

Paper No., Page No.	First Author	Part No.	Type	Manufacture	Data		Total Ionizing Dose			Single Event Effects					Dose Rate	Displacement Damage		Facilities	Standard	Environment			
					Terrestrial	Flight	Co60	ELDRS	Protons	Electrons	SEU	SET	SEFI	SEL		SEB	SEGR				Protons	Neutrons	
11, pp. 1-12	D. Nichols	80C85RH	Microprocessor	Harris	✓																		
		81C55RH	Microprocessor	Harris	✓																		
		SBP9989	Microprocessor	Texas Instruments	✓																		
		80C86-2/B	Microprocessor	Intel	✓																		
		80C86	Microprocessor	Harris	✓																		
		80C86	Microprocessor	Intel	✓																		
		M80C186	Microprocessor	Intel	✓																		
		80C186	Microprocessor	Intel	✓																		
		MG80C186	Microprocessor	Intel	✓																		
		MD82510	Microprocessor	Intel	✓																		
		1750A	Microprocessor	Performance Semiconductor	✓																		
		MA31750	Microprocessor	Marconi Electronic Devices	✓																		
		MAS281	Microprocessor	Marconi Electronic Devices	✓																		
		RTX2010RH	Microprocessor	Harris	✓																		
				80386	Microprocessor	Advanced Micro Devices	✓																
				80386	Microprocessor	Intel	✓																
				68020	Microprocessor	Motorola	✓																
				R3000	Microprocessor	Performance Semiconductor	✓																
				R3000	Microprocessor	Siemens Incorporated	✓																
				R3000	Microprocessor	Integrated Device Technology	✓																
				R3000	Microprocessor	LSI Logic	✓																
				R3000	Microprocessor	NEC	✓																
				R3000A	Microprocessor	Integrated Device Technology	✓																
				R3000A	Microprocessor	LSI Logic	✓																
				R3000A	Microprocessor	Performance Semiconductor	✓																
				R3000A	Microprocessor	Siemens Incorporated	✓																
				82380	DMA Controller	Intel	✓																
				R3010A	Floating Point Unit	Integrated Device Technology	✓																
				R3010A	Floating Point Unit	LSI Logic	✓																
				R3010A	Floating Point Unit	Performance Semiconductor	✓																
				R3010A	Floating Point Unit	Siemens Incorporated	✓																
				80387-16	Floating Point Unit	Intel	✓																
				68882	Floating Point Unit	Motorola	✓																
				TMS320C25	Digital Signal Processor	Texas Instruments	✓																
				ADFS2P100A	Digital Signal Processor	Analog Devices	✓																
				HSRD1056	Resolver to Digital Converter	Natel	✓																
				DAC8408	8 bit DAC	Precision Monolithics	✓																
				AD558	8 bit DAC	Analog Devices	✓																
				PM7545	12 bit ADC	Precision Monolithics	✓																
				DAC8412	12 bit ADC	Precision Monolithics	✓																
				AD9048TQ	8 bit ADC	Analog Devices	✓																
				MP7684	8 bit ADC	Micro Power Systems	✓																
				AD7824	8 bit ADC	Analog Devices	✓																
				AD7672B	12 bit ADC	Analog Devices	✓																
				MX7672	12 bit ADC	Maxim	✓																
				MX7572	12 bit ADC	Maxim	✓																
				HI574	12 bit ADC	Harris	✓																
				HI674ALD	12 bit ADC	Harris	✓																
				HI674SD	12 bit ADC	Harris	✓																
				AD574A	12 bit ADC	Analog Devices	✓																
				AD674A	12 bit ADC	Analog Devices	✓																
				AD674B	12 bit ADC	Analog Devices	✓																
				MX674A	12 bit ADC	Maxim	✓																
				ADC574A	12 bit ADC	Burr Brown	✓																
				ADC674	12 bit ADC	Burr Brown	✓																
				AD7872	14 bit ADC	Analog Devices	✓																
				HS9575RH	16 bit ADC	Sipex	✓																
				54AC708	SRAM	National Semiconductor	✓																
				74AC725	SRAM	National Semiconductor	✓																
				7202RE	SRAM	Intergated Device Technologies	✓																
				HC5517A	SRAM	Texas Instruments	✓																
				L6116	SRAM	Logic Devices Incorporated	✓																
				CYPC128A	SRAM	Cypress	✓																
				HC6116	SRAM	Honeywell	✓																
				HC6216	SRAM	Honeywell	✓																
				HX6364	SRAM	Honeywell	✓																
				HC6364	SRAM	Honeywell	✓																
				TS054	SRAM	Harris	✓																
				MA6167	SRAM	Marconi Electronic Devices	✓																
				MA6116	SRAM	Marconi Electronic Devices	✓																
				MA9187	SRAM	Marconi Electronic Devices	✓																
				IBM6401	SRAM	IBM	✓																
				EDH8832C	SRAM	EDI Corporation	✓																
				MT5C256	SRAM	Micron Technologies	✓																
				MT5C256B	SRAM	Micron Technologies	✓																
				MT5C2568C	SRAM	Micron Technologies	✓																
				MT5C1001	SRAM	Micron Technologies	✓																
				MT5C1008	SRAM	Micron Technologies	✓																
				MT5C1008C	SRAM	Micron Technologies	✓																
				HMS65641	SRAM	Matra	✓																
				HM65656	SRAM	Matra	✓																
				HM65664	SRAM	Matra	✓																
				HM1-65664	SRAM	Matra	✓																
				HM65641	SRAM	Matra	✓																
				TS4H6408	SRAM	Thomson	✓																
				IDT7052	SRAM	Intergated Device Technologies	✓																
				IDT7164	SRAM	Intergated Device Technologies	✓																
				MCM6226	SRAM	Motorola	✓																
				CXK581000P-10L	SRAM	Sony	✓																
				CXK581001	SRAM	Sony	✓																
				HM628512	SRAM	Hitachi	✓																
				EDI41024C100QB	DRAM	EDI Corporation	✓																
				MDM110TMB	DRAM	Nippon Electric Company	✓																
				MDM1400G	DRAM	Hitachi	✓																
				MB814100-10PSZ	DRAM	Fujitsu	✓																
				HM514100ZP8	DRAM	Hitachi	✓																
				MT4C1004C	DRAM	Micron Technologies	✓																
				MT4C4001	DRAM	Micron Technologies	✓																
				D424100V-80	DRAM	Nippon Electric Company	✓																
				KM41C4000Z-8	DRAM	Samsung	✓																
		HYB514100J-10	DRAM	Siemens Incorporated	✓																		
		TMS44100DM-80	DRAM	Thomson	✓																		
		TC514100Z-10	DRAM	Toshiba	✓																		
		P10C68	RAM Non-volatile	Plessey Semiconductor	✓																		
		FMX1408	FRAM	Ramtron	✓																		
		FMX1208	FRAM	Ramtron	✓																		
		28HC256	EEPROM	SEEQ Technologies	✓																		
		28HC256	EEPROM	Atmel	✓																		
		DM28C256	EEPROM	SEEQ Technologies	✓																		
		28C256	EEPROM	SEEQ Technologies	✓																		
		CY7C261-55	EEPROM	Cypress	✓																		

