

Analog ICs Available in Lab

Part No	Function	Comment
<u>ADG 419</u>	1xSPDT Analog Switch	
<u>MAX</u> <u>4664/4666</u>	4xSPST Analog Switch	Put diodes in series with V+ and V- supply connections: see datasheet
<u>IH 6208</u>	2x4-ch Analog Multiplexer	2-bit selector input
<u>IH 6108</u>	8-ch Analog Multiplexer	3-bit selector input
<u>MUX 08</u>	8-ch Analog Multiplexer	3-bit selector input
<u>ULN 2003A</u>	8-ch NPN Switch Array	500mA, 50V drive
<u>LM 311</u>	Comparator	Very flexible, works well with TTL
<u>LM 393</u>	Comparator (dual)	wired like dual op-amp
<u>LT 1010</u>	G=1 Power Buffer	150mA output
<u>AD 521</u>	Instrumentation Amp	Oldie, but goodie
<u>AD 620A</u>	Instrumentation Amp	Good, general purpose
<u>AD 624</u>	Instrumentation Amp	Very precise, sensitive
<u>AD 625</u>	Instrumentation Amp	Very precise, sensitive
<u>AD 633</u>	Multiplier	Good, general puprose
<u>AD 827</u>	OpAmp (dual)	50MHz, 300V/usec, 30mA
<u>OP 275</u>	OpAmp (dual)	9MHz Gbw, 22V/usec
<u>OP 297</u>	OpAmp (dual)	Low offset, high gain, low power
<u>TL 082</u>	OpAmp (dual)	3MHz Gbw, 13V/usec
<u>LT 1058</u>	OpAmp (quad)	Low offset voltage
<u>LT 1079</u>	OpAmp (quad)	Works with +5V power
<u>TL 084</u>	OpAmp (quad)	Quad ver of TL082
<u>AD 711</u>	OpAmp (single)	Similar to TL081
<u>AD 797</u>	OpAmp (single)	Low noise, 110MHz Gbw, 50mA out
<u>AD 820</u>	OpAmp (single)	Works with +5V power
<u>LF 356</u>	OpAmp (single)	Similar to TL081
<u>LF 357</u>	OpAmp (single)	Must have G > 5, 20MHz Gbw
<u>LM 741</u>	OpAmp (single)	One of the oldest
<u>LT 1001</u>	OpAmp (single)	Slow; very low offset voltage
<u>OP 27</u>	OpAmp (single)	Low noise, high gain, 9Mhz
<u>OP 37</u>	OpAmp (single)	Must have G > 5, 63MHz Gbw
<u>TL 081</u>	OpAmp (single)	Single ver of TL082
<u>CD 4046B</u>	Phase-locked Loop	CMOS
<u>LM 1921</u>	PNP Switch	1A, 60V inductive load driver
<u>LM 1951</u>	PNP Switch	1A, 85V inductive load driver
<u>PGA 204</u>	Programmable Inst. Amp	G=1,10,100,1000; 1MHz Gbw
<u>PGA 205</u>	Programmable Inst. Amp	G=1,2,4,8; 1MHz Gbw
<u>UAF 41</u>	State-variable filter	Matched 1.0nF capacitors
<u>UAF 42</u>	State-variable filter	Matched 1.0nF capacitors
<u>LM 35</u>	Temperature Sensor	Expensive but accurate
<u>NE/LM 555</u>	Timer	100+mA from Hi output
<u>TLC 555</u>	Timer	100mA into Low output