

Comparators & Operational Amplifiers									
Cross Reference	Parts number	Description	V _{CC} , V	V ₁₀ , mB	I _{CC} , mA	I _{IO} , nA	I _{IB} , nA	Type	Recommended package
LM324	SI-LM324	Quadruple operational amplifier	±15	7	3	150	500	Quadruple	DIP-8; SO-8
LM358	SI-LM358	Dual operational amplifier	±18	7	2	150	500	Dual	DIP-8; SO-8
LM4558	SI-LM4558	High performance wide-band dual operational amplifier	±22	5	5	160	480	Dual	DIP-16; SO-16; TSSOP-16
OP07	SI-OP07	Precision operational amplifier	±22	0.015	4	6	7	Single	DIP-8; SO-8
LM339	SI-LM339	Quadruple Differential comparator	±15	5	2,5	50	250	Quadruple	DIP-14; SO-14; TSSOP-14
LM393	SI-LM393	Dual differential comparator	±15	5	2,5	50	250	Dual	DIP-14; SO-14; TSSOP-14

Interface Transceivers						
Cross Reference	Parts number	Description	V _{CC} , V	Max data rate Mbps	ESD kV HBM	Recommended package
MAX485E	SI-MAX485	Half-duplex RS-485 Transceiver	5	5	±15	DIP-8;
SP3485	SI-LM3485	RS-485 low power 3V transceiver	3	10	±15	DIP-8;
MAX3232	SI-MAX3232	RS-232 transceiver	3	0.12	±15	DIP-16;

Standard Logic							
Cross Reference	Parts number	Description	V _{CC} , V	Delay, ns	Load current	Quiescent current	Recommended package
74HC00	SI74HC00	Quad 2-input NAND gate	2-6	20	4mA	20uA	PDIP-14;
74HC04	SI74HC04	Hex inverter	2-6	20	4mA	20uA	PDIP-18;
74HC14	SI74HC14	Hex Schmitt-trigger inverter	2-6	26	4mA	20uA	PDIP-14;

Bipolar LDO Voltage Regulators								
Cross Reference	Parts number	Description	I _{OUT} (A)	Dropout voltage, V	V _{IN} , V	V _{OUT} , V	Operating temperature, °C	Recommended package
LP2950	SI-LP2950/51	Fast turn-on LDO voltage regulator	0.1	0.48	30	1.5-5.0	-40 +125	TO-92, SO-8
LP2950	SI-LP2905L	OVP LDO voltage regulator	0.05	0.5	-12~+30	3,5	-40 +125	TO-92
MIC5213	SI-LP5213M	Low dropout voltage regulator	0.08	0.3	-20~ +16	2.5~5.0	-40 +125	SC-70-5
LP2950	SI-LP2950K/51K LP2950K	Low dropout voltage regulator	0.1	0.38	30	1.5~5.0	-40 +125	TO-92
LP2985	SI-LP2985	Low dropout voltage regulator	0.15	0.2	16	2.5~6.1	-40 +125	SOT-23-5
L48XX	SI-L48XX	Low dropout voltage regulator	0.4	0.42	-20~ +26	2.0~15	-55 +125	TO-220
SI-TLE4275	SI4275F	Low dropout voltage regulator	0.45	0.3	-42÷+45	5	-40 +150	TO-220, TO-263, TO-252
LT1117	SI-LM1117	Low dropout positive voltage regulator	1.00	1,2	20	1.2~5.0, Adj	-40 +125	SOT-223, TO-252, TO-220, TO-263, SOT-89
LM317	SI-LM317	Adjustable voltage regulator	1.50	2.0	40	1.2~ 37	-40 +125	TO-220
LT1085	SI-LM1085	Low dropout positive voltage regulator	3.0	1.30	2.5 ~ 15	1.5~ 5.0; Adj	-40 +125	TO-220, TO-263, TO-252
	SI-LM78x.x	Positive Voltage Regulator	1.50	2.0	7.0 ~ 40.0	5	-40 +125	TO-220