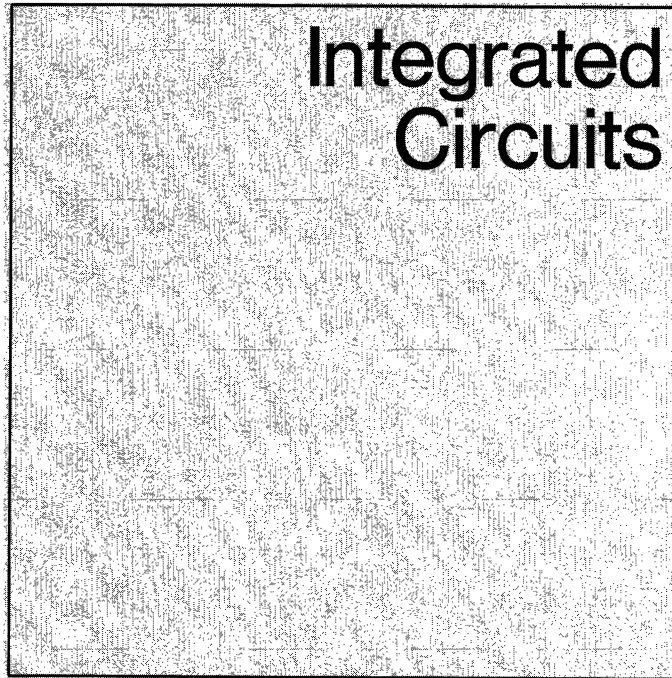


Integrated Circuits



INTEGRATED CIRCUITS NUMERICAL INDEX

Device Part Number	Function	Family	Page Number	Device Part Number	Function	Family	Page Number
μA702A	High Gain, Wideband DC Amp.	Linear	6-5	9000	Clock-Gated JK Flip-Flop	TTμL	3-33, 3-45
μA702B	High Gain, Wideband DC Amp.	Linear	6-10	9001	Clock-Gated JK Flip-Flop	TTμL	3-33, 3-45
μA702C	High Gain, Wideband DC Amp.	Linear	6-15	9002	Quad 2 Input Gate	TTμL	3-33, 3-45
μA703	RF-IF Amplifier	Linear	6-20	9003	Triple 3 Input Gate	TTμL	3-33, 3-45
μA703C	RF-IF Amplifier	Linear	6-24	9004	Dual 4 Input Gate	TTμL	3-33, 3-45
μA703E	RF-IF Amplifier	Linear	6-26	9005	Dual AND/OR/NOR Gate	TTμL	3-33, 3-45
μA709	High Performance Operational Amplifier	Linear	6-30	9006	Dual 4 Input Extender	TTμL	3-33, 3-45
μA709A	High Performance Operational Amplifier	Linear	6-34	9007	8 Input Gate	TTμL	3-33, 3-45
μA709B	High Performance Operational Amplifier	Linear	6-38	9008	Quad 2 Input AND/NOR Gate	TTμL	3-33, 3-45
μA709C	High Performance Operational Amplifier	Linear	6-40	9009	Dual 4 Input Buffer	TTμL	3-33, 3-45
μA710	High-Speed Differential Comparator	Linear	6-42	9016	TTL Hex Inverter	TTμL	3-53
μA710B	High-Speed Differential Comparator	Linear	6-46	9020	Dual JKK Flip-Flop	TTμL	3-55, 3-45
μA710C	High-Speed Differential Comparator	Linear	6-50	9021	Dual JKK Flip-Flop	TTμL	3-45
μA711	Dual Comparator	Linear	6-54	9022	Dual JK Flip-Flop	TTμL	3-59
μA711C	Dual Comparator	Linear	6-58	9030	8 Bit Memory Cell	CTμL	4-123
μA716	Fixed Gain, Low Distortion Amplifier	Linear	6-60	9033	16 Bit Memory Cell	CCSL	3-62a
μA716C	Fixed Gain, Low Distortion Amplifier	Linear	6-64	9034	256 Bit Read Only Memory	CCSL	3-62e
μA719	High Gain RF Amplifier/FM Detector	Linear	6-68	9040	Clocked Flip-Flop	LPDTμL	3-45, 3-63
μA722	10 Bit Current Source	Linear	6-74	9041	Dual 3 Input NAND Gates	LPDTμL	3-45, 3-63
μA722B	10 Bit Current Source	Linear	6-78	9042	Dual 3 Input NAND Gates	LPDTμL	3-45, 3-63
μA726	Temperature-Controlled Differential Pair	Linear	6-82	9043	3 & 4 Input NAND Gates w/Extender	LPDTμL	3-45
μA726C	Temperature-Controlled Differential Pair	Linear	6-84	9044	Dual 4 Input NAND Gates w/Extender	LPDTμL	3-45
μA727	Temperature-Controlled Differential Amplifier	Linear	6-86	9046	Quad 2 Input NAND Gate	LPDTμL	3-45
μA727B	Temperature-Controlled Differential Amplifier	Linear	6-90	9047	Triple 3 Input NAND Gate	LPDTμL	3-45
μA730	Differential Amplifier	Linear	6-92	9093	Dual Flip-Flop	DTμL	3-45, 3-69
μA730C	Differential Amplifier	Linear	6-96	9094	Dual Flip-Flop	DTμL	3-45, 3-69
μA741	Frequency Compensated Operational Amplifier	Linear	6-100	9097	Dual Flip-Flop	DTμL	3-45, 3-69
μA741C	High Performance Operational Amplifier	Linear	6-102	9099	Dual Flip-Flop	DTμL	3-45, 3-69
930	Dual Gate	DTμL	3-5	9109	High Voltage Hex Inverter	DTμL	3-71
931	Clocked Flip-Flop	DTμL	3-5, 3-13	9110	High Voltage Hex Inverter	HLLDTμL	3-71
932	Dual Buffer	DTμL	3-5, 3-21	9111	Parallel-Gated Clocked Flip-Flop	DTμL	3-45, 3-77
933	Dual Extender	DTμL	3-5, 3-25	9112	High Voltage Hex Inverter	HLLDTμL	3-71
944	Dual Power Gate	DTμL	3-5, 3-21	9300	MSI 4 Bit Universal Register	MSI	3-81
3100	5 Input Gate	MOS	7-4	9301	MSI One of Ten Decoder	MSI	3-87
3101	Dual JK Flip-Flop	MOS	7-6	9302	Dual Full Adder	MSI	3-45
3102	3 Input Gate	MOS	7-8	9304	MSI Dual Full Adder	MSI	3-92
3300	25 Bit MOS Static Shift Register	MOS	7-12	9307	MSI 7 Segment Decoder	MSI	3-98
3303	MOS Dual 25 Bit Dynamic Shift Register	MOS	7-14	9308	MSI Dual 4 Bit Latch	MSI	3-103
3304	Dual 16 Bit Static Shift Register	MOS	7-16	9309	MSI Dual 4 Input Multiplexer	MSI	3-107
3320	64 Bit-40 Shift Register	MOS	7-18	9601	Retriggerable Monostable Multivibrator	TTμL	3-111
3501	1024 Bit MOS/LSI Static Read Only Memory	MOS	7-22	9620	Dual Differential Line Receiver	Custom	4-3
3700	MOS Monolithic 4 Channel Switch	MOS	7-26	9621	Dual Line Driver	Custom	4-6
3701	MOS Monolithic 6 Channel Switch	MOS	7-30	9624	Dual CCSL To MOS Interface Gate	Custom	4-10
3705	8 Channel MOS Multiplex Switch	MOS	7-32	9625	Dual MOS To CCSL Level Converter	Custom	4-10
3750	10 Bit MOS/LSI D/A Converter	MOS	7-36	9900	Medium Power Buffer	RTμL	4-16
3751	12 Bit A/D Converter	MOS	7-40	9903	Medium Power 3 Input Gate	RTμL	4-16
3800	8 Bit MOS/LSI Parallel Accumulator	MOS	7-41	9904	Medium Power Half Adder	RTμL	4-16
3801	10-Bit Serial/Parallel-Parallel/Serial Converter	MOS	7-47	9905	Medium Power Half Shift Register	RTμL	4-16
4501	CCSL Micromatrix Quarter-Cell	MSI	3-27	9907	Medium Power 4 Input Gate	RTμL	4-16
4510	CCSL Micromatrix Dual 4 Bit Comparator	MSI	3-29	9908	Low Power Adder	LPRTμL	4-16, 4-38
				9909	Low Power Buffer	LPRTμL	4-16, 4-38
				9910	Low Power Dual Gate	LPRTμL	4-16, 4-38
				9911	Low Power Dual Gate w/Inverter	LPRTμL	4-16, 4-38
				9912	Low Power Half Adder	LPRTμL	4-16, 4-38
				9913	Low Power Type D Flip-Flop	LPRTμL	4-16, 4-38
				9914	Medium Power Dual 2 Input Gate	RTμL	4-16
				9915	Medium Power Dual 3 Input Gate	RTμL	4-16
				9921	Low Power Gate Expander	LPRTμL	4-16, 4-38
				9923	Medium Power JK Flip-Flop	RTμL	4-16
				9926	Medium Power JK Flip-Flop	RTμL	4-16, 4-56
				9927	Medium Power Quad Inverter	RTμL	4-16, 4-62
				9930	Dual 4 Input Gate	DTμL	3-115, 3-45

INTEGRATED CIRCUITS NUMERICAL INDEX

Device Part Number	Function	Family	Page Number
9931	Clock-Gated Flip-Flop	DT μ L	3-45
9932	Dual 4 Input Buffer	DT μ L	3-115, 3-45
9933	Dual 4 Input Extender	DT μ L	3-45, 3-115
9935	Hex Inverter	DTL	3-45, 3-123
9936	Hex Inverter	DTL	3-45
9937	Hex Inverter	DTL	3-45
9941	Monostable Multivibrator	DT μ L	3-45, 3-127
9944	Dual 4 Input Power Gate	DT μ L	3-45, 3-115
9945	Clock-Gated Flip-Flop	DT μ L	3-115, 3-45
9946	Quad 2 Input Gate	DT μ L	3-115, 3-45
9948	Clock-Gated Flip-Flop	DT μ L	3-115, 3-45
9949	Quad 2 Input Gate	DT μ L	3-115, 3-45
9950	High Speed Gated Flip-Flop	DT μ L	3-45
9951	2 Input Monostable Multivibrator	DT μ L	3-115, 3-45, 3-127
9952	Dual 2 Input NOR Gate	CT μ L	4-64
9953	AND/OR Gate	CT μ L	4-68
9954	AND/OR Gate	CT μ L	4-68
9955	AND/OR Gate	CT μ L	4-68
9956	Dual 2 Input Buffer	CT μ L	4-74
9957	Flip-Flop	CT μ L	4-78
9958	Decade Counter	C μ L	4-88
9959	Buffer-Storage Element	C μ L	4-92
9960	Decimal Decoder/Driver	C μ L	4-96
9961	Dual 4-Input Gate w/Extender	DT μ L	3-115, 3-45
9962	Triple 3 Input Gate	DT μ L	3-115, 3-45
9963	Triple 3 Input Gate	DT μ L	3-115, 3-45
9964	AND/OR Gate	CT μ L	4-68
9965	AND/OR Gate	CT μ L	4-68
9966	AND/OR Gate	CT μ L	4-68
9967	Flip-Flop	CT μ L	4-78
9971	AND/OR Gate	CT μ L	4-68
9972	AND/OR Gate	CT μ L	4-68
9989	4 Bit Binary Counter	C μ L	4-99
9997	4 Bit Shift Register	RT μ L	4-121

Device Part Number	Function	Family	Page Number
SH2001	High Voltage, High Current Driver	Hybrid	5-3
SH2002	DT μ L High Power Driver	Hybrid	5-7
SH2002-P	DT μ L High Power Driver	Hybrid	5-11
SH2100	High Current Driver	Hybrid	5-15
SH2101	High Voltage Driver	Hybrid	5-19
SH3000	High Impedance, Wideband DC Amplifier	Hybrid	5-23
SH3001	Analog Switch	Hybrid	5-25
SH3002	SPDT Analog Switch	Hybrid	5-27
SH3005	High Impedance Differential Comparator	Hybrid	5-29
SH3200	Adjustable Positive DC Voltage Regulator	Hybrid	5-33
SH3201	Adjustable Negative DC Voltage Regulator	Hybrid	5-35

ADDITIONAL INTEGRATED CIRCUITS

Device Part Number	Function	Family	Page Number
4601	Micromatrix™ Array Internal Quarter-Cell	TTL	3-32a
4610	Dual Two-Variable Function Generator	TTL	3-32e
9306	MSI Up/Down BCD Counter	CCSL	3-97a
9312	MSI 8-Input Multiplexer	TTL	3-110a
9622	Dual Line Receiver	CCSL	3-114a
μ A717E	Multi-Purpose Amplifier	Linear	6-67a
μ A719C	High Gain RF Amplifier/ FM Detector	Linear	6-73a
μ A723C	Precision Voltage Regulator	Linear	6-81a
μ A737E	Color TV Chroma Demodulator	Linear	6-99a
9035	64-Bit Read/Write Memory Cell	CCSL	3-62k