Introduction

Linear Technology Corporation (LTC) was founded in 1981 to address the growing demand for high performance and superior quality linear integrated circuits.

Today, LTC has successfully established a leadership position by introducing and supplying leading edge products in each of the industry's basic functional groups— op amps, comparators, voltage regulators, references, switched-capacitor filters, interface, data conversion, and a variety of special function CMOS devices, in all major package styles.

Early on, LTC made the commitment to provide advanced technology, *surface mount packaging.* This made Linear Technology the first company to offer true precision and high performance linear devices across the full range of functional categories, plus many of the popular second-source devices in JEDEC Standard packages:

SO (0.150) 8, 14, 16

SO (0.300) 16, 18, 20, 24, 28

SSOP (0.150) 16, 20, 24

SSOP (0.209) 16, 20, 24, 28

SSOP (0.300) 36, 44

TSSOP (0.173) 20

The continuing demand for more complete surface mount designs has spurred the introduction of two power surface mount packages by LTC—the 3-lead SOT-223 and the DD package available in 3-, 5- and 7-lead versions. Many LTC power products are now being introduced in these packages which, for the first time, enable high power designs to be realized using 100% surface mount devices. Support for LTC's surface mount devices includes service for tape and reel, antistatic rails, quality and reliability data, and data sheets on each product.

LTC intends to address customer demand for surface mount devices where technology and die sizes permit, making the combination of small package size and high performance linear devices readily available to our users.

This section contains information summarizing LTC's capabilities and services for surface mount packaged products, as well as specific device data sheets.

Package Descriptions

LTC's SO packages conform to Standard JEDEC Small Outline drawings.

In some instances, an LTC product available in an 8-pin standard DIP package is offered in a 16-pin SO package. This covers the situation where the die is too large to be accommodated by the smaller SO-8 package. Although it is preferable for an SO-8 device to have the same pinout as the standard 8-pin dual-in-line version, some devices necessitate a rotation of the die to fit in the SO-8 package. Please refer to the applicable SO device data sheet, or consult with the factory to verify exact pinouts for each device.

Electrical Specifications

Wherever possible, electrical specifications for a surface mount technology (SMT)* device are the same as the plastic molded equivalent. Exceptions to this are identified by the omission of the standard product electrical grade designator from the part number.

For example:

- LT1013DS8 has the same electrical specifications as LT1013DN8, since the "D" is common to both product numbers.
- LT1012S8 has one or more different electrical specifications than LT1012CN8, as the "C" is missing from this product designator suffix.

Please consult the appropriate SMT package data sheet for complete electrical specifications.

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* Terminology: SO = Small Outline, SOT = Small Outline Transistor, SSOP = Shrink Small Outline Package, TSSOP = Thin Shrink Small Outline Package.

LTC package code designators for SMT products are:
F = TSSOP, G = SSOP, GN = Narrow Body SSOP, GW = Wide Body SSOP, M, Q and R = DD Pak, S = Narrow Body SO, SW = Wide Body SO, ST = SOT-223.

Marking

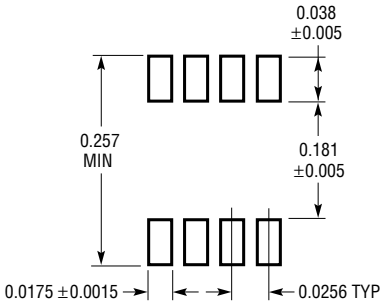
Because of the limited space available for part marking on some SMT packages, abbreviated marking codes are used to identify the device. These codes, if used, are identified in the individual SMT package data sheets.

Lead Finish and Solderability

Lead finish is electroplated, lead-tin, with a low carbon content. Solderability meets the requirements of MIL-STD-883C, Method 2003. Recommended minimum solder pad dimensions are given in Figure 1. (Note: Consideration should be given to your process and power requirements.)

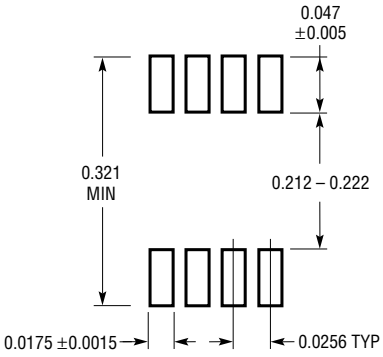
Recommended Solder Pads

F Package (0.173)
TSSOP-20



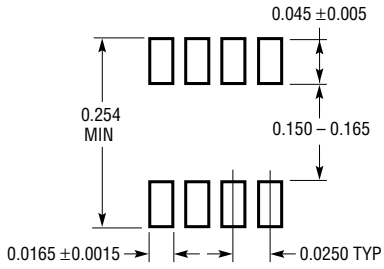
NOTE: ALL DIMENSIONS ARE IN INCHES SMP 08

G Package (0.209)
SSOP-20, SSOP-24, SSOP-28



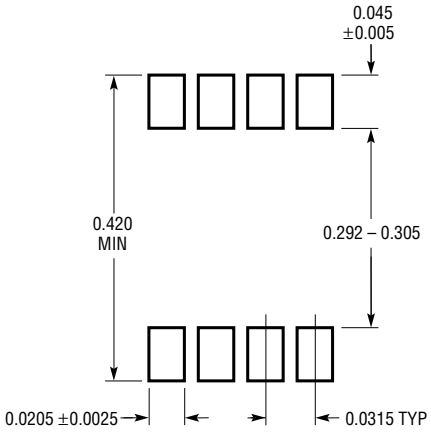
NOTE: ALL DIMENSIONS ARE IN INCHES SMP 07

GN Package Narrow (0.150)
SSOP-16, SSOP-20, SSOP-24



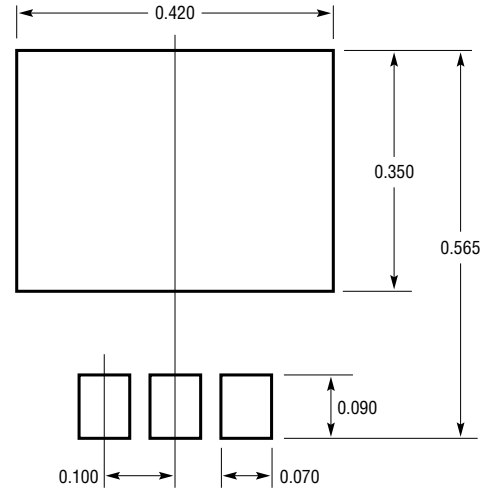
NOTE: ALL DIMENSIONS ARE IN INCHES SMP 08A

GW Package Wide (0.300)
SSOP-36, SSOP-44



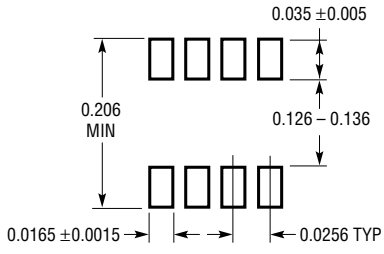
NOTE: ALL DIMENSIONS ARE IN INCHES SMP 22

M Package
3-Lead DD



NOTE: ALL DIMENSIONS ARE IN INCHES SMP 03

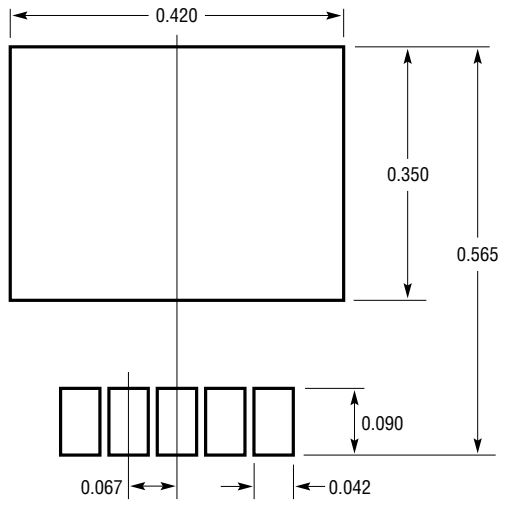
MS Package
8-Lead MSOP



NOTE: ALL DIMENSIONS ARE IN INCHES SMP 23

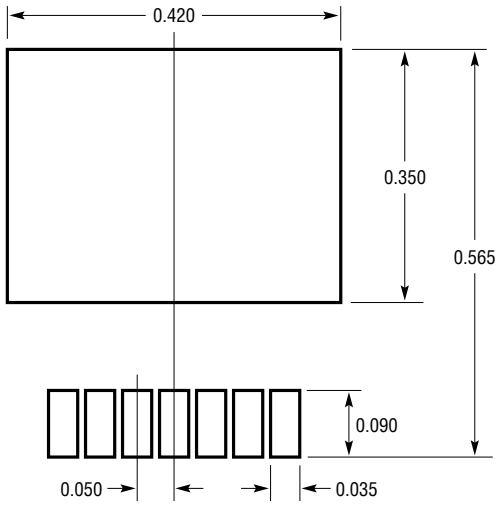
Figure 1. Recommended Solder Pads

Q Package
5-Lead DD



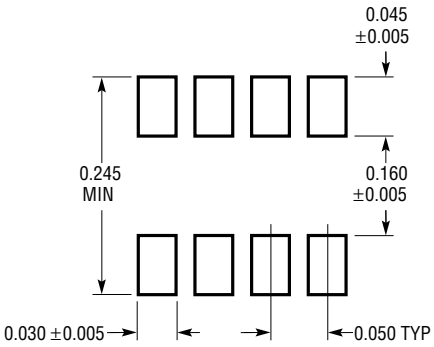
NOTE: ALL DIMENSIONS ARE IN INCHES

R Package
7-Lead DD



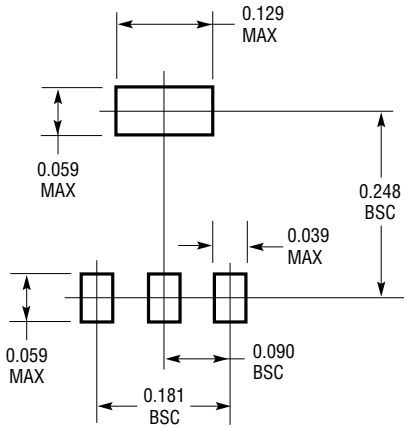
NOTE: ALL DIMENSIONS ARE IN INCHES

S Package (0.150)
SO-8, SO-14, SO-16



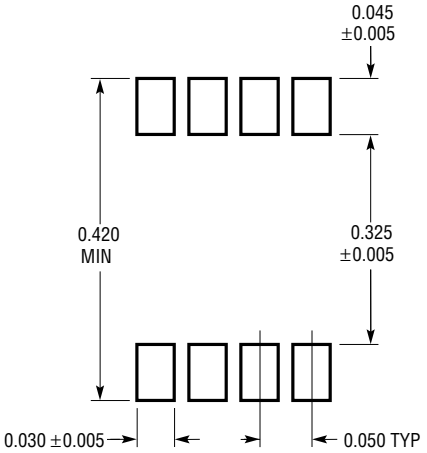
NOTE: ALL DIMENSIONS ARE IN INCHES

ST Package
3-Lead SOT-223



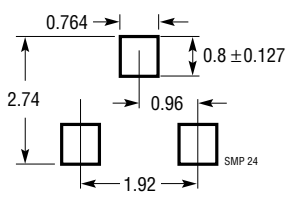
NOTE: ALL DIMENSIONS ARE IN INCHES

SW Package Wide (0.300)
SO-16, SO-18, SO-20, SO-24, SO-28



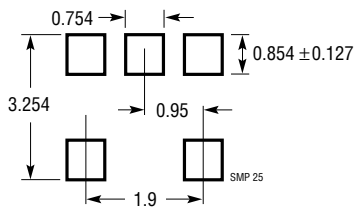
NOTE: ALL DIMENSIONS ARE IN INCHES

S3 Package
3-Lead SOT-23



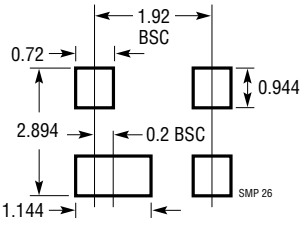
NOTE: ALL DIMENSIONS ARE IN MILLIMETERS

S5 Package
5-Lead SOT-23



NOTE: ALL DIMENSIONS ARE IN MILLIMETERS

S4 Package
4-Lead SOT-143



NOTE: ALL DIMENSIONS ARE IN MILLIMETERS

Figure 1. Recommended Solder Pads (Continued)

Wave and Reflow Soldering

Following are the recommended procedures for soldering surface mount packages to PC boards.

1. Reflow Soldering

- Use of solder plating boards is recommended.
- Screen solder paste on board.
- Mount components on board.
- Infrared or forced hot air convection reflow is recommended for best performance. Parameters:
  - Preheat peak temperature 125°C ±15°C and 2°C to 4°C per second rise
  - Activation temperature 130°C to 150°C
  - Reflow begins at 183°C (63Sn/37Pb)
  - Time above 183°C for 30 seconds
  - Peak package body temperature 220°C to 240°C
  - Dwell time at peak temperature 10 seconds max
  - Cooling rate 2°C to 4°C per second
- Clean boards.
- For Vapor Phase Reflow, recommended parameter ranges for:
  - Heating rate: 4°C per second max
  - Preheat temperature: 45°C to 80°C
  - Time above 200°C: 50 seconds to 90 seconds
  - Peak package temperature: 212°C to 219°C

2. Wave Soldering

- Use solder plating boards.
- Dispense adhesive to hold components on board.
- Place components on board.
- Cure adhesive per adhesive manufacturer's specification.
- Preheat package temperature shall be between 100°C and 130°C.
- Foam flux using RMA (Rosin Mildly Activating) flux.
- Wave solder using a dual wave soldering system at 230°C to 250°C for 2 seconds per wave.
- Clean board.
- **Wave soldering is not recommended for SOT-223 package.**

3. Hand Soldering

- **Hand soldering of packages is not recommended.**

Dry Pack in Moisture Barrier Bags

In the event of a requirement for Dry Pack, LTC employs as a guideline the methods of IPC-SM-786A, Procedures for Characterization of Moisture/Reflow Sensitive ICs.

Thermal Information

Table 1 shows the range of junction-to-ambient thermal resistance of SO devices mounted on a PCB of FR4 material with copper traces, in still air at 25°C. θ_{JA} with a ceramic substrate is about 70% of the FR4 value. Maximum power dissipation may be calculated by the following formula:

$$P_{DMAX}\left(T_A\right) = \frac{T_{JMAX} - T_A}{\theta_{JA}}$$

where,

T_{JMAX} = Maximum operating junction temperature.
T_A = Desired ambient operating temperature.
θ_{JA} = Junction-to-ambient thermal resistance.

Table 1. Typical Thermal Resistance Values

SO-8	150°C/W to 200°C/W	SO-18	70°C/W to 100°C/W
SO-14	100°C/W to 140°C/W	SO-20	70°C/W to 90°C/W
SO-16 (0.150)	90°C/W to 130°C/W	SO-24	60°C/W to 80°C/W
SO-16 (0.300)	85°C/W to 100°C/W	SO-28	55°C/W to 75°C/W

Conditions: PCB mount on FR4 material, still air at 25°C, copper trace.

Thermal resistance for power packages (DD and SOT-223) depends greatly on the individual device type. Please consult the device data sheets for thermal information.

More current data, by device type, may be obtained by contacting LTC, Marketing Department.

Tape and Reel Packing (See Tape and Reel Section)

Plastic Tube Packing

LTC's Surface Mount products are packed in "antistatic" plastic tubes with the tube dimensions indicated in Figure 2. Unit quantities packaged per tube are listed below in Table 2.

Table 2. Devices Per Tube

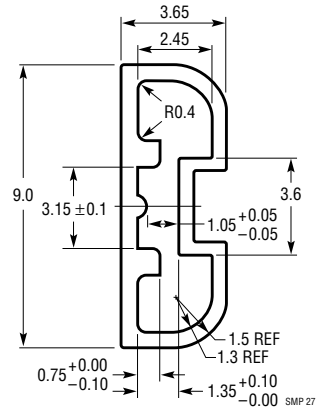
LTC Package Code Designator	LTC Package Style	Actual Lead Count	Number of Units
F	TSSOP (0.173)	20	74
G	SSOP (0.209)	16	77
G	SSOP (0.209)	20	66
G	SSOP (0.209)	24	59

Table 2. Devices Per Tube (continued)

LTC Package Code Designator	LTC Package Style	Actual Lead Count	Number of Units
G	SSOP (0.209)	28	47
GN	SSOP (0.150)	16	100
GN	SSOP (0.150)	20, 24	55
GW	SSOP (0.300)	36	32
GW	SSOP (0.300)	44	27
MS8	MSOP (0.118)	8	50
M, Q, R	DD	3, 5, 7	50
S8	S8 (0.150)	8	100
S	S (0.150)	14	55
S	S (0.150)	16	50
ST	SOT-223	3	78
SW	SW (0.300)	16	47
SW	SW (0.300)	18	40
SW	SW (0.300)	20	38
SW	SW (0.300)	24	32
SW	SW (0.300)	28	27

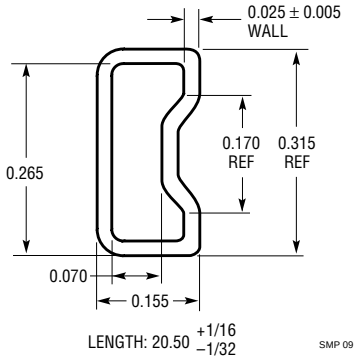
PLASTIC TUBE SPECIFICATIONS

MSOP
MS8 Package Shipping Tube



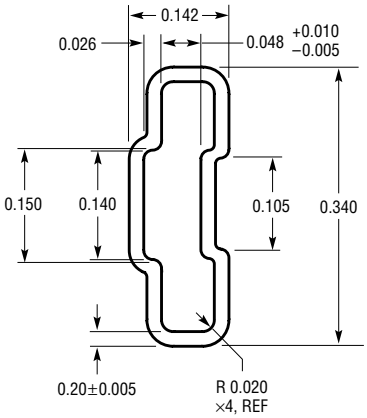
NOTE: ALL DIMENSIONS ARE IN MILLIMETERS
TYP RADIUS: 0.2
MATERIAL THICKNESS: 0.6
MSOP 8LD POLYCARBONATE TUBE TO BE ANTISTATIC COMPLIANT PER LTC SPEC 01-99-0001

S (0.150)
SO Package Shipping Tube



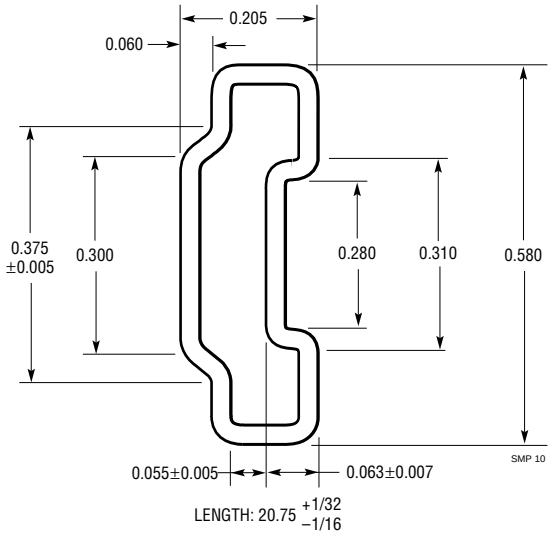
NOTE: ALL DIMENSIONS ARE IN INCHES

ST
SOT-223 Package Shipping Tube



NOTE: ALL DIMENSIONS ARE IN INCHES
SMP 11

SW (0.300)
SO Package Shipping Tube



NOTE: ALL DIMENSIONS ARE IN INCHES, ±0.010 UNLESS OTHERWISE SPECIFIED
MATERIAL: ANITSTATIC TREATED RIGID TRANSPARENT PVC OR RIGID BLACK CONDUCTIVE
PRINTING: "LTC LOGO, LINEAR TECHNOLOGY CORP., ANTISTATIC" ON TOPSIDE OF TUBE

Figure 2

Surface Mount Small Outline (SO), DD and SOT Device Packaging

Linear Technology now offers a continually increasing number of high performance CMOS and bipolar linear devices in surface mount packages. Listed in the next several pages are device types now available in the DD power packages and the JEDEC standard outline packages; SO (Small Outline 0.150 and 0.300 body widths), SSOP (Shrink Small Outline 0.150, 0.209 and 0.300 body widths), TSSOP (Thin Shrink Small Outline 0.173 body width), SOT-23 (Small Outline Transistor) and SOT-223. For pinout configurations and electrical specification limits, consult either your LTC sales representative or the factory.

Surface Mount Packages:	DD	SO	SOT-23	SOT-223	SSOP	TSSOP	MSOP
LTC Package Suffix:	M, Q, R	S8, S, SW	S3, S5	ST	G, GN, GW	F	MS8

PRODUCT		DESCRIPTION
Operational Amplifiers		
LF398	S8	Sample & Hold Amp
LM318	S8	Fast Op Amp
LT1001C	S8	Precision Op Amp
LT1006	S8	Precision Single Supply Op Amp
LT1007C	S8	Low Noise, High Speed, Precision Op Amp
LT1008	S8	Uncompensated, Picoamp Input, Precision Op Amp
LT1012	S8	Picoamp Input Current, Precision Op Amp, C-Load™
LT1013AC	S8	Dual Precision Single Supply Op Amp
LT1013C	S8	Dual Precision Single Supply Op Amp
LT1013D	S8	Dual Precision Single Supply Op Amp
LT1013I	S8	Dual Precision Single Supply Op Amp
LT1014D	SW	Quad Precision Single Supply Op Amp
LT1014I	SW	Quad Precision Single Supply Op Amp
LT1028C	S8	Ultralow Noise Op Amp
LT1037C	S8	Low Noise, High Speed Precision Op Amp
LTC1047C	SW	Dual Micropower Zero-Drift Op Amp w/Internal Caps
LTC1049C	S8	Low Power Zero-Drift Op Amp w/Internal Caps
LTC1050C	S8	Zero-Drift Op Amp w/Internal Caps
LTC1051C	SW	Dual Zero-Drift Op Amp w/Internal Caps
LTC1052C	SW	Low Noise Zero-Drift Op Amp
LTC1053C	SW	Quad Precision Zero-Drift Op Amp w/Internal Caps
LT1055	S8	JFET Input, High Speed, Precision Op Amp
LT1056	S8	JFET Input, High Speed, Precision Op Amp
LT1057	S8	Dual JFET Input, High Speed, Precision Op Amp
LT1057I	S8	Dual JFET Input, High Speed, Precision Op Amp
LT1058	SW	Quad JFET Input, High Speed, Precision Op Amp
LT1058I	SW	Quad JFET Input, High Speed, Precision Op Amp
LT1077C	S8	Precision Micropower Op Amp
LT1077I	S8	Precision Micropower Op Amp
LT1078	S8	Dual Precision Micropower Op Amp
LT1078I	S8	Dual Precision Micropower Op Amp
LT1079	SW	Quad Precision Micropower Op Amp
LT1079I	SW	Quad Precision Micropower Op Amp
LT1097	S8	Low Cost, Low Power, Precision Op Amp
LT1112	S8	Dual Precision Op Amp, C-Load
LT1113C	S8	Dual Low Noise, Precision, JFET Input Op Amp
LT1114	S	Quad Precision Op Amp, C-Load
LT1115C	SW	50MHz, 11V/µs, 1nV/$\sqrt{Hz}$ Audio Op Amp
LT1122C	S8	Fast Settling, JFET Input Op Amp
LT1122D	S8	Fast Settling, JFET Input Op Amp
LT1124C	S8	Dual Low Noise, High Speed, Precision Op Amp
LT1125C	SW	Quad Low Noise, High Speed, Precision Op Amp
LT1126C	S8	Decomp Dual Low Noise, High Speed, Precision Op Amp
LT1127C	SW	Decomp Dual Low Noise, High Speed, Precision Op Amp
LT1128C	S8	Unity-Gain Stable Ultralow Noise Op Amp
LTC1150C	S8	±15V Zero-Drift Op Amp w/Internal Caps
LTC1151C	SW	Dual ±15V Zero-Drift Op Amp
LTC1152C	S8	Rail-to-Rail Input/Output Zero-Drift Op Amp, C-Load
LTC1152I	S8	Rail-to-Rail Input/Output Zero-Drift Op Amp, C-Load
LT1178	S8	Dual Precision Micropower Op Amp
LT1179	SW	Quad Precision Micropower Op Amp
LT1187C	S8	Low Power Video Difference Amp
LT1189C	S8	Low Power Video Difference Amp
LT1190C	S8	50MHz High Speed Video Op Amp
LT1191C	S8	90MHz High Speed Video Op Amp
LT1192C	S8	350MHz ($A_V \geq 5$)High Speed Video Op Amp

PRODUCT		DESCRIPTION
LT1193C	S8	80MHz (Adj Gain) High Speed Video Op Amp
LT1194C	S8	35MHz ($A_V = 10$) Fixed Differential Video Op Amp
LT1195C	S8	Low Power, High Speed Op Amp
LT1206C	S8, R	250mA, 60MHz Current Feedback Amplifier, C-Load
LT1207C	S	Dual 250mA, 60MHz Current Feedback Amplifer, C-Load
LT1208C	S8	Dual Very High Speed Op Amp, C-Load
LT1209C	S	Quad Very High Speed Op Amp, C-Load
LT1210C	S	1.1A, 35MHz Current Feedback Amplifier
LT1211C	S8	14MHz Dual Precision Op Amp
LT1212C	S	14MHz Quad Precision Op Amp
LT1213C	S8	28MHz Dual Precision Op Amp
LT1214C	S	28MHz Quad Precision Op Amp
LT1215C	S8	23MHz Dual Precision Op Amp
LT1216C	S	23MHz Quad Precision Op Amp
LT1217C	S8	Low Power, 10MHz Current Feedback Amplifier
LT1219C	S8	Single Precision Rail-to-Rail Input/Output C-Load
LT1219LC	S8	Single Precision Rail-to-Rail Input/Output C-Load
LT1220C	S8	Very High Speed Op Amp
LT1221C	S8	Very High Speed Op Amp ($A_V \geq 4$)
LT1222C	S8	Very High Speed Op Amp ($A_V \geq 10$,Ext Comp)
LT1223C	S8	100MHz Current Feedback Amplifier
LT1224C	S8	45MHz Very High Speed Op Amp, C-Load
LT1225C	S8	150MHz ($A_V \geq 5$) High Speed Op Amp
LT1226C	S8	1GHz ($A_V \geq 25$) High Speed Op Amp
LT1227C	S8	140MHz High Speed Current Feedback Op Amp
LT1228C	S8	100MHz Current Feedback Amplifier w/DC Gain Control
LT1229C	S8	Dual 100MHz Current Feedback Amplifier
LT1230C	S	Quad 100MHz Current Feedback Amplifier
LTC1250C	S8	Ultralow Noise Zero-Drift Op Amp
LT1251C	S	40MHz Video Fader/Amplifier
LT1252C	S8	Low Cost Video Amplifier
LT1253C	S8	Low Cost Dual Video Amplifier
LT1254C	S	Low Cost Quad Video Amplifier
LT1256C	S	40MHz DC Gain Controller Amplifier
LT1259C	S	Dual 130MHz CFA with Shutdown
LT1260C	S	Triple 130MHz CFA with Shutdown
LT1311C	S	Quad 12MHz, 145ns Settling Precision Current-to-Voltage Converter for Optical Disk Drives
LT1351C	MS8	3MHz, 200V/µs Op Amp
LT1352	S8	Dual 250µA, 3MHz, 200V/µs Op Amp, C-Load
LT1353	S	Quad 250µA, 3MHz, 200V/µs Op Amp, C-Load
LT1354C	S8	12MHz, 400V/µs Op Amp, C-Load
LT1355C	S8	Dual 12MHz, 400V/µs Op Amp, C-Load
LT1356C	S	Quad 12MHz, 400V/µs Op Amp, C-Load
LT1357C	S8	25MHz, 600V/µs Op Amp, C-Load
LT1358C	S8	Dual 25MHz, 600V/µs Op Amp, C-Load
LT1359C	S	Quad 25MHz, 600V/µs Op Amp, C-Load
LT1360C	S8	50MHz, 800V/µs Op Amp, C-Load
LT1361C	S8	Dual 4mA, 50MHz, 800V/µs Op Amp, C-Load
LT1362C	S	Quad 50MHz, 800V/µs Op Amp, C-Load
LT1363C	S8	70MHz, 1000V/µs Op Amp, C-Load
LT1364C	S8	Dual 6mA, 70MHz, 1000V/µs Op Amp, C-Load
LT1365C	S	Quad 70MHz, 1000V/µs Op Amp, C-Load
LT1366C	S8	Dual Rail-to-Rail Input/Output Op Amp
LT1367C	S	Quad Rail-to-Rail Input/Output Op Amp
LT1368C	S8	Dual Rail-to-Rail Input/Output Op Amp, C-Load
LT1369C	S	Quad Rail-to-Rail Input/Output Op Amp, C-Load

C-Load is a trademark of Linear Technology Corporation

Surface Mount Small Outline (SO), DD and SOT Device Packaging

PRODUCT		DESCRIPTION
LT1413	S8	Dual Single-Supply, Precision Op Amp
LT1457	S8	Dual Precision JFET Op Amp, C-Load
LT1464	S8	Dual JFET Input, Micropower, Picoamp Bias Current, C-Load
LT1466LC	S8	Dual Precision Rail-to-Rail Input and Output Op Amp
LT1467LC	S	Quad Precision Rail-to-Rail Input and Output Op Amp
LT1490C	MS8	Dual, Micropower Rail-to-Rail Input and Output Op Amp
LT1491C	S	Quad, Micropower Rail-to-Rail Input and Output Op Amp
LT1492C	S8	5MHz, 3V/µs Dual Single Supply Op Amp
LT1493C	S	5MHz,3V/µs Quad Single Supply Op Amp
LT1495C	S8	1.5µA Dual Prec Rail-to-Rail Input and Output Op Amp
LT1496C	S	1.5µA Quad Prec Rail-to-Rail Input and Output Op Amp
LT1497C	S,S8	Dual 125mA, 50MHz Current Feedback Amp
LT1620I	S8	Rail-to-Rail Current Sense Amp
LT1620C	MS8	Rail-to-Rail Current Sense Amp
LT1621I	GN	Dual, Rail-to-Rail Current Sense Amp
LT1635C	S8	µPower Op Amp with Reference
OP-07C	S8	Precision Op Amp
OP-27G	S8	Low Noise, High Speed, Precision Op Amp
OP-37G	S8	Low Noise, High Speed, Precision Op Amp
OP-470G	S	Quad Low Noise, Precision Op Amp
Battery Management/Charging		
LT1239C	S	Backup Battery Management IC, Li-Ion or NiCd
LT1510C	S8	Battery Charger
LT1510C	S	Battery Charger
LT1512C	S8	SEPIC Battery Charger
LTC1325C	SW	µP-Controlled Battery Management System
Instrumentation Amps		
LTC1100AC	S8	Consult Factory
LTC1100C	SW	Chopper Stabilized Instrumentation Amp
LT1101	SW	Precision Micropower Instrumentation Amp
LT1101I	SW	Precision Micropower Instrumentation Amp
Comparators		
LT1011AC	S8	Precision Volt Comparator
LT1011C	S8	Precision Volt Comparator
LT1016C	S8	High Speed Comparator
LT1016I	S8	High Speed Comparator
LT1017C	S8	Micropower Dual Comparator
LT1017I	S8	Micropower Dual Comparator
LT1018C	S8	Micropower Dual Comparator
LTC1040C	SW	Micropower Dual Sampling Comparator
LTC1041C	S8	Bang-Bang Controller
LT1116C	S8	High Speed, Ground-Sensing Comparator
LTC1440C	MS8	Micropower Comparator w/1% 1.182V Ref
LTC1440C	S8	Micropower Comparator w/1% 1.182V Ref
LTC1440I	S8	Micropower Comparator w/1% 1.182V Ref
LTC1441C	S8	Dual Micropower Comparator
LTC1441I	S8	Dual Micropower Comparator
LTC1442C	S8	Dual Micropower Comparator and Reference
LTC1442I	S8	Dual Micropower Comparator and Reference
LTC1443C	S	Quad Micropower Comparator and Reference
LTC1443I	S	Quad Micropower Comparator and Reference
LTC1444C	S	Quad Micropower Comparator and Reference
LTC1444I	S	Quad Micropower Comparator and Reference
LTC1445C	S	Quad Micropower Comparator and Reference
LTC1445I	S	Quad Micropower Comparator and Reference
LTC1540C	S8	Nanopower (300nA) Comp with 2% Voltage Ref
LTC1540I	S8	Nanopower (300nA) Comp with 2% Voltage Ref
LTC1540C	MS8	Nanopower (300nA) Comp with 2% Voltage Ref
Data Acquisition		
LTC1090C	SW	10-Bit A/D with 8-Channel MUX
LTC1093C	SW	10-Bit A/D with 6-Channel MUX
LTC1096AC	S8	8-Bit Micropower A/D
LTC1096C	S8	8-Bit Micropower A/D
LTC1096LC	S8	8-Bit 3V Micropower Differential Input, Auto Shutdown

PRODUCT		DESCRIPTION
LTC1096LI	S8	8-Bit 3V Micropower Differential Input, Auto Shutdown
LTC1098AC	S8	8-Bit Micropower A/D
LTC1098C	S8	8-Bit Micropower A/D
LTC1098LC	S8	8-Bit Micropower 2-Channel MUX
LTC1098LI	S8	8-Bit Micropower 2-Channel MUX
LTC1099C	SW	8-Bit High Speed ADC
LTC1099I	SW	8-Bit High Speed ADC
LTC1196-1AC	S8	8-Bit, 600ns, 1MHz ADC
LTC1196-1BC	S8	8-Bit, 600ns, 1MHz ADC
LTC1196-2AC	S8	8-Bit, 710ns, 800kHz ADC
LTC1196-2BC	S8	8-Bit, 710ns, 800kHz ADC
LTC1197C	S8	10-Bit, 500ksps Differential Input ADC
LTC1197I	S8	10-Bit, 500ksps Differential Input ADC
LTC1197LC	MS8	10-Bit, 250ksps, 3V Differential Input ADC
LTC1197LC	S8	10-Bit, 250ksps, 3V Differential Input ADC
LTC1197LI	S8	10-Bit, 250ksps, 3V Differential Input ADC
LTC1198-1AC	S8	8-Bit, 600ns, 750kHz, 2-Channel ADC
LTC1198-1BC	S8	8-Bit, 600ns, 750kHz, 2-Channel ADC
LTC1198-2AC	S8	8-Bit, 710ns, 750kHz, 2-Channel ADC
LTC1198-2BC	S8	8-Bit, 710ns, 750kHz, 2-Channel ADC
LTC1199C	S8	10-Bit, 450ksps, 2-Channel Input ADC
LTC1199I	S8	10-Bit, 450ksps, 2-Channel Input ADC
LTC1199LC	MS8	10-Bit, 210ksps, 3V, 2-Channel Input ADC
LTC1199LC	S8	10-Bit, 210ksps, 3V, 2-Channel Input ADC
LTC1199LI	S8	10-Bit, 210ksps, 3V, 2-Channel Input ADC
LTC1257C	S8	12-Bit Complete V_{OUT} DAC
LTC1257I	S8	12-Bit Complete V_{OUT} DAC
LTC1272-3AC	SW	12-Bit 3µs Parallel I/O A/D
LTC1272-3BC	SW	12-Bit 3µs Parallel I/O A/D
LTC1272-3CC	SW	12-Bit 3µs Parallel I/O A/D
LTC1272-8AC	SW	12-Bit 8µs Parallel I/O A/D
LTC1272-8BC	SW	12-Bit 8µs Parallel I/O A/D
LTC1272-8CC	SW	12-Bit 8µs Parallel I/O A/D
LTC1273AC	SW	12-Bit 3µs Parallel I/O with Reference
LTC1273BC	SW	12-Bit 3µs Parallel I/O with Reference
LTC1274C	SW	12-Bit 6µs Parallel I/O A/D with Reference and Shutdown
LTC1274I	SW	12-Bit 6µs Parallel I/O A/D with Reference and Shutdown
LTC1275AC	SW	12-Bit 3µs Parallel I/O with Reference
LTC1275BC	SW	12-Bit 3µs Parallel I/O with Reference
LTC1276AC	SW	12-Bit 3µs Parallel I/O with Reference
LTC1276BC	SW	12-Bit 3µs Parallel I/O with Reference
LTC1277C	SW	12-Bit 6µs Parallel I/O with Reference
LTC1277I	SW	12-Bit 6µs Parallel I/O with Reference
LTC1278-4C	SW	12-Bit 2.5µs High Speed A/D
LTC1278-4I	SW	12-Bit 2.5µs High Speed A/D
LTC1278-5C	SW	12-Bit 2.5µs High Speed A/D
LTC1278-5I	SW	12-Bit 2.5µs High Speed A/D
LTC1279C	G	12 Bit 1.4µs, High Speed Samp. A/D
LTC1279I	G	12 Bit 1.4µs, High Speed Samp. A/D
LTC1279C	SW	12-Bit 1.6µs Parallel I/O with Reference
LTC1279I	SW	12-Bit 1.6µs Parallel I/O with Reference
LTC1282AC	SW	12-Bit 6µs Parallel I/O with Reference
LTC1282BC	SW	12-Bit 6µs Parallel I/O with Reference
LTC1285C	S8	12-Bit 3V Micropower ADC, Differential Input
LTC1285I	S8	12-Bit 3V Micropower ADC, Differential Input
LTC1286C	S8	12-Bit Micropower A/D with S/H, Differential Input
LTC1286I	S8	12-Bit Micropower A/D with S/H, Differential Input
LTC1288C	S8	12-Bit 3V Micropower ADC, 2-Channel MUX
LTC1288I	S8	12-Bit 3V Micropower ADC, 2-Channel MUX
LTC1289BC	SW	12-Bit 3V 8-Channel MUX, Full Duplex I/O
LTC1289CC	SW	12-Bit 3V 8-Channel MUX, Full Duplex I/O
LTC1290BC	SW	12-Bit A/D with 8-Channel MUX
LTC1290BI	SW	12-Bit A/D with 8-Channel MUX
LTC1290CC	SW	12-Bit A/D with 8-Channel MUX
LTC1290CI	SW	12-Bit A/D with 8-Channel MUX
LTC1290DC	SW	12-Bit A/D with 8-Channel MUX
LTC1290DI	SW	12-Bit A/D with 8-Channel MUX
LTC1293BC	SW	12-Bit A/D with 6-Channel MUX

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PRODUCT		DESCRIPTION
LTC1293CC	SW	12-Bit A/D with 6-Channel MUX
LTC1293DC	SW	12-Bit A/D with 6-Channel MUX
LTC1294BC	SW	12-Bit A/D with 8-Channel MUX
LTC1294BI	SW	12-Bit A/D with 8-Channel MUX
LTC1294CC	SW	12-Bit A/D with 8-Channel MUX
LTC1294DC	SW	12-Bit A/D with 8-Channel MUX
LTC1296BC	SW	12-Bit A/D with 8-Channel MUX, Single Supply
LTC1296BI	SW	12-Bit A/D with 8-Channel MUX, Single Supply
LTC1296CC	SW	12-Bit A/D with 8-Channel MUX, Single Supply
LTC1296CI	SW	12-Bit A/D with 8-Channel MUX, Single Supply
LTC1296DC	SW	12-Bit A/D with 8-Channel MUX, Single Supply
LTC1296DI	SW	12-Bit A/D with 8-Channel MUX, Single Supply
LTC1298C	S8	12-Bit Micropower A/D
LTC1298I	S8	12-Bit Micropower A/D
LTC1329C	S8-10	8-Bit Current Output DAC
LTC1329AC	S8-50	8-Bit Current Output DAC
LTC1390C	S	8-Channel Serial I/O Analog MUX
LTC1392C	S8	10-Bit Environment Monitor ADC
LTC1392I	S8	10-Bit Environment Monitor ADC
LTC1400C	S8	Complete SO-8, 12-Bit 400ksps ADC with Shutdown
LTC1400I	S8	Complete SO-8, 12-Bit 400ksps ADC with Shutdown
LTC1409C	G	12-Bit 800ksps ADC Low Power, ±2.5V Input
LTC1409I	G	12-Bit 800ksps ADC Low Power, ±2.5V Input
LTC1409C	SW	12-Bit 800ksps ADC Low Power, ±2.5V Input
LTC1409I	SW	12-Bit 800ksps ADC Low Power, ±2.5V Input
LTC1410C	G	12-Bit 1.25 Msps ADC with Shutdown
LTC1410I	G	12-Bit 1.25 Msps ADC with Shutdown
LTC1410C	SW	12-Bit 1.25 Msps ADC with Shutdown
LTC1410I	SW	12-Bit 1.25 Msps ADC with Shutdown
LTC1415C	SW	12-Bit Single 5V,1.25Msps, ADC with Shutdown
LTC1415I	SW	12-Bit Single 5V,1.25Msps, ADC with Shutdown
LTC1415C	G	12-Bit Single 5V,1.25Msps, ADC with Shutdown
LTC1415I	G	12-Bit Single 5V,1.25Msps, ADC with Shutdown
LTC1419C	G	14-Bit 800ksps Parallel ADC
LTC1419I	G	14-Bit 800ksps Parallel ADC
LTC1419AC	G	14-Bit 800ksps Parallel ADC
LTC1419AI	G	14-Bit 800ksps Parallel ADC
LTC1419AC	SW	14-Bit 800ksps Parallel ADC
LTC1419AI	SW	14-Bit 800ksps Parallel ADC
LTC1419C	SW	14-Bit 800ksps Parallel ADC
LTC1419I	SW	14-Bit 800ksps Parallel ADC
LTC1426C	MS8	Dual 6-Bit µPower PWM DAC
LTC1446C	S8	Dual 12-Bit 5V Powered V_{OUT} DAC, Reference, Power-On Reset, Daisy Chain
LTC1446I	S8	Dual 12-Bit 5V Powered V_{OUT} DAC, Reference, Power-On Reset, Daisy Chain
LTC1446LC	S8	Dual 12-Bit 3V Powered V_{OUT} DAC, Reference, Power-On Reset, Daisy Chain
LTC1446LI	S8	Dual 12-Bit 3V Powered V_{OUT} DAC, Reference, Power-On Reset, Daisy Chain
LTC1448C	S8	12-Bit Voltage Output Dual DAC
LTC1448I	S8	12-Bit Voltage Output Dual DAC
LTC1450C	S	12-Bit 5V Powered Latched Parallel Input, V_{OUT} DAC, Reference
LTC1450I	S	12-Bit 5V Powered Latched Parallel Input, V_{OUT} DAC, Reference
LTC1450LC	S	12-Bit 3V Powered Latched Parallel Input, V_{OUT} DAC, Reference
LTC1450LI	S	12-Bit 3V Powered Latched Parallel Input, V_{OUT} DAC, Reference
LTC1451C	S8	12-Bit Complete V_{OUT} DAC
LTC1451I	S8	12-Bit Complete V_{OUT} DAC
LTC1452C	S8	12-Bit V_{OUT} Mulitplying Rail-to-Rail DAC
LTC1452I	S8	12-Bit V_{OUT} Mulitplying Rail-to-Rail DAC
LTC1453C	S8	12-Bit Complete V_{OUT} DAC 3V/5V Operation
LTC1453I	S8	12-Bit Complete V_{OUT} DAC 3V/5V Operation
LTC1454I	S	Dual 12-Bit, V_{OUT}, DAC
LTC1458LI	SW	Low Power, Single 3V, Quad 12-Bit V_{OUT} DAC

PRODUCT		DESCRIPTION
LTC1458LI	G	Low Power, Single 3V, Quad 12-Bit V_{OUT} DAC
LTC1458I	G	Low Power, Single 5V, Quad 12-Bit V_{OUT} DAC
LTC1458I	SW	Low Power, Single 5V, Quad 12-Bit V_{OUT} DAC
LTC1590C	S	Dual 12-Bit Current Output DAC
LTC1590I	S	Dual 12-Bit Current Output DAC
LTC1594C	S	12-Bit 5V Micropower 4-Channel MUX
LTC1594I	S	12-Bit 5V Micropower 4-Channel MUX
LTC1594LC	S	12-Bit 3V Micropower 4-Channel MUX
LTC1594LI	S	12-Bit 3V Micropower 4-Channel MUX
LTC1595AC	S8	16-Bit, Serial Multiplying DAC
LTC1595AI	S8	16-Bit, Serial Multiplying DAC
LTC1595BC	S8	16-Bit, Serial Multiplying DAC
LTC1595BI	S8	16-Bit, Serial Multiplying DAC
LTC1595CC	S8	16-Bit, Serial Multiplying DAC
LTC1595CI	S8	16-Bit, Serial Multiplying DAC
LTC1596CC	SW	16-Bit, Serial Multiplying DAC
LTC1596CI	SW	16-Bit, Serial Multiplying DAC
LTC1596BC	SW	16-Bit, Serial Multiplying DAC
LTC1596BI	SW	16-Bit, Serial Multiplying DAC
LTC1596AC	SW	16-Bit, Serial Multiplying DAC
LTC1596AI	SW	16-Bit, Serial Multiplying DAC
LTC1598C	S	12-Bit 5V Micropower 8-Channel MUX
LTC1598I	S	12-Bit 5V Micropower 8-Channel MUX
LTC1598LC	S	12-Bit 3V Micropower 8-Channel MUX
LTC1598LI	S	12-Bit 3V Micropower 8-Channel MUX
LTC1605C	G	16-Bit 100ksps, Parallel ADC
LTC1605I	G	16-Bit 100ksps, Parallel ADC
LTC1605C	SW	16-Bit 100ksps, Parallel ADC
LTC1605I	SW	16-Bit 100ksps, Parallel ADC
LTC1605AC	SW	16-Bit 100ksps, Parallel ADC
LTC1605AI	SW	16-Bit 100ksps, Parallel ADC
LTC1605AC	G	16-Bit 100ksps, Parallel ADC
LTC1605AI	G	16-Bit 100ksps, Parallel ADC
LTC1659C	S8	Single 12-bit V_{OUT} DAC
LTC1659I	S8	Single 12-bit V_{OUT} DAC
LTC1659C	MS8	Single 12-bit V_{OUT} DAC
LTC7541AJ	SW	Improved Industry Std CMOS 12-Bit Multiplying DAC
LTC7541AK	SW	Improved Industry Std CMOS 12-Bit Multiplying DAC
LTC7543GK	SW	Improved Industry Std Serial 12-Bit Multiplying DAC
LTC7543K	SW	Improved Industry Std Serial 12-Bit Multiplying DAC
LTC7545AK	SW	12-Bit Latched Parallel Input, Industry Standard DAC
LTC7545AL	SW	12-Bit Latched Parallel Input, Industry Standard DAC
LTC8043E	S8	Serial 12-Bit Multiplying DAC in SO-8
LTC8043F	S8	Serial 12-Bit Multiplying DAC in SO-8
LTC8143E	SW	Improved Industry Std Serial 12-Bit Multiplying DAC
LTC8143F	SW	Improved Industry Std Serial 12-Bit Multiplying DAC
Regulators, PWMs, DC/DC Converters		
LT1020C	SW	µPower Low Dropout Regulator with Comparator
LT1020I	SW	µPower Low Dropout Regulator with Comparator
LT1026I	S8	5V to ±9V Switched Capacitor Converter
LT1072C	S8	40kHz 1.25A Switching Regulator
LT1073C	S8 S8-5,12	µPower Switching Regulator Works Down to 1V Input, Adjustable & Fixed 5V, 12V Outputs
LT1076C	Q	2A Step-Down Switching Regulator
LT1076C	Q-5	2A Step-Down Switching Regulator, 5V Output
LT1076C	R	2A Step-Down Switching Regulator with Shutdown, 5-Lead DD Package, Adjustable Output
LT1076C	R-5	2A Step-Down Switching Regulator with Shutdown, 7-Lead DD Package, 5V
LT1076HVC	R	2A Step-Down Switching Regulator, 7-Lead DD Pkg
LT1084C	M	5A Low Dropout Regulator, 3-Lead DD Package
LT1085C	M	Adjustable Low Dropout Pos Voltage Regulator, 3A
LT1085C	M-3.3	3.3V Low Dropout Voltage Regulator, 3A
LT1085C	M-3.6	3.6V Low Dropout Voltage Regulator, 3A
LT1086C	M	1.5A Low Dropout Regulator, 3-Lead DD Pkg
LT1086C	M-3.3	3.3V Low Dropout Positive Voltage Regulator, 1.5A
LT1086C	M-3.6	3.6V Low Dropout Positive Voltage Regulator, 1.5A

Surface Mount Small Outline (SO), DD and SOT Device Packaging

PRODUCT		DESCRIPTION
LT1107C	S8	µPower DC/DC Converter Works Down to 2V Input,
	S8-5,12	Adjustable & Fixed 5V, 12V Outputs
LT1107I	S8	Micropower Switching Regulator Adjustable Output
LT1108C	S8, S8-5,	µPower DC/DC Converter Works Down to 2V Input,
	S8-12	Adjustable & Fixed 5V, 12V Outputs
LT1109AC	S8	µPower DC/DC Converter with Shutdown & 100kHz
		Swtiching Frequency, Adjustable & Fixed 5V, 12V Outputs
LT1109AC	S8-5	µPower Switching Regulator, 5V Output
LT1109AC	S8-12	µPower Switching Regulator, 12V Output
LT1109C	S8, S8-5,	µPower DC/DC Converter with Shutdown & 100kHz
	S8-12	Switching Frequency, Adjustable & Fixed 5V, 12V Outputs
LT1110C	S8, S8-5,	µPower DC/DC Converter Works Down to 1V Input,
	S8-12	Adjustable & Fixed 5V, 12V Outputs
LT1111C	S8, S8-5,	µPower Switching Regulator Works Down to 2V Input,
	S8-12	Adjustable & Fixed 5V, 12V Outputs
LT1111I	S8	µPower Adjustable Switching Regulator
LT1117C	M	Adjustable Low Dropout Regulator
LT1117C	M-2.85	2.85V Low Dropout Regulator
LT1117C	M-3.3	3.3V Low Dropout Regulator
LT1117C	M-5	5V Low Dropout Regulator
LT1117C	ST	Low Dropout 800mA Adjustable Regulator
LT1117C	ST-2.85	Active SCSI-2 Terminator, 2.85V
LT1117C	ST-3.3	Low Dropout 800mA Fixed 3.3V Regulator
LT1117C	ST-5	Low Dropout 800mA Regulator, 5V
LT1118C	ST-2.5	2.5V Source/Sink Low Dropout Regulator
LT1118C	ST-2.85	SCSI Source/Sink Terminator
LT1118C	ST-5	5V Source/Sink Low Dropout Regulator
LT1120AC	S8	µPower Voltage Regulator and Comparator with
		Shutdown
LT1120C	S8	µPower Low Dropout Regulator with Shutdown
LT1121AC	S8,	µPower Low Dropout Regulator with Shutdown,
	S8-3.3, 5	Adjustable & Fixed 3.3V, 5V Outputs
LT1121AI	S8	Adjustable Low Dropout µP Regulator
LT1121AI	S8-3.3	3.3V Low Dropout µPower Regulator
LT1121AI	S8-5	5V Low Dropout µPower Regulator
LT1121C	S8,	µPower Low Dropout Regulator with Shutdown,
	S8-3.3, 5	Adjustable & Fixed 3.3V, 5V Outputs
LT1121C	ST-3.3, 5	µPower Low Dropout Regulator, Fixed 3.3V, 5V Output
LT1121I	S8	Adjustable Low Dropout µPower Regulator
LT1121I	S8-3.3	3.3V Low Dropout µPower Regulator
LT1121I	S8-5	5V Low Dropout µPower Regulator
LT1121I	ST-3.3	3.3V Low Dropout µPower Regulator
LT1121I	ST-5	5V Low Dropout µPower Regulator
LT1123C	ST	Low Dropout Regulator Driver
LT1129C	Q, Q-3.3	700mA µPower Low Dropout Voltage Regulator
LT1129C	Q-5	µPower Low Dropout Regulator, Fixed 5V Output
LT1129C	S8	Adjustable 700mA µPower Low Droput Regulator
LT1129C	S8-3.3	3.3V 700mA µPower Low Droput Regulator
LT1129C	S8-5	5V 700mA µPower Low Droput Regulator
LT1129C	ST-3.3	700mA µPower Low Droput Regulator
LT1129C	ST-5	µPower Low Dropout Regulator, Fixed 5V Output
LT1129I	Q, Q-3.3,	700mA µPower Low Dropout Voltage Regulator
	Q-5	Adjustable, Fixed 3.3V and 5V Versions
LT1129I	S8	Adjustable 700mA µPower Low Droput Regulator
	S8-3.3, 5	3.3V and 5V 700mA µPower Low Droput Regulator
LT1129I	ST-3.3, 5	700mA µPower Low Droput Regulator, 3.3V and 5V Fixed
LTC1142C	G	Dual High Efficiency Switching Regulator Controller
LTC1142HVC	G	HV Dual High Efficiency Switching Regulator Controller
LTC1142HVC	G-ADJ	Adjustable HV Dual High Efficiency Sw Reg Controller
LTC1143C	SW	Dual High Efficiency Switching Regulator Controller
LTC1144C	S8	20V Switched Capacitor Voltage Converter
LTC1144I	S8	20V Switched Capacitor Voltage Converter
LTC1147C	S8-3.3, 5	High Efficiency Step-Down Switching Regulator Controller
LTC1147LC	S8,	High Efficiency Step-Down Switching Regulator Controller
	S8-3.3	Adjustable, 3.3V Fixed
LTC1148C	S,	High Efficiency Step-Down Synchronous Switching
	S-3.3, 5	Regulator Controller Adjustable, 3.3V and 5V Fixed

PRODUCT		DESCRIPTION
LTC1148HVC	S,	High Efficiency Step-Down Synchronous Switching
	S-3.3, 5	Regulator Controller Adjustable, 3.3V and 5V Fixed
LTC1148LC	S,	High Efficiency Step-Down Synchronous Switching
	S-3.3	Regulator Controller and Fixed 3.3V
LTC1149C	S,	High Efficiency Step-Down Synchronous Switching
	S-3.3, 5	Regulator Controller, 48V Inputs and Fixed 3.3V, 5V
LTC1159C	S,	High Efficiency Step-Down Synchronous Switching
	S-3.3, 5	Regulator Controller
LTC1159C	G,	High Efficiency Step-Down Synchronous Switching
	G-3.3, 5	Regulator Controller
LT1170C	Q	100kHz 5A Switching Regulator, 5-Lead DD Pkg
LT1171C	Q	100kHz 2.5A Switching Regulator, 5-Lead DD Pkg
LT1172C	SW	100kHz 1.25A Switching Regulator
LT1172C	S8	1.25A High Efficiency 100kHz Switching Regulator
LT1172C	Q	100kHz 1.25A Switching Regulator, 5-Lead DD Pkg
LT1172I	S8	100kHz 1.25A Power Switching Regulator
LT1173C	S8	µPower Switching Regulator for Inputs Greater than
	S8-5,12	2V, Adjustable & Fixed 5V, 12V Versions
LTC1174C	S8,	High Efficiency, 400mA Step-Down Switching Regulator
	S8-3.3, 5	Adjustable, 3.3V, 5V Fixed Versions
LTC1174HVC	S8	HV Adjustable µPower Step-Down DC/DC Converter
LTC1174HVC	S8-3.3	HV 3.3V µPower Step-Down DC/DC Converter
LTC1174HVC	S8-5	HV 5V µPower Step-Down DC/DC Converter
LTC1174HVI	S8	HV Adj µPower Step-Down DC/DC Converter
LTC1174I	S8	Adjustable µPower Step-Down DC/DC Converter
LT1175C	S8-5	–5V Micropower Low Dropout Regulator
LT1175C	S8	Negative Adjustable Low Dropout Regulator
LT1176C	SW	100kHz 1A Step-Down Switching Regulator with
		Shutdown
LT1176C	SW-5	5V 1A Step-Down Switching Regulator
LT1182C	S	CCFL/LCD Dual Switching Regulator
LT1182I	S	CCFL/LCD Contrast Regulator
LT1183C	S	CCFL/LCD Dual Switching Regulator
LT1184C	S	CCFL Switching Regulator for Grounded Bulbs
LT1184FC	S	CCFL Switching Regulator for Floating or Grounded Bulbs
LT1184FI	S	CCFL Switching Regulator for Floating or Grounded Bulbs
LT1186C	S	CCFL Switching Regulator w/Digital Brightness Control
LT1241C	S8	Current Mode PWM Controller
LT1241I	S8	Current Mode PWM Controller
LT1242C	S8	Current Mode PWM Controller
LT1242I	S8	Current Mode PWM Controller
LT1243C	S8	Current Mode PWM Controller
LT1243I	S8	Current Mode PWM Controller
LT1244C	S8	Current Mode PWM Controller
LT1244I	S8	Current Mode PWM Controller
LT1245C	S8	Current Mode PWM Controller
LT1245I	S8	Current Mode PWM Controller
LT1246C	S8	1MHz Current Mode PWM Controller
LT1247C	S8	1MHz Current Mode PWM Controller
LT1248C	S	Power Factor Correction Contoller
LT1248I	S	Power Factor Correction Contoller
LT1249C	S8	8-Pin Power Factor Correction Controller
LT1249I	S8	8-Pin Power Factor Correction Controller
LTC1262C	S8	12V, 30mA VPP Generator
LTC1262I	S8	12V, 30mA VPP Generator
LTC1265C	S,	1.2A High Efficiency Step-Down DC/DC Converter
	S-3.3, 5	in Adjustable, Fixed 3.3V and 5V Output
LTC1266C	S,	High Efficiency Synchronous Switching Regulator
	S-3.3, 5	Controller in Adjustable, Fixed 3.3V and 5V Output
LTC1267C	G,	Dual High Voltage High Efficiency Synchronous
	G-ADJ,	Switching Regulator Controller
	G-ADJ5	
LT1268BC	Q	7.5A, 150kHz Switching Regulator, 5-Lead DD Package
LT1268C	Q	7.5A, 150kHz Switching Regulator, 5-Lead DD Package
LT1269C	Q	4A, Power Switching Regulator, 5-Lead DD Package
LT1269C	SW	100kHz 4A Switching Regulator, 20-Lead SO
LT1271C	Q	60kHz 4A Switching Regulator, 5-Lead DD Package

Surface Mount Small Outline (SO), DD and SOT Device Packaging

PRODUCT		DESCRIPTION
LT1300C	S8	µPower Step-Up DC/DC Converter, 1.8V Input
LT1301C	S8	µPower Step-Up DC/DC Converter, 1.8V Input
LT1301I	S8	5V/12V µPower DC/DC Boost Converter
LT1302C	S8	µPower High Current Step-Up DC/DC Converter
LT1302C	S8-5	µPower High Current Step-Up Fixed 5V Output DC/DC Converter
LT1303C	S8	µPower DC/DC Boost Converter with LBD
LT1303C	S8-5	5V µPower DC/DC Boost Converter with LBD
LT1303I	S8	µPower DC/DC Boost Converter with LBD
LT1304C	S8, S8-3.3, 5	Micropower DC/DC Converter with Low-Batery Detector Active in Shutdown
LT1305C	S8	Micropower High Current DC/DC Converter
LT1307C	MS8	Single Cell Micropower 600kHz PWM DC/DC Converter
LT1307C	S8	Single Cell Micropower 600kHz PWM DC/DC Converter
LT1307BC	MS8	Single Cell Step-Up Conv, No Burst Mode™ Operation
LT1308C	S8	Single Cell Step-Up Converter
LT1308I	S8	Single Cell Step-Up Converter
LT1309C	S8	500kHz Micropower DC/DC Converter
LT1316C	S8	Micropower DC/DC Converter
LT1316I	S8	Micropower DC/DC Converter
LT1316C	MS8	Micropower DC/DC Converter
LT1371C	R	3A/500kHz High Efficiency Switching Regulator
LT1372C	S8	1.5A/500kHz Step-Up Switching Regulator
LT1373C	S8	1.5A/250kHz Step-Up Switching Regulator
LT1375C	S8, S8-5	1.5A/500kHz Step-Down Switching Regulator in Adjustable and Fixed 5V Outputs
LT1375I	S8, S8-5	1.5A/500kHz Step-Down Switching Regulator in Adjustable and Fixed 5V Outputs
LT1376C	S8, S8-5	1.5A/500kHz Step-Down Switching Regulator in Adjustable and Fixed 5V Outputs
LT1376I	S8, S8-5	1.5A/500kHz Step-Down Switching Regulator in Adjustable and Fixed 5V Outputs
LT1377C	S8	1.5A/1MHz Step-Up Switching Regulator
LT1425C	S	Isolated Flyback DC/DC Converter
LTC1430C	S, S8	High Power Step-Down Switching Regulator
LTC1430I	S	High Power Step-Down Switching Regulator
LT1432C	S8	High Efficiency Switching Regulator Controller
LT1432C	S8-3.3	High Efficiency 3.3V Controller
LTC1433C	GN	450mA, Low Noise Current Mode S/D DC/DC Conv
LTC1433I	GN	450mA, Low Noise Current Mode S/D DC/DC Conv
LTC1434C	GN	450mA, Low Noise Current Mode S/D DC/DC Conv
LTC1434I	GN	450mA, Low Noise Current Mode S/D DC/DC Conv
LTC1435C	G	High Efficiency Switching Regulator Controller
LTC1436C	G	High Efficiency Switching Regulator Controller
LTC1436C	G-PLL	High Efficiency Switching Regulator Controller
LTC1437C	G	Dual 3.3V/5A High Efficiency Switching Regulator Conroller
LTC1439C	G	Dual 3.3V/5A High Efficiency Switching Regulator Conroller
LTC1439I	G	Dual Const Freq Synch Switching Regulator Conroller
LTC1474C	MS8	Low IQ Step-Down DC/DC Converter
LTC1474C	MS8-3.3	3.3V,Low IQ Step-Down DC/DC Converter
LTC1474C	MS8-5	5V,Low IQ Step-Down DC/DC Converter
LTC1474C	S8-5	5V,Low IQ Step-Down DC/DC Converter
LTC1474I	S8-5	5V,Low IQ Step-Down DC/DC Converter
LTC1474C	S8-3.3	3.3V,Low IQ Step-Down DC/DC Converter
LTC1474I	S8-3.3	3.3V,Low IQ Step-Down DC/DC Converter
LTC1474C	S8	Low IQ Step-Down DC/DC Converter
LTC1474I	S8	Low IQ Step-Down DC/DC Converter
LTC1475C	S8-3.3	Low IQ Pushbutton Step-Down DC/DC Converter
LTC1475C	MS8-5	Low IQ Pushbutton Step-Down DC/DC Converter
LTC1475C	MS8-3.3	Low IQ Pushbutton Step-Down DC/DC Converter
LTC1475C	S8	Low IQ Pushbutton Step-Down DC/DC Converter
LTC1475I	S8	Low IQ Pushbutton Step-Down DC/DC Converter
LTC1475C	S8-5	Low IQ Pushbutton Step-Down DC/DC Converter
LTC1475C	MS8	Low IQ Pushbutton Step-Down DC/DC Converter
LT1500C	S	2-Cell Low Noise Step-Up Converter
LT1500I	S	2-Cell Low Noise Step-Up Converter
LT1500C	S-3.3	3.3V, 2-Cell Low Noise Step-Up Converter

PRODUCT		DESCRIPTION
LT1500I	S-3/5	3/5V, 2-Cell Low Noise Step-Up Converter
LT1501C	S8-5	5V, 2-Cell Low Noise Step-Up Converter
LT1501I	S8-5	5V, 2-Cell Low Noise Step-Up Converter
LT1501C	S8	2-Cell Low Noise Step-Up Converter
LT1501I	S8	2-Cell Low Noise Step-Up Converter
LT1501C	S8-3.3	3.3V, 2-Cell Low Noise Step-Up Converter
LT1501I	S8-3.3	3.3V, 2 Cell Low Noise Step-Up Converter
LTC1504C	S8-3.3	3.3V, Low Voltage Step-Down Syn Switcher
LTC1504C	S8	Low Voltage Step-Down Syn Switcher
LTC1507C	S8	1.5A/500kHz, 3.3V Step-Down Switching Regulator with 4.34V Min V_{IN}
LT1507C	S8-3.3	1.5A/500kHz, Adjustable Step-Down Switching Regulator with 4.34V Min V_{IN}
LT1510C	GN	200kHz, 1.5A Step-Down Battery Charger
LT1510I	GN	200kHz, 1.5A Step-Down Battery Charger
LT1510-5C	GN	500kHz, 1.5A Step-Down Battery Charger
LT1510-5I	GN	500kHz, 1.5A Step-Down Battery Charger
LT1510C	S8	200kHz, 1.2A Step-Down Battery Charger
LT1510I	S8	200kHz, 1.2A Step-Down Battery Charger
LT1510C	S	200kHz, 1.5A Step-Down Battery Charger
LT1510I	S	200kHz, 1.5A Step-Down Battery Charger
LTC1514C	S8-3.3	Step-Up/Step-Down Switch Cap DC/DC w/POR
LTC1514I	S8-3.3	Step-Up/Step-Down Switch Cap DC/DC w/POR
LTC1514C	S8-5	Step-Up/Step-Down Switch Cap DC/DC w/POR
LTC1514I	S8-5	Step-Up/Step-Down Switch Cap DC/DC w/POR
LTC1515C	S8-3/5	Step-Up/Step-Down Switch Cap DC/DC w/POR
LTC1515I	S8-3/5	Step-Up/Step-Down Switch Cap DC/DC w/POR
LTC1515C	S8-3.3/5	Step-Up/Step-Down Switch Cap DC/DC w/POR
LTC1515I	S8-3.3/5	Step-Up/Step-Down Switch Cap DC/DC w/POR
LTC1515C	S8	Step-Up/Step-Down Switch Cap DC/DC w/POR
LTC1515I	S8	Step-Up/Step-Down Switch Cap DC/DC w/POR
LTC1516C	S8	50mA 5V Output Switched Capacitor Converter
LTC1517C	S5-5	µPwr Reg 5V Charge Pump DC/DC Converter
LT1521C	S8	300mA µPower Low Dropout Adjustable Voltage Regulator
LT1521C	S8-3	300mA µPower Low Dropout 3V Voltage Regulator
LT1521C	S8-3.3	300mA µPower Low Dropout 3.3V Voltage Regulator
LT1521C	S8-5	300mA µPower Low Dropout 5V Voltage Regulator
LT1521C	ST-3	300mA µPower Low Dropout 3V Voltage Regulator
LT1521C	ST-3.3	300mA µPower Low Dropout 3.3V Voltage Regulator
LT1521C	ST-5	300mA µPower Low Dropout 5V Voltage Regulator
LT1521I	S8	300mA µPower Low Dropout Adj Voltage Regulator
LT1521I	S8-3	300mA µPower Low Dropout 3V Voltage Regulator
LT1521I	S8-3.3	300mA µPower Low Dropout 3.3V Voltage Regulator
LT1521I	S8-5	300mA µPower Low Dropout 5V Voltage Regulator
LT1521I	ST-3	300mA µPower Low Dropout 3V Voltage Regulator
LT1521I	ST-3.3	300mA µPower Low Dropout 3.3V Voltage Regulator
LT1521I	ST-5	300mA µPower Low Dropout 5V Voltage Regulator
LTC1522C	MS8,S8	µPower Reg 5V Charge Pump DC/DC Converter
LT1528C	Q	3A Low Dropout Voltage Regulator
LT1529C	Q	3A Micropower Low Dropout Voltage Regulator
LT1533C	S	Ultralow Noise 1A Switching Regulator
LTC1550I	GN	Low Noise, Switch Capacitor-Reg V Inverter
LTC1553C	G,SW	5-Bit DAC Prog Synch DC/DC Controller
LT1572C	S	1.5A Switching Regulator w/Built-In Schottky Rectifier
LTC1574C	S, S-3.3, S-5	High Efficiency Step-Down Switching Regulator with Internal Schottky Rectifier
LT1575C	S8-3.3	Precision Linear Regulator Controller
LT1575C	S8-3.5	Precision Linear Regulator Controller
LT1585C	M M-3.3, M-3.38, M-3.45, M-3.6	4A and 4.6A Low Dropout Regulator, 3-Lead DD Package, Fixed Output 3.3V, 3.38V, 3.45V, 3.6V and Adjustable Outputs
LT1587C	M, M-3.3 M-3.45, M-3.6	3A Low Dropout Regulator, 3-Lead DD Package, Fixed 3.3V, 3.45V, 3.6V and Adjustable Output Voltage

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Surface Mount Small Outline (SO), DD and SOT Device Packaging

PRODUCT		DESCRIPTION
LTC1624C	S8	High Efficiency SO-8, N-Channel Regulator
LTC1624I	S8	High Efficiency SO-8, N-Channel Regulator
LTC1626C	S	Low Volt,High Eff.,Step-Down DC/DC Conv.
LT1680C	SW	High Power Step-Up DC/DC Controller
LT1680I	SW	High Power Step-Up DC/DC Controller
SG3524	S	Pulse Width Modulator
Switched-Capacitor Voltage Converters		
LTC660C	S8	High Current Switched-Capacitor Voltage Converter
LT1026C	S8	5V to ±10V Switched-Capacitor Voltage Converter
LTC1043C	SW	Dual Precision Instrumentation Switched Capacitor Building Block
LTC1044AC	S8	Switched-Capacitor Voltage Converter, 13V
LTC1044C	S8	Switched-Capacitor Voltage Converter
LTC1044AI	S8	Switched-Capacitor Voltage Converter, 13V
LTC1046C	S8	50mA Switched-Capacitor Voltage Converter
LTC1046I	S8	50mA Switched-Capacitor Voltage Converter
LT1054C	S8, SW	100mA Switched-Capacitor Voltage Converter
LT1054I	S8, SW	100mA Switched-Capacitor Voltage Converter
LTC1144C	S8	20V Switched-Capacitor Voltage Converter
LTC1144I	S8	20V Switched-Capacitor Voltage Converter
LTC1261C	S, S8, S8-4 S8-4.5	Switched-Capacitor Voltage Inverter for GaAs FET Bias
LTC1429C	S, S8-4	(+)-to-(–) Converter w/Regulation, External Clock
LTC1550C	GN	Low Noise, (+)-to-(–) Switched-Capacitor Converter
LTC1550C	S8-4.1	Low Noise, (+)-to-(–) Switched-Capacitor Converter
LTC1551C	S8-4.1	Low Noise, (+)-to-(–) Switched-Capacitor Converter
Switched-Capacitor Filters		
LTC1059C	S	2nd Order Universal Filter
LTC1060C	SW	Dual 2nd Order Universal Filter
LTC1061C	SW	Triple 2nd Order Universal Filter
LTC1062C	SW	5th Order Lowpass Filter (Patented)
LTC1063C	SW	Low Offset Clock-Tunable Lowpass Filter
LTC1064C	SW	100kHz Quad 2nd Order Universal Filter
LTC1064-1C	SW	8th Order Cauer Lowpass Filter
LTC1064-2C	SW	8th Order Butterworth Lowpass Filter
LTC1064-3C	SW	8th Order Bessel (Linear Phase) Lowpass Filter
LTC1064-4C	SW	8th Order Cauer/Transitional Lowpass Filter
LTC1064-7C	SW	100kHz Phase Corrected Lowpass Filter
LTC1064-XXC	SW	High Speed, Low Noise Quad Semi-Custom Filter
LTC1065C	SW	Low Offset Clock-Tunable Lowpass Filter
LTC1065I	SW	Low Offset Clock Sweep. Bessel Filter
LTC1066-1C	SW	14-Bit Accurate, 8th Order, LP Filter
LTC1067C	S	Rail-to-Rail Low Noise Dual Filter Bldg Block
LTC1067I	S	Rail-to-Rail Low Noise Dual Filter Bldg Block
LTC1067-50C	S	Rail-to-Rail Low Noise Dual Filter Bldg Block
LTC1067-50I	S	Rail-to-Rail Low Noise Dual Filter Bldg Block
LTC1067C	GN	Rail-to-Rail Low Noise Dual Filter Bldg Block
LTC1067I	GN	Rail-to-Rail Low Noise Dual Filter Bldg Block
LTC1067-50C	GN	Rail-to-Rail Low Noise Dual Filter Bldg Block
LTC1067-50I	GN	Rail-to-Rail Low Noise Dual Filter Bldg Block
LTC1068C	G	Low Noise, High Accuracy Quad Filter
LTC1068I	G	Low Noise, High Accuracy Quad Filter
LTC1069-1C	S8	Low Power, 8th Order Elliptic Filter
LTC1069-1I	S8	Low Power, 8th Order Elliptic Filter
LTC1164C	SW	Low Power Quad 2nd Order Universal Filter
LTC1164AC	SW	Low Power Quad 2nd Order Universal Filter
LTC1164-5C	SW	Low Power, 8th Order, Butterworth Filter
LTC1164-6C	SW	Low Power, 8th Order, Cauer Filter
LTC1164-7C	SW	Low Power, 8th Order, Linear Phase Filter
LTC1164-8C	SW	Ultra-Selective Elliptic Bandpass Filter w/Adjustable Gain
LTC1164-XXC	SW	Low Power, Low Noise Quad Semi-Custom Filter
LTC1264C	SW	High Speed, Quad 2nd Order Universal Filter
LTC1264-7C	SW	High Speed, 8th Order, Linear Phase Filter
LTC1560-1C	S8	1MHz, 500kHz, Cont.Time, L/N, Lowpass
LTC1560-1I	S8	1MHz, 500kHz, Cont.Time, L/N, Lowpass

PRODUCT		DESCRIPTION
References		
LM334	S8	Constant Current Source & Temperature Sensor Reference
LM385	S8-1.2	1.2V Bandgap Voltage Reference
LM385	S8-2.5	2.5V Bandgap Voltage Reference
LM385B	S8-1.2	1.2V Bandgap Voltage Reference
LM385B	S8-2.5	2.5V Bandgap Voltage Reference
LT1004C	S8-1.2	1.2V Bandgap Voltage Reference
LT1004C	S8-2.5	2.5V Bandgap Voltage Reference
LT1004I	S8-1.2	1.2V Bandgap Voltage Reference
LT1004I	S8-2.5	2.5V Bandgap Voltage Reference
LT1009	S8	2.5V Reference
LT1009I	S8	2.5V Reference
LT1019C	S8-2.5	2.5V Precision Reference
LT1019C	S8-4.5	4.5V Precision Reference
LT1019C	S8-5	5V Precision Reference
LT1019C	S8-10	10V Precision Reference
LT1021DC	S8-5	5V Precision Reference
LT1021DC	S8-7	7V Precision Reference
LT1021DC	S8-10	10V Precision Reference
LT1027DC	S8-5	5V 5.0ppm Buried Zener Precision Reference
LT1027EC	S8-5	5V 7.5ppm Buried Zener Precision Reference
LT1034C	S8-1.2	1.2V Micropower Dual Reference: 7V
LT1034C	S8-2.5	2.5V Micropower Dual Reference: 7V
LT1034I	S8-2.5	2.5V Reference, 40ppm/°C Max TC
LT1236AC	S8-5	5V Precision Low Noise Reference
LT1236AC	S8-10	10V Precison Low Noise Reference
LT1236AI	S8-10	10V Precison Low Noise Reference
LT1236BC	S8-5	5V Precision Low Noise Reference
LT1236BC	S8-10	10V Precison Low Noise Reference
LT1236BI	S8-5	5V Precision Low Noise Reference
LT1236BI	S8-10	10V Precison Low Noise Reference
LT1236CC	S8-5	5V Precision Low Noise Reference
LT1236CC	S8-10	10V Precision Low Noise Reference
LT1236CI	S8-5	5V Precision Low Noise Reference
LT1236CI	S8-10	10V Precison Low Noise Reference
LT1431C	S8	Programmable Reference
LT1431I	S8	Programmable Reference
LT1460GC	Z-10	10V µPower Precision Series Bandgap Ref
LT1460GI	Z-10	10V µPower Precision Series Bandgap Ref
LT1460AC	S8-2.5	2.5V µPower Precision Series Bandgap Ref
LT1460KC	S3-2.5	2.5V µPower Precision Series Bandgap Ref
LT1460DC	S8-2.5	2.5V µPower Precision Series Bandgap Ref
LT1460JC	S3-5	5V µPower Precision Series Bandgap Ref
LT1460BI	S8-2.5	2.5V µPower Precision Series Bandgap Ref
LT1460JC	S3-2.5	2.5V µPower Precision Series Bandgap Ref
LT1460EI	S8-2.5	2.5V µPower Precision Series Bandgap Ref
LT1460KC	S3-5	5V µPower Precision Series Bandgap Ref
LT1460DC	S8-5	5V µPower Precision Series Bandgap Ref
LT1460BI	S8-5	5V µPower Precision Series Bandgap Ref
LT1460AC	S8-5	5V µPower Precision Series Bandgap Ref
LT1460CC	MS8-10	10V µPower Precision Series Bandgap Ref
LT1460FC	MS8-10	10V µPower Precision Series Bandgap Ref
LT1460HC	S3-5	5V µPower Precision Series Bandgap Ref
LT1460HC	S3-2.5	2.5V µPower Precision Series Bandgap Ref
LT1460EI	S8-10	10V µPower Precision Series Bandgap Ref
LT1460BI	S8-10	10V µPower Precision Series Bandgap Ref
LT1460CC	MS8-2.5	2.5V µPower Precision Series Bandgap Ref
LT1460AC	S8-10	10V µPower Precision Series Bandgap Ref
LT1460DC	S8-10	10V µPower Precision Series Bandgap Ref
LT1460CC	MS8-5	5V µPower Precision Series Bandgap Ref
LT1460FC	MS8-5	5V µPower Precision Series Bandgap Ref
LT1460GI	Z-2.5	2.5V µPower Precision Series Bandgap Ref
LT1460GC	Z-5	5V µPower Precision Series Bandgap Ref
LT1460GI	Z-5	5V µPower Precision Series Bandgap Ref
LT1460EI	S8-5	5V µPower Precision Series Bandgap Ref
LT1460FC	MS8-2.5	2.5V µPower Precision Series Bandgap Ref

PRODUCT		DESCRIPTION
LT1634BC	S8-2.5	2.5V µPwr Precision Shunt Voltage Ref
LT1634CC	Z-2.5	2.5V µPwr Precision Shunt Voltage Ref
LT1634BC	S8-1.25	1.25V µPwr Precision Shunt Voltage Ref
LT1634BI	S8-1.25	1.25V µPwr Precision Shunt Voltage Ref
LT1634BC	MS8-1.25	1.25V µPwr Precision Shunt Voltage Ref
LT1634CC	Z-1.25	1.25V µPwr Precision Shunt Voltage Ref
Interface Circuits		
LTC485C	S8	Ultralow Power RS485 Transceiver
LTC485I	S8	Ultralow Power RS485 Transceiver
LTC486C	SW	Ultralow Power RS485 Interface Device
LTC486I	SW	Ultralow Power RS485 Interface Device
LTC487C	SW	Ultralow Power RS485 Interface Device
LTC487I	SW	Ultralow Power RS485 Interface Device
LTC488C	SW	Ultralow Power RS485 Quad Receiver
LTC488I	SW	Ultralow Power RS485 Quad Receiver
LTC489C	SW	Ultralow Power RS485 Quad Receiver
LTC489I	SW	Ultralow Power RS485 Quad Receiver
LTC490C	S8	Ultralow Power RS485 Full-Duplex Transceiver
LTC490I	S8	Ultralow Power RS485 Full-Duplex Transceiver
LTC491C	S	Ultralow Power RS485 Full-Duplex Transceiver
LTC491I	S	Ultralow Power RS485 Full-Duplex Transceiver
LT1030C	SW	Quad Low Power Line Driver
LT1032C	SW	Quad Low Power Line Driver with Response Time Control
LT1039C	SW16	3-DX/3-RX RS232 Transceiver with Shutdown
LT1039I	SW16	3-DX/3-RX RS232 Transceiver with Shutdown
LT1039C	SW18	3-DX/3-RX RS232 Transceiver
LT1039AC	SW	15kV ESD Triple RS232 DX/RX
LT1080C	SW	Dual RS232 Transceiver with 5V to ±9V Pump & Shutdown
LT1080I	SW	Dual RS232 Transceiver with 5V to ±9V Pump
LT1081C	SW	Dual RS232 Transceiver with 5V to ±9V Pump & Shutdown
LT1081I	SW	Dual RS232 Transceiver with 5V to ±9V Pump
LT1130AC	SW	5-DX/5-RX RS232 Transceiver with 5V to ±9V Pump
LT1130AI	SW	5-DX/5-RX RS232 Transceiver with 5V to ±9V Pump
LT1131AC	SW	5-DX/4-RX RS232 Transceiver with 5V to ±9V Pump & Shutdown
LT1132AC	SW	5-DX/3-RX RS232 Transceiver with 5V to ±9V Pump
LT1133AC	SW	3-DX/5-RX RS232 Transceiver with 5V to ±9V Pump
LT1134AC	SW	4-DX/4-RX RS232 Transceiver with 5V to ±9V Pump
LT1134AI	SW	4-DX/4-RX 5V RS232 Transceiver
LT1135AC	SW	5-DX/3-RX RS232 Transceiver
LT1136AC	SW	4-DX/5-RX RS232 Transceiver with 5V to ±9V Pump & Shutdown
LT1137AC	G, SW	3-DX/5-RX RS232 Transceiver with 5V to ±9V Pump & Shutdown & ±10kV ESD
LT1137AI	SW	3-DX/5-RX RS232 Transceiver with 5V and Shutdown
LT1138AC	G, SW	5-DX/3-RX RS232 Transceiver with 5V to ±9V Pump & Shutdown
LT1138AI	G	5-DX/3-RX RS232 Receiver with Shutdown
LT1139AC	SW	4-DX/4-RX RS232 Transceiver, 5V/12V Powered with Shutdown
LT1140AC	SW	5-DX/3-RX RS232 Transceiver with Shutdown
LT1141AC	SW	3-DX/5-RX RS232 Transceiver with Shutdown
LT1180AC	SW	±10kV, 5V RS232 DX/RX with Shutdown, 0.1µF
LT1180AI	SW	Dual RS232 Transceiver with 5V to ±9V Pump & Shutdown
LT1181AC	SW	Dual RS232 Transceiver with 5V to ±9V Pump
LT1181AI	SW	Dual RS232 Transceiver with 5V to ±9V Pump
LT1237C	G, SW	3-DX/5-RX RS232 Transceiver with 5V to ± 9V Pump, Single RX Keep-Alive & Shutdown
LT1280AC	SW	Dual RS232 Transceiver with 5V to ±9V Pump & Shutdown
LT1280AI	SW	Dual RS232 Transceiver with 5V to ±9V Pump & Shutdown
LT1281AC	SW	Dual RS232 Transceiver with 5V to ±9V Pump

PRODUCT		DESCRIPTION
LT1281AI	SW	Dual RS232 Transceiver with 5V to ±9V Pump
LTC1318C	SW	Single 5V AppleTalk® DCE Transceiver
LT1319C	S	Infrared Receiver, Dual Output
LTC1320C	S	AppleTalk Transceiver
LTC1321C	S	Programmable EIA/TIA562/RS232 and RS485 Transceiver
LTC1321I	S	Programmable EIA/TIA562/RS232 and RS485 Transceiver
LTC1322C	S	Programmable EIA/TIA562/RS232 and RS485 Transceiver
LTC1322I	S	Programmable EIA/TIA562/RS232 and RS485 Transceiver
LTC1323C	G, SW	Single 5V AppleTalk Transceiver
LTC1324C	SW	5V Powered Apple/LocalTalk® Transceiver
LTC1327C	G, SW	3V Low Power EIA562 3-DX/5-RX Transceiver
LT1328C	MS8,S8	4Mbps Infrared Receiver
LT1330C	G, S	5V RS232 Transceiver with 3V Logic Interface and 1 RX Active in Shutdown
LT1331C	G, SW	3-DX/5-RX RS232 Transceiver with 3V-Only Supply
LT1332C	G, SW	3-DX/5-RX RS232 Transceiver with Low Power
LTC1334C	SW	5V Powered Programmable EIA/TIA232/485 Transceiver
LTC1334I	SW	5V Powered Programmable EIA/TIA232/485 Transceiver
LTC1335C	SW	Programmable EIA/TIA562 and RS485 Transceiver
LTC1335I	SW	Programmable EIA/TIA562 and RS485 Transceiver
LTC1337C	G, SW	3-DX/5-RX RS232 Transceiver with µPower
LTC1338C	G, SW	5V Low Power RS232 Transceiver with µPower
LTC1338I	G, SW	5V Low Power RS232 Transceiver with µPower
LT1341C	G, SW	3-DX/5-RX RS232 Transceiver with Shutdown and DX Disable
LT1342C	G, SW	3-DX/5-RX RS232 Transceiver with 3V & 5V Logic Supplies
LTC1345C	SW	Single Supply V.25 Diff Transceiver
LTC1345I	SW	Single Supply V.35 Diff Transceiver
LTC1346AC	SW	±5V Powered V.35 Diff Transceiver
LTC1347C	G, SW	5V Low Power RS232 3-DX/5-RX Transceiver with 5RX Active in Shutdown
LTC1348C	G, SW	3.3V Low Power RS232 3-DX/5-RX Transceiver
LTC1349C	G, SW	5V Low Power RS232 3-DX/5-RX Transceiver with 2RX Active in Shutdown
LTC1349I	G, SW	5V Low Power RS232 3-DX/5-RX Transceiver with 2RX Active in Shutdown
LTC1350C	G, SW	3.3V Low Power EIA/TIA562 3-DX/5-RX Transceiver
LTC1350I	G, SW	3.3V Low Power EIA/TIA562 3-DX/5-RX Transceiver
LT1381C	S	Dual RS232 Transceiver with Narrow 16-Lead SO
LT1381I	S	Dual RS232 Transceiver with Narrow 16-Lead SO
LTC1382C	SW	5V Low Power RS232 Transceiver
LTC1382I	SW	5V µPower 2Dx/2Rx RS232
LTC1383C	S	5V Low Power RS232 Transceiver
LTC1383I	S	5V µPower 2Dx/2Rx RS232
LTC1384C	G, SW	5V Low Power RS232 Transceiver with 3 RX Active in Shutdown
LTC1384I	G, SW	5V µPower 2Dx/2Rx RS232 with 2 Rx Keep Alive
LTC1385C	G, SW	3V Low Power EIA/TIA562 Transceiver with 2 RX Active in Shutdown
LTC1385I	G, SW	3V µPower 2Dx/2Rx RS232 w/2 Rx KeepAlive
LTC1386C	S	RS232 2-DX/2-RX in Narrow SO
LTC1386I	S	RS232 2-DX/2-RX in Narrow SO
LTC1480C	S8	3V Powered RS485 Transceiver
LTC1480I	S8	3V Powered RS485 Transceiver
LTC1481C	S8	Ultralow Power RS485 Transceiver with Shutdown
LTC1483C	S8	Low EMI Ultralow Power RS485 Transceiver with Shutdown
LTC1483I	S8	Low EMI Ultralow Power RS485 Transceiver with Shutdown
LTC1485C	S8	10Mbps Low Power High Speed RS485 DX/RX
LTC1485I	S8	10Mbps Low Power High Speed RS485 DX/RX

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PRODUCT		DESCRIPTION
LTC1487C	S8	High Input Impedance Ultralow Power RS485 Transceiver with Shutdown
LTC1518C	S	52Mbps Precision Quad RS485 Receiver
LTC1519C	S	52Mbps Precision Quad RS485 Receiver
LT1537C	G, SW	±15kV ESD Protected RS232 3-DX/5-RX
LTC1685C	S8	52Mbps Fail-Safe RS485 Transceiver
LTC1686C	S8	52Mbps Fail-Safe RS485 DX/RX
LTC1687C	S	52Mbps Fail-Safe RS485 DX/RX
Analog Switches		
LTC201AC	S	Micropower, Low Charge Injection, Quad CMOS Analog Switch
LTC202C	S	Micropower, Low Charge Injection, Quad CMOS Analog Switch
LTC203C	S	Micropower, Low Charge Injection, Quad CMOS Analog Switch
LTC221C	S	Micropower, Low Charge Injection, Quad CMOS Analog Switch with Data Latches
LTC222C	S	Micropower, Low Charge Injection, Quad CMOS Analog Switch with Data Latches
High Side Switches and Drivers		
LTC1153C	S8	Electronic Circuit Breaker
LTC1154C	S8	Single High Side MOSFET Switch Driver
LTC1155C	S8	Dual High Side MOSFET Switch Driver
LTC1155I	S8	Dual High Side MOSFET Switch Driver
LTC1156C	SW	Quad High Side MOSFET Switch Driver
LTC1157C	S8	Dual 3.3V Supply High-Side MOSFET Switch Driver
LT1158C	SW	Half-Bridge N-Channel Power MOSFET Driver
LT1158I	SW	Half-Bridge N-Channel Power MOSFET Driver
LT1160C	S	Half-Bridge N-Channel MOSFET Driver
LT1160I	S	Half-Bridge N-Channel MOSFET Driver
LT1161C	SW	Quad High Side MOSFET Driver
LT1161I	SW	Quad High Voltage, High Side N-Channel MOSFET Driver
LT1162C	S	Full-Bridge N-Channel MOSFET Driver
LT1162I	S	Full-Bridge N-Channel MOSFET Driver
LTC1163C	S8	Triple 1.8V Supply High-Side MOSFET Switch
LTC1165C	S8	Triple 1.8V Supply High-Side MOSFET Switch
LTC1177C	S, S-5 S-12	High Side Switch Driver
LTC1255C	S8	Dual 24V High Side Switch Driver
LTC1255I	S8	Dual 24V High Side Switch Driver
LTC1477C	S8	High Side Switches and Drivers
LTC1478C	S8	High Side Switches and Drivers
Watchdog Timer/Microprocessor Supervisory		
LTC690C	S8	Microprocessor Supervisory Circuit
LTC690I	S8	Microprocessor Supervisory Circuit
LTC691C	SW	Microprocessor Supervisory Circuit
LTC691I	SW	Microprocessor Supervisory Circuit

PRODUCT		DESCRIPTION
LTC692C	S8	Microprocessor Supervisory Circuit
LTC692I	S8	Microprocessor Supervisory Circuit
LTC693C	SW	Microprocessor Supervisory Circuit
LTC693I	SW	Microprocessor Supervisory Circuit
LTC694C	S8	Microprocessor Supervisory Circuit
LTC694C	S8-3.3	3.3V Microprocessor Supervisory Circuit
LTC694I	S8	Microprocessor Supervisory Circuit
LTC694I	S8-3.3	3.3V Microprocessor Supervisory Circuit
LTC695C	SW	Microprocessor Supervisory Circuit
LTC695C	S-3.3	3.3V Microprocessor Supervisory Circuit
LTC695I	SW	Microprocessor Supervisory Circuit
LTC695I	S-3.3	3.3V Microprocessor Supervisory Circuit
LTC699C	S8	Microprocessor Supervisory Circuit
LTC699I	S8	Microprocessor Supervisory Circuit
LTC1232C	S8	Microprocessor Supervisory Circuit
LTC1232I	S8	Microprocessor Supervisory Circuit
LTC1235C	SW	Microprocessor Supervisory Circuit
LTC1235I	SW	Microprocessor Supervisory Circuit
LTC1326C	MS8,S8	µPower Precision Triple Supply Monitor
LTC1536C	MS8,S8	µPower PCI-Compliant Triple Supply Monitor
Video Mulitplexers		
LT1203	S8	150MHz, 2:1 Video Multiplexer
LT1204	SW	4-Input Video Multiplexer with 75MHz CFA
LT1205	S	Dual 150MHz, 2:1 or 4:1 Video Multiplexer
PCMCIA Power Management		
LT1106C	F	µPower DC/DC Converter for PCMCIA Flash Memory Cards
LT1312C	S8	Single PCMCIA VPP Regulator
LT1313C	S	Dual PCMCIA VPP Regulator
LTC1314C	G, S	Single PCMCIA VPP Switch/V_{CC} Driver
LTC1315C	G, S	Dual PCMCIA VPP Switch/V_{CC} Driver
LTC1470C	S8	Single Protected 1A PCMCIA V_{CC} Switch
LTC1471C	S	Dual Protected 1A PCMCIA V_{CC} Switch
LTC1472C	S	Single Protected PCMCIA VPP and V_{CC} Switch
Power and Motor Control, Special Function		
LTC1340C	MS8,S8	Low Noise Varactor Driver
LTC1422C	S8	8-Pin Hot Swap™ Controller
LTC1422I	S8	8-Pin Hot Swap Controller
LTC1473C	GN	Dual PowerPath™ Switch Driver
LTC1473I	GN	Dual PowerPath Switch Driver
LTC1479C	G	Dual Battery PowerPath Controller
LTC1479I	G	Dual Battery PowerPath Controller
LTC1555C	GN	SIM Power Supply and Level Translator
LTC1555I	GN	SIM Power Supply and Level Translator
LTC1556C	GN	SIM Power Supply & Level Translator w/LDO
LTC1556I	GN SIM	Power Supply & Level Translator w/LDO

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