SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	PDIP	KOREA-A	28	300	45	0	
														1000	45	0	
			CY7C199-15VC	9444	349414005	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	INDNS-O	28	300	54	0	
														1000	54	0	
				9446	349414597	SRAM	32K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	INDNS-O	28	300	45	0	
														1000	45	0	
				9512	13023(SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	ALPHA-X	28	300	45	0	
														1000	45	0	
					13025(SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	ALPHA-X	28	300	45	0	
														1000	45	0	
				9520	13024(SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	ALPHA-X	28	300	100	0	
														1000	100	0	
				9520	349508890	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	F4	SOJ	INDNS-O	28	300	54	0	
														1000	54	0	
				9520	13026(SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-F	28	300	54	0	
														1000	54	0	
												PHIL-M	28	300	54	0	
														1000	54	0	
					13027(SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-F	28	300	54	0	
														2000	54	0	
												PHIL-M	28	300	54	0	
														1000	54	0	
					13028(SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-F	28	300	54	0	
														1000	54	0	
														2000	53	0	
														1000	108	0	
														2000	108	0	
														2000	54	0	
														300	108	0	
														1000	108	0	
														2000	54	0	
														300	108	0	
														1000	54	0	
														2000	53	0	
				9525	13058(SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	KOREA-A	28	300	54	0	
					13059(SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	KOREA-A	28	300	54	0	
					13060(SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	KOREA-A	28	300	54	0	
				9539	219514473	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	ALPHA-X	28	300	96	0	
														1000	48	0	
				9530	349514437	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-F	28	300	45	0	
				9531	349514435	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-F	28	300	45	0	



CYPRESS SEMICONDUCTOR CORPORATION
1995 ANNUAL RELIABILITY DATA

Prod line	Test	Test Condition	Device	D/C	Assembly Lot No	Func- tion	Descr Description	Technology	Pro- cess	Wfr Loc	Pkg type	Assy Loc	No# Pin	Dura tion	Qty Test	Qty Fail	Fail Mode
SRAM	TC2	-65C TO 150C	CY7C199-15VC	9531	349514436	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-F	28	300	45	0	
														1000	45	0	
				9532	349516700	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-F	28	300	50	0	
														1000	50	0	
				9533	349516991	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-F	28	300	50	0	
														1000	50	0	
				9530	219510849	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	TX	SOJ	ALPHA-Y	28	300	50	0	
					219510850	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	TX	SOJ	ALPHA-Y	28	300	100	0	
														1000	100	0	
					219510852	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	TX	SOJ	ALPHA-Y	28	300	50	0	
			CY7C199-15ZC	9537	3532176	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-F	28	300	48	0	
				9539	349521304	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	SOJ	INDNS-F	28	300	46	0	
			CY7C199-45PC											1000	46	0	
				9527	219509711	SRAM	32K x 8	SRAM/LOGIC-R3	CMOS	CA	SOJ	ALPHA-X	28	300	50	5	
				N/A	12896 (SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	TSOP	KOREA-H	32	300	47	0	
					12897 (SWR)	SRAM	32K x 8	SRAM/LOGIC-R28	CMOS	MN	TSOP	KOREA-H	32	300	47	0	
				N/A	12263	SRAM	32K x 8	SRAM/LOGIC-R21H	CMOS	MN	PDIP	KOREA-A	28	300	45	0	
														1000	45	0	
					12264	SRAM	32K x 8	SRAM/LOGIC-R21H	CMOS	MN	PDIP	KOREA-A	28	300	45	0	
			CY7C199-45VC											1000	45	0	
				9509	219501636	SRAM	32K x 8	SRAM/LOGIC-R21H	CMOS	TX	SOJ	ALPHA-X	28	300	79	0	
TEV	0 READ POINT		CY7C109A-35VC	9522	349509018	SRAM	128K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	KOREA-L	32	-5	120	0	
														25	120	0	
														85	120	0	
														85	120	0	
				9528	349512520	SRAM	128K x 8	SRAM/LOGIC-R25	CMOS	MN	SOJ	KOREA-L	32	-5	120	0	
														25	120	0	
			CY7C188-25VC											85	120	0	
				9530	349515830	SRAM	256K/R2	SRAM/LOGIC-R21	CMOS	MN	SOJ	KOREA-L	32	-5	120	0	
			CY7C199-15VC											25	120	0	
														85	120	0	
				9527	219509711	SRAM	32K x 8	SRAM/LOGIC-R3	CMOS	CA	SOJ	ALPHA-X	28	-5	120	0	
														25	120	0	
														85	120	0	
				9536	219513029	SRAM	32K x 8	SRAM/LOGIC-R3	CMOS	CA	SOJ	ALPHA-X	28	-5	120	0	
														25	120	0	
														85	120	0	
			CY7C199-45VI	9521	219507380	SRAM	32K x 8	SRAM-LOGIC/R21	CMOS	TX	SOJ	ALPHA-X	28	-5	127	0	
														25	127	0	
														85	127	0	
														85	127	0	
				9538	349520839	SRAM	32K x 8	SRAM/LOGIC-R21	CMOS	TX	SOJ	INDNS-O	28	-5	120	0	
														25	120	0	
														85	120	0	
														85	120	0	