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 dissapation is within the package range.

| LF347D LF351D LF353D LM201AD LM208D,AD LM211D LM224D LM239D LM258D LM293D LM301AD LM308D,AD LM317LD LM317LD | SO-14 SO-8 SO-8 SO-8 SO-8 SO-14 SO-14 SO-8 SO-8 SO-8 SO-8 SO-8 SO-8 SO-14 SO-14 | Family of BIFET Operational Amplifiers Family of BIFET Operational Amplifiers Family of BIFET Operational Amplifiers General Purpose Adjustable Operational Amplifier Precision Operational Amplifiers High Performance Voltage Comparator Quad Low-Power Operational Amplifiers Quad Single-Supply Comparators Dual Lower-Power Operational Amplifier Dual Comparators General Purpose Adjustable Operational Amplifier Precision Operational Amplifier High Performance Voltage Comparator Low-Current 3-Terminal Adjustable Positive Voltage Regulator |
|--|---|---|
| LM208D,AD LM211D LM224D LM239D LM258D LM293D LM301AD LM308D,AD LM311D LM317LD | SO-8 SO-14 SO-14 SO-8 SO-8 SO-8 SO-8 SO-8 SO-8 SO-8 | Precision Operational Amplifiers High Performance Voltage Comparator Quad Low-Power Operational Amplifiers Quad Single-Supply Comparators Dual Lower-Power Operational Amplifier Dual Comparators General Purpose Adjustable Operational Amplifier Precision Operational Amplifier High Performance Voltage Comparator |
| LM293D LM301AD LM308D,AD LM311D LM317LD | SO-8 SO-8 SO-8 SO-8 SO-14 | Dual Comparators General Purpose Adjustable Operational Amplifier Precision Operational Amplifier High Performance Voltage Comparator |
| LM324D,AD LM339D LM348D LM358D | SO-14 SO-8 | Quad Low-Power Operational Amplifier Quad Single-supply Comparators Quad MC1741 Operational Amplifier Dual Low-Power Operational Amplifier |
| LM385D-1.2 LM385D-2.5 LM393D LM2901D LM2902D LM2903D LM2904D | SO-8 SO-8 SO-8 SO-14 SO-14 SO-8 SO-8 | Micropower Voltage Reference Diodes Micropower Voltage Reference Diodes Dual Comparators Quad Single-Supply Comparators Quad Low-Power Operational Amplifier Dual Comparators Dual Low-Power Operational Amplifier |
| MC1350D/TYA1350D MC1403D MC1436D,CD MC1455D MC1458D,CD | SO-8 SO-8 SO-8 SO-8 SO-8 | IF Amplifier Precision Low-Voltage Reference High Voltage Operational Amplifier Timing Circuit Dual Operational Amplifier |
| MC1458SD MC1496D MC1723CD MC1733CD | SO-8 SO-14 SO-14 SO-14 SO-14 | High-Slew-Rate Dual Operational Amplifier Balanced Modulator-Demodulator Adjustable Positive Or Negative Voltage Regulator Differential Video Amplifier General Purpose Transistor Array |
| MC3346D MC1741CD MC1741SCD MC1747CD MC1776CD | SO-14 SO-8 SO-14 SO-8 | General-Purpose Transision Array General-Purpose Operational Amplifier High-Slew-Rate Amplifier Dual MC1741 Operational Amplifier Programmable Operational Amplifier |
| MC13062D MC3357D MC3359FN MC3361D | SO-16 SO-16 PLCC-20 SO-16 | VHF FM Tuner Low-Power FM IF Amplifier High Gain, Low-Power FM IF Amplifier Low-Power FM IF Amplifier |
| MC2831AD MC13055D MC3401D MC3403D MC3423D | SO-16 SO-16 SO-14 SO-14 SO-8 | Low Power FM Transmitter LAN Receiver Quad Operational Amplifier Quad Differential-Input Operational Amplifier Overvoltage Sensing Circuit |
| MC3456D MC3458D MC3470FN MC3471FN MC4558CD | SO-14 SO-8 PLCC-20 PLCC-20 SO-8 | Dual Timing Circuit Dual-Low Power Operational Amplifier Floppy Disk Read Amplifier System Floppy Disk Write Controller Head Driver Amplifier Dual High-Frequency Operational Amplifier |
| MC4741CD MC33171D MC33172D MC33174D MC340010,AD,BD | SO-14 SO-8 SO-8 SO-8 SO-8 | Quad MC1741 Operational Amplifier Low-Power, Single Supply Operational Amplifiers Low-Power, Single Supply Operational Amplifiers Low-Power, Single Supply Operational Amplifiers Single JFET Input Operational Amplifier |
| MC34002D,AD,BD MC34004D,BD MC34010AFN MC34011AFN MC34012-1D | SO-8 SO-14 PLCC-44 PLCC-44 SO-8 | Dual JFET Input Operational Amplifier Quad JFET Input Operational Amplifier Electronic Telephone Circuit Electronic Telephone Circuit 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 |
| | SO-8 | General Purpose Adjustable Operational Amplifier |
| LM201AD | | Precision Operational Amplifiers |
| LM208D,AD | SO-8 | |
| 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 |
| | SO-14 | Dual Low-Power Operational Amplifier |
| LM358D | 30-6 | Dual Low-Fower Operational Ampliner |
| 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-14 | IF Amplifier |
| MC1377FN | PLCC-20 | Color Television RGB to PAL/NTSC Encoder |
| 101077170 | , 200 20 | |
| 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 |
| MC17A1CD | SO-8 | General-Purpose Operational Amplifier |
| MC1741CD | | |
| 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 |