

## Motorola Bipolar Integrated Circuits Group

### Types of Linear IC's Available in SOIC Packages

The table below lists those Linear IC devices that will form the core of our initial introduction lineup. All current and future Linear IC products are potential candidates for the SOIC package as long as their chip size fits the die-bond area (flag) of the package and their power dissipation is within the package range.

Device	Package	Function
LF347D	SO-14	Family of BIFET Operational Amplifiers
LF351D	SO-8	Family of BIFET Operational Amplifiers
LF353D	SO-8	Family of BIFET Operational Amplifiers
LM201AD	SO-8	General Purpose Adjustable Operational Amplifier
LM208D,AD	SO-8	Precision Operational Amplifiers
LM211D	SO-8	High Performance Voltage Comparator
LM224D	SO-14	Quad Low-Power Operational Amplifiers
LM239D	SO-14	Quad Single-Supply Comparators
LM258D	SO-8	Dual Lower-Power Operational Amplifier
LM293D	SO-8	Dual Comparators
LM301AD	SO-8	General Purpose Adjustable Operational Amplifier
LM308D,AD	SO-8	Precision Operational Amplifier
LM311D	SO-8	High Performance Voltage Comparator
LM317LD	SO-8	Low-Current 3-Terminal Adjustable Positive Voltage Regulator
LM324D,AD	SO-14	Quad Low-Power Operational Amplifier
LM339D	SO-14	Quad Single-supply Comparators
LM348D	SO-14	Quad MC1741 Operational Amplifier
LM358D	SO-8	Dual Low-Power Operational Amplifier
LM385D-1.2	SO-8	Micropower Voltage Reference Diodes
LM385D-2.5	SO-8	Micropower Voltage Reference Diodes
LM393D	SO-8	Dual Comparators
LM2901D	SO-14	Quad Single-Supply Comparators
LM2902D	SO-14	Quad Low-Power Operational Amplifier
LM2903D	SO-8	Dual Comparators
LM2904D	SO-8	Dual Low-Power Operational Amplifier
MC1350D/TYA1350D	SO-8	IF Amplifier
MC1403D	SO-8	Precision Low-Voltage Reference
MC1436D,CD	SO-8	High Voltage Operational Amplifier
MC1455D	SO-8	Timing Circuit
MC1458D,CD	SO-8	Dual Operational Amplifier
MC1458SD	SO-8	High-Slew-Rate Dual Operational Amplifier
MC1496D	SO-14	Balanced Modulator-Demodulator
MC1723CD	SO-14	Adjustable Positive Or Negative Voltage Regulator
MC1733CD	SO-14	Differential Video Amplifier
MC3346D	SO-14	General Purpose Transistor Array
MC1741CD	SO-8	General-Purpose Operational Amplifier
MC1741SCD	SO-8	High-Slew-Rate Amplifier
MC1747CD	SO-14	Dual MC1741 Operational Amplifier
MC1776CD	SO-8	Programmable Operational Amplifier
MC13062D	SO-16	VHF FM Tuner
MC3357D	SO-16	Low-Power FM IF Amplifier
MC3359FN	PLCC-20	High Gain, Low-Power FM IF Amplifier
MC3361D	SO-16	Low-Power FM IF Amplifier
MC2831AD	SO-16	Low Power FM Transmitter
MC13055D	SO-16	LAN Receiver
MC3401D	SO-14	Quad Operational Amplifier
MC3403D	SO-14	Quad Differential-Input Operational Amplifier
MC3423D	SO-8	Overvoltage Sensing Circuit
MC3456D	SO-14	Dual Timing Circuit
MC3458D	SO-8	Dual-Low Power Operational Amplifier
MC3470FN	PLCC-20	Floppy Disk Read Amplifier System
MC3471FN	PLCC-20	Floppy Disk Write Controller Head Driver Amplifier
MC4558CD	SO-8	Dual High-Frequency Operational Amplifier
MC4741CD	SO-14	Quad MC1741 Operational Amplifier
MC33171D	SO-8	Low-Power, Single Supply Operational Amplifiers
MC33172D	SO-8	Low-Power, Single Supply Operational Amplifiers
MC33174D	SO-8	Low-Power, Single Supply Operational Amplifiers
MC340010,AD,BD	SO-8	Single JFET Input Operational Amplifier
MC34002D,AD,BD	SO-8	Dual JFET Input Operational Amplifier
MC34004D,BD	SO-14	Quad JFET Input Operational Amplifier
MC34010AFN	PLCC-44	Electronic Telephone Circuit
MC34011AFN	PLCC-44	Electronic Telephone Circuit
MC34012-1D	SO-8	Telephone Tone Ringer
MC34012-2D	SO-8	Telephone Tone Ringer

## SURFACE MOUNT PRODUCTS (continued)

### Linear and Interface

All the major bipolar analog families are now represented in surface mount packaging. Standard SOIC and PLCC packages are augmented by SO-8 (SOP-8, SOIC Power) and DPAK for Linear regulators. In addition, tape

and reel shipping to the updated RS481A is now on line for the industries' largest array of op-amps, regulators, interface, data conversion, consumer, telecom and automotive Linear ICs.

Device	Package	Function
LF347D	SO-14	Family of BIFET Operational Amplifiers
LF351D	SO-8	Family of BIFET Operational Amplifiers
LF353D	SO-8	Family of BIFET Operational Amplifiers
DAC-08CD,ED	SO-16	High-Speed 8-Bit Multiplying D-to-A Converter
LM11CD,CLD	SO-8	Precision Operational Amplifiers
LM201AD	SO-8	General Purpose Adjustable Operational Amplifier
LM208D,AD	SO-8	Precision Operational Amplifiers
LM211D	SO-8	High Performance Voltage Comparator
LM224D	SO-14	Quad Low-Power Operational Amplifiers
LM239D	SO-14	Quad Single-Supply Comparators
LM258D	SO-8	Dual Low-Power Operational Amplifier
LM293D	SO-8	Dual Comparators
LM301AD	SO-8	General Purpose Adjustable Operational Amplifier
LM308D,AD	SO-8	Precision Operational Amplifier
LM311D	SO-8	High Performance Voltage Comparator
LM317LD	SO-8	Low-Current 3-Terminal Adjustable Positive Voltage Regulator
LM324D,AD	SO-14	Quad Low-Power Operational Amplifier
LM339D	SO-14	Quad Single-Supply Comparators
LM348D	SO-14	Quad MC1741 Operational Amplifier
LM358D	SO-8	Dual Low-Power Operational Amplifier
LM385D-1.2-	SO-8	Micropower Voltage Reference Diodes
LM385D-2.5	SO-8	Micropower Voltage Reference Diodes
LM393D	SO-8	Dual Comparators
LM2901D	SO-14	Quad Single-Supply Comparators
LM2902D	SO-14	Quad Low-Power Operational Amplifier
LM2903D	SO-8	Dual Comparators
LM2904D	SO-8	Dual Low-Power Operational Amplifier
LM3900D	SO-14	Quad Single-Supply Operational Amplifier
MC1350D	SO-8	IF Amplifier
MC1377FN	PLCC-20	Color Television RGB to PAL/NTSC Encoder
MC1403D	SO-8	Precision Low-Voltage Reference
MC1408-D7	SO-16	8-Bit Multiplying Digital To Analog Converter
MC1408-D8	SO-16	8-Bit Multiplying Digital To Analog Converter
MC1436D,CD	SO-8	High Voltage Operational Amplifier
MC1455D	SO-8	Timing Circuit
MC1458D,CD	SO-8	Dual Operational Amplifier
MC1458SD	SO-8	High-Slew-Rate Dual Operational Amplifier
MC1496D	SO-14	Balanced Modulator-Demodulator
MC1723CD	SO-14	Adjustable Positive Or Negative Voltage Regulator
MC1733CD	SO-14	Differential Video Amplifier
MC1741CD	SO-8	General-Purpose Operational Amplifier
MC1741SCD	SO-8	High-Slew-Rate Operational Amplifier
MC1747CD	SO-14	Dual MC1741 Operational Amplifier
MC1776CD	SO-8	Programmable Operational Amplifier
MC3346D	SO-14	General-Purpose Transistor Array
MC3357D	SO-16	Low-Power FM IF Amplifier
MC3359FN	PLCC-20	Low-Power Narrow-Band FM IF Amplifier
MC3361D	SO-16	Low-Voltage Narrow-Band FM IF Amplifier
MC3386D	SO-14	General-Purpose Transistor Array
MC3401D	SO-14	Quad Operational Amplifier