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Paper No., Page No.	First Author	Part No.	Type	Manufacture	Data		Total Ionizing Dose				Single Event Effects							Displacement Damage		Facilities	Standard	Environment
					Terrestrial	Flight	Co60	ELDRS	Protons	Electrons	SEU	SET	SEFI	SEL	SEB	SEGR	Dose Rate	Protons	Neutrons			
8, pp. 1-11	K. LaBel	80386		Intel	√						√			√			√					
		80387		Intel	√						√			√								
		Custom	Bus Controller	Matra	√						√			√								
		Custom	Serial Controller	Matra	√						√			√								
		82HS641A	PROM	Signetics	√						√			√								
		DQ28C256	EEPROM	SEEQ	√						√			√								
7, pp. 12-15	J. Kinnison	P1750AS-25QGM	Microprocessor																			
		P1753S-25QGN	Memory Management Unit																			
		P1754S-25QGM	Processor Interface Circuit																			
		RTX2010RH	Microprocessor	Harris Semiconductor	√						√			√								
		54AC708	64 x 9 bit FIFO	National Semiconducotr	√						√			√								
		54AC725	512 x 9 bit FIFIO	National Semiconducotr	√						√			√								
			Gate Array	UTMC	√						√			√								
		2N6802	Power MOSFET	Intermational Rectifier	√										√							
		320C25	Digital Signal Processor	Texsas Instruments	√						√			√								
		7202RT	4k x 8 bit FIFO	IDT	√						√			√								
		7134RT	4k x 8 bit Dual Port RAM	IDT	√						√			√								
13, pp. 16-20	R. Velazco	MC68020	Microprocessor	Motorola	√						√			√								
		MC68882	Floating Point Unit	Motorola	√						√			√								
		90C601	Microprocessor		√						√			√								
		90C602	Floating Point Unit		√						√			√								
3, pp. 21-26	C. Dufour	54LS630	EDAC	Texsas Instruments	√						√			√								
		54LS74A	Octal D Type Latch	Texsas Instruments	√						√			√								
		82HS641	64k bit PROM	Signetics	√						√			√								
		ADSP2100	Digital Signal Processor	Analog Devices	√									√								
		ADSP2100A	Digital Signal Processor	Analog Devices	√									√								
		CY7C261-55	64k bit EPROM	Cypress	√						√			√								
		DG271	Analog Switch	Siliconix	√									√								
		DG300	Analog Switch	Siliconix	√									√								
		HM65664	64k bit SRAM	MHS	√									√								
		HM6617	64k bit PROM	Harris Semiconductor	√						√			√								
		IRF450	Power MOSFET	International Rectifier	√									√								
		IRF350	Power MOSFET	International Rectifier	√									√								
		L64730	DCT Processor	LSI Logic	√						√			√								
		L64801	Microprocessor	LSI Logic	√									√								
		L64811	Microprocessor	LSI Logic	√									√								
		L64814	Floating Point Unit	LSI Logic	√									√								
		M65656	256k bit SRAM	MHS	√									√								
		M67202	1k x 9 bit FIFO	MHS	√									√								
		MA805	1553 Bus Controller	MAR	√									√								
		MACSTC02	MACS Bus Controller	MHS	√						√			√								
		MB500	ASIC	MHS	√						√			√								
		MB7144E	64k PROM	Fujitsu	√									√								
		MC10531	Dual D Type Latches	Motorola	√						√			√								
		MC5000	35k Gate Array	MHS	√									√								
		MC54ACT163	4 bit Binary Counter	Motorola	√						√			√								
		MC54ACT374	Octal D Type Latch	Motorola	√						√			√								
		MT5C1008CW	1M bit SRAM	Microm	√									√								
		MT5C2568C	256k bit SRAM	Microm	√						√			√								
		R29793DM	64k bit PROM	Raytheon	√						√			√								
		SBP9989-D	Microprocessor	Texsas Instruments	√						√			√								
		SPR7541	12 bit DAC	SOR	√									√								
		T800	Transputer	InMOS	√									√								
		TMC2210	Multiplier Accumualtor	TRW	√									√								
		TMC320C25	Digital Signal Processor	Texsas Instruments	√						√			√								
		TMS320C25	Digital Signal Processor	Texsas Instruments	√						√			√								
		ULA-5N104	OBDH Bus Controller	Ferranti	√						√			√								
		WSF57C49B	64k EPROM	WAF	√						√			√								
4, pp. 27-33	R. Ecoffet	MT5C1001	1 Mbit SRAM	Micron	√						√											
		MT5C1008	128k x8 SRAM	Micron	√						√											
		HM65656	32kx8 SRAM	Matra	√						√											
		HM65654	8kx8 SRAM	Matra	√						√											
		HM65641	8kx8 SRAM	Matra	√						√											
		TS4H6408	8kx8 SRAM	Thomson-TMS	√						√											
		P10C68	8kx8 NovRAM	Plessey	√						√											
		DM28HC256	8kx8 EEPROM	SEEQ	√						√											
		AT28HC256	32kX8 EEPROM	Atmel	√						√											
		X28C256	32kx8 EEPROM	Xicor	√							√										
5, pp. 34-41	R. Harboe-Sorensen	IDT79R300-256	Microprocessor	IDT	√		√				√											
		LR3000GC-25	Microprocessor	LSI Logic	√		√				√											
		PR3000-25PGC	Microprocessor	Performance Semiconductor	√		√				√											
		R3000-25-A	Microprocessor	Siemens	√		√				√											
		D30300R-25	Microprocessor	NEC	√		√				√											
		IDT79R3000AE	Microprocessor	IDT	√		√				√											
		LR3000AHC-25	Microprocessor	LSI Logic	√		√				√											
		PR3000A-25PGC	Microprocessor	Performance Semiconductor	√		√				√											
		R3000A-33-AE	Microprocessor	Siemens	√		√				√											
		IDT79R3010AE-25G	Microprocessor	IDT	√		√				√											
		LR3010AHC-25	Microprocessor	LSI Logic	√		√				√											
		PR3010A-25PGC	Microprocessor	Performance Semiconductor	√		√				√											
		R3010A-33-A	Microprocessor	Siemens	√		√				√											
2, pp. 42-47	M. Bumbaugh	X28256	32kx8 EEPROM	Xicor	√		√										√					
		X28C256	32kx8 EEPROM	Xicor	√		√										√					
		AT28C256	32kx8 EEPROM	Atmel	√		√										√					
		DQ28C256	32kx8 EEPROM	SEEQ	√		√										√					
		CM28HC256	32kx8 EEPROM	SEEQ	√		√										√					
9, pp. 48-52	C. Lee	HSRD 1056RH	Resolver to Digital Converter	Natel	√		√															
12, pp. 53-57		54AC00	NAND Gate	National Semiconductor	√		√															
		54AC02	NOR Gate	National Semiconductor	√		√															
		54AC04	HEX Inverter	National Semiconductor	√		√															
		54AC08	NAND Gate	National Semiconductor	√		√															
		54ACTQ08	NAND Gate	National Semiconductor	√		√															
		54AC11	AND Gate	National Semiconductor	√		√															
		54AC14	HEX Inverter	National Semiconductor	√		√															
		54AC20	NAND Gate	National Semiconductor	√		√															
		54AC32	OR Gate	National Semiconductor	√		√															
		54AC74	D-Flip-Flop	National Semiconductor	√		√															
		54ACT74	D-Flip-Flop	National Semiconductor	√		√															
		54AC86	OR Gate	National Semiconductor	√		√															
		54AC109	JK-Flip-Flop	National Semiconductor	√		√															
		54AC138	Decoder	National Semiconductor	√		√															
		54ACT138	Decoder	National Semiconductor	√		√															
		54AC139	Decoder	National Semiconductor	√		√															
		54AC151	Multiplexer	National Semiconductor	√		√															
		54AC153	Multiplexer	National Semiconductor	√		√															
		54AC157	Multiplexer	National Semiconductor	√		√															
		54ACT157	Multiplexer	National Semiconductor	√		√															
		54AC161	Counter	National Semiconductor	√		√															
		54AC191	Counter	National Semiconductor	√		√															
		54ACT240	Buffer	National Semiconductor	√		√															
		54ACT244	Buffer	National Semiconductor	√		√															
		54AC245	Transceiver	National Semiconductor	√		√															
		54ACT245	Transceiver	National Semiconductor	√		√															
		54ACT373	Octal Latch	National Semiconductor	√		√															
		54ACTQ374	Octal Latch	National Semiconductor	√		√															
		54ACTQ374	D-Flip-Flop	National Semiconductor	√		√															
		54AC521	D-Flip-Flop	National Semiconductor	√		√															
10, pp. 58-66	M. Maher	54AC00		National Semiconductor	√		√															
		54AC02		National Semiconductor	√		√															
		54AC04		National Semiconductor	√		√		√													
		54AC08		National Semiconductor	√		√															
		54AC10		National Semiconductor	√		√															
		54AC20		National Semiconductor	√		√															
		54AC32		National Semiconductor	√		√															
		54AC74		National Semiconductor	√		√															
		54AC86		National Semiconductor	√		√															
		54AC138		National Semiconductor	√		√															
		54AC151		National Semiconductor	√		√															
		54AC161		National Semiconductor	√		√															
		54AC240		National Semiconductor	√		√															
		54AC244		National Semiconductor	√		√															
		54AC245		National Semiconductor	√		√															
		54AC273		National Semiconductor	√		√															
		54AC373		National Semiconductor	√		√															
		54ACT00		National Semiconductor	√		√															
		54ACT109		National Semiconductor	√		√															
		54ACT138		National Semiconductor	√		√															
		54ACT151		National Semiconductor	√		√															
		54ACT153		National Semiconductor	√		√															
		54ACT175		National Semiconductor	√		√															
		54ACT244		National Semiconductor	√		√															
		54ACT245		National Semiconductor	√		√															
		54ACT273		National Semiconductor	√		√															
		54AC373		National Semiconductor	√		√															
		54ACT521		National Semiconductor	√		√															
		54ACT825		National Semiconductor	√		√															
		54AC249		National Semiconductor	√						√						√					
		54AC163		National Semiconductor	√						√											
		54AC174		National Semiconductor	√						√											
		54AC374		National Semiconductor	√						√											
		54ACT174		National Semiconductor	√						√											
		54ACT373		National Semiconductor	√						√											
11, pp. 67-71	A. Owens	Test circuits	1µm CMOS Gate Array	LSI Logic	√		√				√			√			√					
1, pp.72-81	R. Brown		32kx8 SRAM	IBM Federal Systems	√		√				√			√			√					
			256kx1 SRAM	IBM Federal Systems	√		√				√			√			√					
6, pp. 82-86	G. Hash		Nuclear Event Detector	Harris Semiconductor																		

Once the paper(s) with the response data required has been located it is the radiation effects engineer's responsibility to perform a detailed review to establish applicability.