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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			
5, pp. 1-5	D. Hiemstra	OPA111	Operational Amplifier	Burr-Brown	√		√															
15, pp. 6-12	T. Turflinger	AD9220	12 bit ADC	Analog Devices	√		√															
		AD7874	12 bit ADC	Analog Devices	√		√										√					
14, pp. 13-18	A. Sharma	28C256	EEPROM	SEEQ	√		√															
		28C010	EEPROM	Hitachi/Space Electronics Inc.	√		√															
		58C1001	EEPROM	Hitachi/Austin	√		√															
		OP490	Operational Amplifier	Precision Monolithics Inc.	√			√														
		OP07A	Operational Amplifier	Precision Monolithics Inc.	√			√														
		OP43	Operational Amplifier	Analog Devices	√			√														
		OP07A	Operational Amplifier	Precision Monolithics Inc.	√			√														
		OP400AY	Operational Amplifier	Precision Monolithics Inc.	√			√														
		LM108A	Operational Amplifier	National Semiconductor	√			√														
		LM108	Operational Amplifier	National Semiconductor	√			√														
		LM108	Operational Amplifier	National Semiconductor	√			√														
		EL2243C	Operational Amplifier	Elantec	√			√														
		LF411MH	Operational Amplifier	National Semiconductor	√			√														
		LM10	Operational Amplifier	Linear Technology	√			√														
		TL074	Operational Amplifier	Texsas Instruments	√			√														
		AD645SG	Operational Amplifier	Analog Devices	√			√														
		TLE2142	Operational Amplifier	Texsas Instruments	√			√														
		LM158	Operational Amplifier	National Semiconductor	√			√														
		PA10M	Operational Amplifier	Apex	√			√														
		HA7-5127	Operational Amplifier	Harris	√			√														
		AD829SQ	Operational Amplifier	Analog Devices	√			√														
		AD620SQ	Operational Amplifier	Analog Devices	√			√														
		OP27A	Operational Amplifier	Linear Technology	√			√														
		LM10	Operational Amplifier	National Semiconductor	√			√														
		26C31	Differntial Driver	National Semiconductor	√		√															
		OP177	Operational Amplifier	Analog Devices	√			√														
		PA51M	Operational Amplifier	Apex	√			√														
		ADC0816	8 bit ADC	National Semiconductor	√		√															
		RP7820	8 bit ADC	Space Electronics Inc.	√		√															
		AD7672	12 bit ADC	Analog Devices	√		√															
		MP7628	8 bit DAC	Micro Power Systems	√		√															
		AD7545	12 bit DAC	Analog Devices	√		√															
		DAC08A	8 bit DAC	Analog Devices	√			√														
		DAC8408A	8 bit DAC	Precision Monolithics Inc.	√		√															
		DAC08A	8 bit DAC	Analog Devices	√		√															
		AD565	12 bit DAC	Analog Devices	√			√														
		SP9380	18 bit DAC	Sipex	√		√															
		MFL2815S	DC-DC Converter	Interpoint	√		√															
		MFL2812S	DC-DC Converter	Interpoint	√		√															
		MFL2815	DC-DC Converter	Interpoint	√		√															
		MFL2805S	DC-DC Converter	Interpoint	√		√															
		MHF2812S	DC-DC Converter	Interpoint	√		√															
		MHF2805S	DC-DC Converter	Interpoint	√		√															
6, pp. 19-27	K. Label	HM5116400AJ7	4M x 4 DRAM	Hitachi	√						√											
		4216400-70	4M x 4 DRAM	NEC	√						√											
		D4216400G3-70	4M x 4 DRAM	NEC	√						√											
		0116400PT1C-70	4M x 4 DRAM	IBM	√						√											
		43G9240	4M x 4 DRAM	IBM	√						√											
		0116400J1C-70	4M x 4 DRAM	IBM	√						√											
		TP0116400AJ3B-70	4M x 4 DRAM	IBM	√						√											
		0116400J1C-70	160M bit DRAM	IBM	√						√											
		70V25	Dual Port RAM	IDT	√						√											
		628128	SRAM	Hitachi	√						√			√								
		SA28C256ARP	EEPROM	Space Electronics Inc.	√						√			√								
		SA28C256ERPDB	EEPROM	Space Electronics Inc.	√						√			√								
		HN58C1001	EEPROM	Hitachi	√						√			√								
		E28F016SB	Flash EEPROM	Intel	√						√			√								
		UT22VP10	PAL	UTMC	√						√			√								
		IMP50E10	EDAC	IMP	√						√			√								
		A1280	FPGA	Actel	√						√											
		AT6002-JC	FPGA	Atmel	√						√			√								
		3090A	FPGA	Xilinx	√						√			√								
		ATT2C04-2	FPGA	AT&T	√									√								
		MQ80386-25/B	Microprocessor	Intel	√						√			√								
		H30466A-21	Microprocessor	Space Electronics Inc.	√						√			√								
		MQ80387-20/B	Math Coprocessor	Intel	√						√			√								
		MQ82380-25B	Integrated Peripheral	Intel	√						√			√								
		M82C59A	Programmable Interupt Controller	Harris	√						√			√								
		D8255A-5	Programmable Peripheral Interface	Intel	√						√			√								
		82C54	Timer	Inte;	√						√			√								
		ICL7662MTV-4	Voltage Converter	Maxim	√						√			√								
		MCH2805S	DC-DC Converter	Interpoint	√										√							
		MDI2680	DC-DC Converter	Modular Devices Inc.	√										√							
		SP9380	18 bit DAC	Sipex	√						√			√								
		QS3384DM	QuickSwitch	Quality Semiconductor Inc.	√									√								
		CD4029	Counter	IM	√						√											
		HSSR-71110	Optocoupled Power MOSFET	Hewlett Packard	√						√			√								
		HX2300	Test Structure	Honeywell	√						√			√								
11, pp. 28-37	R. Pease																					
16, pp. 38-43	G. Youk	AD574	12 bit ADC	Analog Devices	√		√															
3, pp. 44-48	S. Dowling	BCW60AD	Bipolar Transistor		√		√															
		BC847	Bipolar Transistor		√		√															
10, pp. 49-54	A. Nikiforov		Portable Pulse Laser Simulator																	√		
7, pp. 55-61	D. Larsen	HT1104	Operational Amplifier	Honeywell	√		√										√					
		HT1204	Analog Switch	Honeywell	√		√										√					
8, pp. 62-66	S. Liu	Prototype	256k bit SRAM	Honeywell	√		√															
9, pp. 67-72	D. Nichols	IRF440	Power MOSFET	Motorola	√											√						
		EGC2392	Power MOSFET	Phillips	√										√	√						
		IXFM40N25RH	Power MOSFET	IXYS	√										√							
		IXTM35N30	Power MOSFET	IXYS	√										√							
		IXTM21N45	Power MOSFET	IXYS	√										√							
		IXFN21N45RH	Power MOSFET	IXYS	√										√							
		VN88F	Power MOSFET	Siliconix	√										√							
		IRFF130	Power MOSFET	Siliconix	√										√							
		2N6851	Power MOSFET	Siliconix	√										√							
		2N6794	Power MOSFET	Siliconix	√										√							
		2N6802	Power MOSFET	Siliconix	√										√	√						
		VP0610	MOSFET	Siliconix	√										√							
		IRHM7054	Power MOSFET	International Rectifier	√										√	√						
		IRF140	Power MOSFET	International Rectifier	√										√							
		IRF150	Power MOSFET	International Rectifier	√										√							
		IRHF7110	Power MOSFET	International Rectifier	√											√						
		IRF250	Power MOSFET	International Rectifier	√										√							
		IRFM250	Power MOSFET	International Rectifier	√										√							
		IR7250	Power MOSFET	International Rectifier	√											√						
		IRH9250	Power MOSFET	International Rectifier	√										√							
		IRF310	Power MOSFET	International Rectifier	√										√							
		IRF330	Power MOSFET	International Rectifier	√										√							
		IRFF330	Power MOSFET	International Rectifier	√										√							
		IRF340	Power MOSFET	International Rectifier	√										√							
		IRF350	Power MOSFET	International Rectifier	√										√							
		IRF360	Power MOSFET	International Rectifier	√										√							
		IR420	Power MOSFET	International Rectifier	√										√							
		IRF430	Power MOSFET	International Rectifier	√										√							
		IRFF430	Power MOSFET	International Rectifier	√										√							
		IRF440	Power MOSFET	International Rectifier	√										√							
		IRF450	Power MOSFET	International Rectifier	√										√							
		IRFM450	Power MOSFET	International Rectifier	√										√							
		IRH450	Power MOSFET	International Rectifier	√										√							
		IR7450	Power MOSFET	International Rectifier	√											√						
		IRHM7450	Power MOSFET	International Rectifier	√											√						
		IRH7450SE	Power MOSFET	International Rectifier	√											√						
		2N6782	Power MOSFET	Harris	√										√							
		IRF140	Power MOSFET	Harris	√											√						
		FRM140D1	Power MOSFET	Harris	√											√						
		FRM140	Power MOSFET	Harris	√											√						
		IRF150	Power MOSFET	Harris	√										√							
		FSF150R	Power MOSFET	Harris	√											√						
		FRK150R	Power MOSFET	Harris	√											√						
		FRF9250	Power MOSFET	Harris	√											√						
		FRM9250	Power MOSFET	Harris	√											√						
		FRL234R	Power MOSFET	Harris	√											√						
		FRM234	Power MOSFET	Harris	√											√						
		FSL234	Power MOSFET	Harris	√											√						
		TA17663	Power MOSFET	Harris	√										√							
		FSF245R	Power MOSFET	Harris	√											√						
		FSL254	Power MOSFET	Harris	√											√						
		TA17463RH	Power MOSFET	Harris	√										√							
		FRL430D	Power MOSFET	Harris	√											√						
		IRF440	Power MOSFET	Harris	√											√						
		TA17465	Power MOSFET	Harris	√										√							
		TA17665RH	Power MOSFET	Harris	√										√							
12, pp. 73-77	C. Poivey	DP83932CVF	Network Interface Controller	National Semiconductor	√						√			√								
		DP83956AVLJ	Repeater Interface Controller	National Semiconductor	√						√			√								
		DP83950BVQB	Repeater Interface Controller	National Semiconductor	√						√			√								
		DP8392CV	Coaxial Trnsceiver Interface	National Semiconductor	√						√			√								
		AM79C98	Twisted Pair Transceiver	Advanced Micro Devices	√						√			√								
2, pp. 78-83	G. Berger		CYCLONE ion beam properties																	√		
14, pp. 84-87	C. Foster		IUCF proton beam properties																	√		
1, pp. 88-93	C. Barillot		MESFET HAV Process	Triquint	√										√							
			MESFET F20 Process	GEC-Marconi	√										√							
			Heterojunction FET Process	Texsas Instruments	√										√							
			p-HEMT MMC046A Process	Raytheon	√										√							
13, pp. 94-102	K. Ray		Various Solar Cells			√												√				

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.