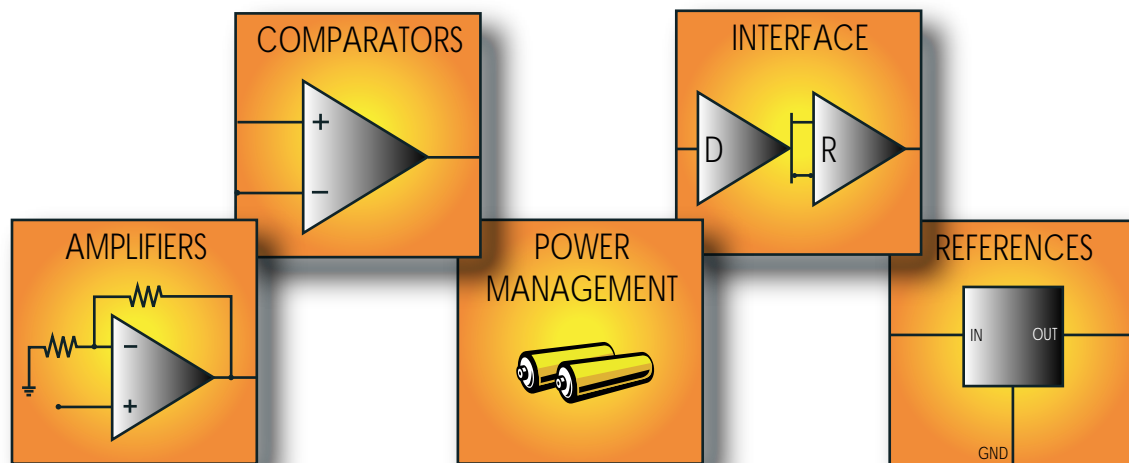


# Standard Linear Products

## Cross-Reference

Including Amplifiers, Comparators, Timers, Peripheral Drivers, Power Management Controllers, References, Regulators, Supervisors, Shunts, Transmitters and Receivers



# Standard Linear Products Cross-Reference 2006

## Introduction

This Standard Linear Products Cross-Reference is for Buyers and Distribution Specialists and will assist in finding a device made by Texas Instruments that is similar or identical to many of our competitors' standard linear products.

This updated version contains many more entries and reflects some of the information available in the Texas Instruments Cross-Reference on [www.ti.com](http://www.ti.com).

The Cross-Reference is divided into two sections. The first, titled *Standard Linear Cross-Reference by Device* lists devices in alphanumeric order with the TI equivalent device following the competitor's device. Pin counts, available package types, available temperature ranges, and a usage code follow.

The second section is a Packaging Information and Cross-Reference by Manufacturer.

## Notice

The TI equivalent devices are designated by Usage Code indicating their degree of suitability as a replacement. Every effort was made to insure the accuracy of this information but Texas Instruments does not guarantee or warrant that the cross-reference information is correct in all cases.

There are two Usage Codes given:

**S** – Replacement or Equivalent part type

**Q** – Same functionality but not an exact equivalent

**This Cross-Reference includes products with an “S” or “Q” designation. These codes must be used as a guide only.**

**Important:** Where so designated, Texas Instruments referenced devices are believed to be pin-for-pin electrically interchangeable. However, TI does not guarantee that interchangeability in a particular application is exact in all respects. Therefore, the applicable data sheets should be used to determine product interchangeability.

**Designers and others needing more comprehensive information about the full range of advanced analog products from Texas Instruments should visit the following internet site:**

[analog.ti.com](http://analog.ti.com)

**Additional publications and references can be found at this site.**



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## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
26C31	Intersil	AM26C31	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
26C31	QP Semiconductor	AM26C31	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
26C32	Intersil	AM26C32	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
26C32	QP Semiconductor	AM26C32	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
26LS31	QP Semiconductor	AM26C31	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
26LS32	QP Semiconductor	AM26C32	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
26LS32	QP Semiconductor	AM26LS32A	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP	0 to 70, -40 to 85, -55 to 125	S
26LS32A	Intersil	AM26LS32A	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP	0 to 70, -40 to 85, -55 to 125	S
26LS32A	QP Semiconductor	AM26LS32A	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP	0 to 70, -40 to 85, -55 to 125	S
26LS33	QP Semiconductor	AM26LS33A	16, 20	CDIP, CFP, LCCC, PDIP, SOIC	0 to 70, -55 to 125	S
26LS33A	QP Semiconductor	AM26LS33A	16, 20	CDIP, CFP, LCCC, PDIP, SOIC	0 to 70, -55 to 125	S
AAT3215-3.3	Advanced Analogic Technologies	TPS73133	5	SOT-23	-40 to 85	S
AD1856	Analog Devices (ADI)	PCM56	16	PDIP, SOIC		S
AD1896	Analog Devices (ADI)	SRC4192	28	SSOP	-40 to 85	S
AD5320	Analog Devices (ADI)	DAC7512	6, 8	MSOP, SOT-23	-40 to 105	S
AD5543	Analog Devices (ADI)	DAC8811	8	MSOP, SON	-40 to 85	S
AD5544	Analog Devices (ADI)	DAC8814	28	SSOP	-40 to 85	S
AD5553	Analog Devices (ADI)	DAC8801	8	MSOP, SON	-40 to 85	S
AD5554	Analog Devices (ADI)	DAC8803	28	SSOP	-40 to 85	S
AD574A	Analog Devices (ADI)	ADS574	28	PDIP		S
AD587	Analog Devices (ADI)	REF102	8	PDIP, SOIC	-25 to 85	S
AD587JN	Analog Devices (ADI)	REF102	8	PDIP, SOIC	-25 to 85	S
AD587JR	Analog Devices (ADI)	REF102	8	PDIP, SOIC	-25 to 85	S
AD587KN	Analog Devices (ADI)	REF102	8	PDIP, SOIC	-25 to 85	S
AD587LN	Analog Devices (ADI)	REF102	8	PDIP, SOIC	-25 to 85	S
AD589	Analog Devices (ADI)	LM385-1.2	3, 8	SOIC, SOP, TO-92, TSSOP	0 to 70	S
AD620	Analog Devices (ADI)	INA129	8	PDIP, SOIC	-40 to 125	S
AD622	Analog Devices (ADI)	INA129	8	PDIP, SOIC	-40 to 125	S
AD627	Analog Devices (ADI)	INA122	8	PDIP, SOIC		S
AD627	Analog Devices (ADI)	INA129	8	PDIP, SOIC	-40 to 125	S
AD629	Analog Devices (ADI)	INA117	8	PDIP, SOIC, TO-99	-40 to 85	S
AD648	Analog Devices (ADI)	OPA2111	8	PDIP, TO-99		Q
AD648	Analog Devices (ADI)	OPA2130	8	SOIC		S
AD648	Analog Devices (ADI)	OPA2137	8	MSOP, PDIP, SOIC	-40 to 85	Q
AD648	Analog Devices (ADI)	TL032	8	PDIP, SOIC, SOP	0 to 70, -40 to 85	Q
AD6644	Analog Devices (ADI)	ADS5423	52	QFP	-40 to 85	S
AD6645	Analog Devices (ADI)	ADS5423	52	QFP	-40 to 85	S
AD6645	Analog Devices (ADI)	ADS5424	52	QFP	-40 to 85	S
AD704	Analog Devices (ADI)	LM124	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
AD704	Analog Devices (ADI)	LM124A	14, 20	CDIP, LCCC	-55 to 125	S
AD706	Analog Devices (ADI)	OPA2277	8	PDIP, SOIC, SON	-40 to 85	S
AD707	Analog Devices (ADI)	OPA277	8	PDIP, SOIC, SON	-40 to 85	Q
AD708	Analog Devices (ADI)	LM158	8, 20	CDIP, LCCC	-55 to 125	S
AD708	Analog Devices (ADI)	LM158A	8, 20	CDIP, LCCC	-55 to 125	S
AD708	Analog Devices (ADI)	LT1013AM	8, 20	CDIP, LCCC	-55 to 125	S
AD708	Analog Devices (ADI)	LT1013M	8, 20	CDIP, LCCC	-55 to 125	S
AD708	Analog Devices (ADI)	OPA2277	8	PDIP, SOIC, SON	-40 to 85	S
AD712	Analog Devices (ADI)	OPA2107	8	PDIP, SOIC	-25 to 85	S
AD712	Analog Devices (ADI)	OPA2111	8	PDIP, TO-99		Q
AD712	Analog Devices (ADI)	OPA2131	8	SOIC	-55 to 125	Q
AD712	Analog Devices (ADI)	OPA2132	8	PDIP, SOIC	-40 to 125	Q
AD712	Analog Devices (ADI)	TL072A	8	PDIP, SOIC, SOP	0 to 70	S

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Usage Code: **S**=Equivalent, **Q**=Same functionality and pinout but not exact equivalent

\* **Must-Have product**

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
AD712	Analog Devices (ADI)	TL072B	8	PDIP, SOIC	0 to 70	S
AD712	Analog Devices (ADI)	TL082A	8	PDIP, SOIC, SOP	0 to 70	S
AD712	Analog Devices (ADI)	TL082B	8	PDIP, SOIC	0 to 70	S
AD713	Analog Devices (ADI)	OPA404	14, 16	CDIP, PDIP, SOIC	0 to 70	Q
AD713	Analog Devices (ADI)	OPA4131	14, 16	PDIP, SOIC		Q
AD713	Analog Devices (ADI)	TL074A	14	PDIP, SOIC, SOP	0 to 70	S
AD713	Analog Devices (ADI)	TL074B	14	PDIP, SOIC, SOP	0 to 70	S
AD713	Analog Devices (ADI)	TL084A	14	PDIP, SOIC, SOP	0 to 70	S
AD713	Analog Devices (ADI)	TL084B	14	PDIP, SOIC	0 to 70	S
AD713-16	Analog Devices (ADI)	OPA404	14, 16	CDIP, PDIP, SOIC	0 to 70	Q
AD713-16	Analog Devices (ADI)	OPA4131	14, 16	PDIP, SOIC		Q
AD7225	Analog Devices (ADI)	TLC7225	24	SOIC		S
AD7226	Analog Devices (ADI)	TLC7226	20	LCCC, PDIP, SOIC	-40 to 85, -55 to 125	S
AD743	Analog Devices (ADI)	OPA627	8	PDIP, SOIC, TO-99	-25 to 85	Q
AD7466	Analog Devices (ADI)	ADS7866	6	SOT-23	-40 to 85	S
AD7467	Analog Devices (ADI)	ADS7867	6	SOT-23	-40 to 85	S
AD7468	Analog Devices (ADI)	ADS7868	6	SOT-23	-40 to 85	S
AD7477	Analog Devices (ADI)	ADS7887	6	SC70, SOT-23	-40 to 125	S
AD7478	Analog Devices (ADI)	ADS7886	6	SC70, SOT-23	-40 to 125	S
AD7521	Harris Semiconductor (Intersil)	DAC7541	18	PDIP, SOP		S
AD7524	Analog Devices (ADI)	TLC7524	16, 20	PDIP, PLCC, SOIC, SOP, TSSOP	0 to 70	S
AD7528	Analog Devices (ADI)	TLC7528	20	PDIP, PLCC, SOIC, SOP, TSSOP	0 to 70, -25 to 85, -40 to 85	S
AD7531	Harris Semiconductor (Intersil)	DAC7541	18	PDIP, SOP		S
AD7537	Analog Devices (ADI)	DAC7801	24	PDIP, SOIC		S
AD7541	Harris Semiconductor (Intersil)	DAC7541	18	PDIP, SOP		S
AD7541A	Analog Devices (ADI)	DAC7541	18	PDIP, SOP		S
AD7545	Analog Devices (ADI)	DAC7545	20	PDIP, SOIC	-40 to 85	S
AD7628	Analog Devices (ADI)	TLC7528	20	PDIP, PLCC, SOIC, SOP, TSSOP	0 to 70, -25 to 85, -40 to 85	S
AD7628	Analog Devices (ADI)	TLC7628	20	PDIP, SOIC		S
AD7683	Analog Devices (ADI)	ADS8320	8	MSOP		S
AD7683	Analog Devices (ADI)	ADS8324	8	MSOP		S
AD7683	Analog Devices (ADI)	ADS8325	8	MSOP, SON	-40 to 85	S
AD775	Analog Devices (ADI)	TLC5510	24	SOP, TSSOP	-20 to 75	S
AD775	Analog Devices (ADI)	TLC5540	24	SOP, TSSOP	0 to 70, -40 to 85	S
AD7814	Analog Devices (ADI)	TMP125	6	SOT-23	-40 to 125	S
AD7820	Analog Devices (ADI)	TLC0820A	20	PDIP, PLCC, SOIC, SSOP	0 to 70	S
AD7836	Analog Devices (ADI)	ADS7825	28	PDIP, SOIC	-40 to 85	S
AD795	Analog Devices (ADI)	OPA124	8	SOIC	-25 to 85	S
AD795	Analog Devices (ADI)	TLE2161A	8, 20	CDIP, LCCC, SOIC	0 to 70, -55 to 125	S
AD8001	Analog Devices (ADI)	THS3201	5, 8	MSOP, SOIC, SOT-23	0 to 70, -40 to 85	Q
AD8002	Analog Devices (ADI)	THS3202	8	MSOP, SOIC	-40 to 85	Q
AD8004-14	Analog Devices (ADI)	OPA4684	14	SOIC, TSSOP	-40 to 85	Q
AD8005	Analog Devices (ADI)	THS3111	8	MSOP, SOIC	-40 to 85	Q
AD8007	Analog Devices (ADI)	THS3201	5, 8	MSOP, SOIC, SOT-23	0 to 70, -40 to 85	Q
AD8008	Analog Devices (ADI)	THS3202	8	MSOP, SOIC	-40 to 85	Q
AD8009	Analog Devices (ADI)	THS3201	5, 8	MSOP, SOIC, SOT-23	0 to 70, -40 to 85	Q
AD8010	Analog Devices (ADI)	THS3111	8	MSOP, SOIC	-40 to 85	Q
AD8010	Analog Devices (ADI)	THS3121	8	MSOP, SOIC	-40 to 85	Q
AD8010-16	Analog Devices (ADI)	THS3111	8	MSOP, SOIC	-40 to 85	Q
AD8010-16	Analog Devices (ADI)	THS3121	8	MSOP, SOIC	-40 to 85	Q
AD8011	Analog Devices (ADI)	THS3111	8	MSOP, SOIC	-40 to 85	Q
AD8012	Analog Devices (ADI)	OPA2684	8	SOIC, SOT-23	-40 to 125	Q
AD8012	Analog Devices (ADI)	OPA2691	8, 14	SOIC	-40 to 85	Q
AD8012	Analog Devices (ADI)	THS3202	8	MSOP, SOIC	-40 to 85	Q
AD8014	Analog Devices (ADI)	THS3201	5, 8	MSOP, SOIC, SOT-23	0 to 70, -40 to 85	Q
AD8017	Analog Devices (ADI)	OPA2674	8, 14	SOIC	-40 to 85	Q

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
AD8022	Analog Devices (ADI)	OPA2822	8	MSOP, SOIC	-40 to 85	S
AD8048	Analog Devices (ADI)	THS4211	8	MSOP, SOIC, SON	-40 to 85	Q
AD8048	Analog Devices (ADI)	THS4271	8	MSOP, SOIC, SON	-40 to 85	Q
AD8054	Analog Devices (ADI)	TL074A	14	PDIP, SOIC, SOP	0 to 70	Q
AD8072	Analog Devices (ADI)	OPA2691	8, 14	SOIC	-40 to 85	Q
AD8072	Analog Devices (ADI)	THS3202	8	MSOP, SOIC	-40 to 85	Q
AD8131	Analog Devices (ADI)	THS4500	8	MSOP, SOIC	0 to 70, -40 to 85	S
AD8138	Analog Devices (ADI)	THS4500	8	MSOP, SOIC	0 to 70, -40 to 85	S
AD817	Analog Devices (ADI)	THS4041	8	MSOP, SOIC	0 to 70, -40 to 85	Q
AD8221	Analog Devices (ADI)	TL082A	8	PDIP, SOIC, SOP	0 to 70	Q
AD823	Analog Devices (ADI)	OPA2131	8	SOIC	-55 to 125	Q
AD823	Analog Devices (ADI)	OPA2132	8	PDIP, SOIC	-40 to 125	Q
AD824	Analog Devices (ADI)	OPA4132	14	SOIC	-40 to 85	Q
AD824	Analog Devices (ADI)	TL084A	14	PDIP, SOIC, SOP	0 to 70	S
AD824	Analog Devices (ADI)	TLE2064	14	PDIP, SOIC	0 to 70, -40 to 85	Q
AD824	Analog Devices (ADI)	TLV274	14	PDIP, SOIC, TSSOP	0 to 70, -40 to 125	Q
AD824-14	Analog Devices (ADI)	OPA4132	14	SOIC	-40 to 85	Q
AD824-14	Analog Devices (ADI)	TL084A	14	PDIP, SOIC, SOP	0 to 70	S
AD824-14	Analog Devices (ADI)	TLE2064	14	PDIP, SOIC	0 to 70, -40 to 85	Q
AD824-14	Analog Devices (ADI)	TLV274	14	PDIP, SOIC, TSSOP	0 to 70, -40 to 125	Q
AD824-14-3	Analog Devices (ADI)	OPA4132	14	SOIC	-40 to 85	Q
AD824-14-3	Analog Devices (ADI)	TLE2064	14	PDIP, SOIC	0 to 70, -40 to 85	Q
AD824-14-3	Analog Devices (ADI)	TLV274	14	PDIP, SOIC, TSSOP	0 to 70, -40 to 125	Q
AD824-3	Analog Devices (ADI)	OPA4132	14	SOIC	-40 to 85	Q
AD824-3	Analog Devices (ADI)	TLV274	14	PDIP, SOIC, TSSOP	0 to 70, -40 to 125	Q
AD826	Analog Devices (ADI)	THS4042	8	MSOP, SOIC	0 to 70, -40 to 85	Q
AD826	Analog Devices (ADI)	THS4052	8	MSOP, SOIC	0 to 70, -40 to 85	Q
AD847	Analog Devices (ADI)	THS4041	8	MSOP, SOIC	0 to 70, -40 to 85	Q
AD848	Analog Devices (ADI)	THS4031	8, 20	CDIP, LCCC, MSOP, SOIC	0 to 70, -40 to 85, -55 to 125	Q
AD8510	Analog Devices (ADI)	OPA121	8	SOIC	0 to 70	Q
AD8510	Analog Devices (ADI)	OPA130	8	SOIC	-40 to 125	Q
AD8510	Analog Devices (ADI)	TL081	8	PDIP, SOIC, SOP	0 to 70, -40 to 85	Q
AD8510	Analog Devices (ADI)	TL081A	8	PDIP, SOIC	0 to 70	Q
AD8510	Analog Devices (ADI)	TL081B	8	PDIP, SOIC	0 to 70	Q
AD8510	Analog Devices (ADI)	TLE2061	8	PDIP, SOIC		Q
AD8510	Analog Devices (ADI)	TLE2061A	8	PDIP, SOIC		Q
AD8510	Analog Devices (ADI)	TLE2161	8, 20	CDIP, LCCC, SOIC	0 to 70, -55 to 125	Q
AD8510	Analog Devices (ADI)	TLE2161A	8, 20	CDIP, LCCC, SOIC	0 to 70, -55 to 125	Q
AD8512	Analog Devices (ADI)	OPA2132	8	PDIP, SOIC	-40 to 125	Q
AD8512	Analog Devices (ADI)	TL082A	8	PDIP, SOIC, SOP	0 to 70	Q
AD8512	Analog Devices (ADI)	TL082B	8	PDIP, SOIC	0 to 70	Q
AD8512	Analog Devices (ADI)	TLE2062	8	PDIP, SOIC		Q
AD8513	Analog Devices (ADI)	OPA4132	14	SOIC	-40 to 85	Q
AD8517	Analog Devices (ADI)	TLV2241	5, 8	PDIP, SOIC, SOT-23	0 to 70, -40 to 125	Q
AD8529	Analog Devices (ADI)	OPA2743	8	MSOP, PDIP, SOIC	-40 to 85	Q
AD8531	Analog Devices (ADI)	OPA337	5, 8	MSOP, PDIP, SOIC, SOT-23		Q
AD8531	Analog Devices (ADI)	OPA340	5, 8	PDIP, SOIC, SOT-23		Q
AD8532	Analog Devices (ADI)	OPA2337	8	PDIP, SOIC, SOT-23	-40 to 85	Q
AD8532	Analog Devices (ADI)	OPA2338	8	SOIC, SOT-23	-40 to 85	Q
AD8532	Analog Devices (ADI)	OPA2340	8	MSOP, PDIP, SOIC	-40 to 85	Q
AD8534	Analog Devices (ADI)	OPA4340	14, 16	QSOP, SOIC	-40 to 85	Q
AD8541	Analog Devices (ADI)	OPA336	5, 8	SOIC, SOT-23	-40 to 85	Q
AD8541	Analog Devices (ADI)	OPA337	5, 8	MSOP, PDIP, SOIC, SOT-23		Q
AD8541	Analog Devices (ADI)	OPA338	5, 8	SOIC, SOT-23		Q
AD8541	Analog Devices (ADI)	OPA342	5, 8	SOIC, SOT-23		Q
AD8541	Analog Devices (ADI)	OPA344	5, 8	PDIP, SOIC, SOT-23		Q
AD8541	Analog Devices (ADI)	OPA349	5, 8	SC70, SOIC, SOT-23		Q
AD8541	Analog Devices (ADI)	OPA705	5, 8	PDIP, SOIC, SOT-23		Q
AD8541	Analog Devices (ADI)	TLC271	8	PDIP, SOIC, SOP, TSSOP	0 to 70, -55 to 125	Q
AD8542	Analog Devices (ADI)	OPA2337	8	PDIP, SOIC, SOT-23	-40 to 85	Q
AD8542	Analog Devices (ADI)	OPA2342	8	MSOP, SOIC		Q

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Usage Code: S=Equivalent, Q=Same functionality and pinout but not exact equivalent

\* Must-Have product

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
AD8542	Analog Devices (ADI)	OPA2344	8	MSOP, PDIP, SOIC		Q
AD8542	Analog Devices (ADI)	OPA2348	8	SOIC, SOT-23	-40 to 125	Q
AD8542	Analog Devices (ADI)	TLC272	8	PDIP, SOIC, SOP, TSSOP	0 to 70	Q
AD8542	Analog Devices (ADI)	TLC277	8	PDIP, SOIC, SOP		Q
AD8542	Analog Devices (ADI)	TLV2762	8	MSOP, PDIP, SOIC	0 to 70, -40 to 85	Q
AD8544	Analog Devices (ADI)	OPA4344	14	PDIP, SOIC, TSSOP		Q
AD8544	Analog Devices (ADI)	OPA4348	14	SOIC, TSSOP		Q
AD8544	Analog Devices (ADI)	TLC274	14	PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70, -55 to 125	Q
AD8544	Analog Devices (ADI)	TLC279	14	PDIP, SOIC, SSOP		Q
AD8544	Analog Devices (ADI)	TLV2764	14	PDIP, SOIC, TSSOP	0 to 70, -40 to 85	Q
AD8551	Analog Devices (ADI)	OPA335	5, 8	SOIC, SOT-23	-40 to 125	S
AD8551	Analog Devices (ADI)	TLC4501	8	SOIC	-40 to 125	Q
AD8552	Analog Devices (ADI)	OPA2335	8	MSOP, SOIC		S
AD8552	Analog Devices (ADI)	TLC4502	8	SOIC	-40 to 125	Q
AD8571	Analog Devices (ADI)	OPA335	5, 8	SOIC, SOT-23	-40 to 125	S
AD8571	Analog Devices (ADI)	TLC2652	8, 14, 20	CDIP, LCCC, PDIP, SOIC	-40 to 125, -55 to 125	Q
AD8572	Analog Devices (ADI)	OPA2335	8	MSOP, SOIC		S
AD8591	Analog Devices (ADI)	OPA340	5, 8	PDIP, SOIC, SOT-23		Q
AD8601	Analog Devices (ADI)	OPA340	5, 8	PDIP, SOIC, SOT-23		Q
AD8602	Analog Devices (ADI)	OPA2337	8	PDIP, SOIC, SOT-23	-40 to 85	Q
AD8602	Analog Devices (ADI)	OPA2340	8	MSOP, PDIP, SOIC	-40 to 85	Q
AD8602	Analog Devices (ADI)	OPA2343	8	MSOP, SOIC		Q
AD8604	Analog Devices (ADI)	OPA4340	14, 16	QSOP, SOIC	-40 to 85	Q
AD8604	Analog Devices (ADI)	OPA4343	14, 16	QSOP, SOIC, TSSOP		Q
AD8631	Analog Devices (ADI)	TLV2781	5, 8	SOIC, SOT-23	0 to 70, -40 to 125	Q
AD8632	Analog Devices (ADI)	TLV2782	8	MSOP, PDIP, SOIC	0 to 70, -40 to 125	Q
AD9617	Analog Devices (ADI)	OPA691	6, 8	SOIC, SOT-23	-40 to 85	S
AD9618	Analog Devices (ADI)	THS3201	5, 8	MSOP, SOIC, SOT-23	0 to 70, -40 to 85	Q
AD9708	Analog Devices (ADI)	DAC908	28	SOIC, TSSOP		S
AD9740	Analog Devices (ADI)	DAC900	28	SOIC, TSSOP	-40 to 85	S
AD9740	Analog Devices (ADI)	THS5651A	28	SOIC, TSSOP	-40 to 85	S
AD9742	Analog Devices (ADI)	DAC902	28	SOIC, TSSOP	-40 to 85	S
AD9742	Analog Devices (ADI)	THS5661A	28	SOIC, TSSOP	-40 to 85	S
AD9744	Analog Devices (ADI)	DAC904	28	SOIC, TSSOP	-40 to 85	S
AD9750	Analog Devices (ADI)	DAC900	28	SOIC, TSSOP	-40 to 85	S
AD9750	Analog Devices (ADI)	THS5651A	28	SOIC, TSSOP	-40 to 85	S
AD9752	Analog Devices (ADI)	DAC902	28	SOIC, TSSOP	-40 to 85	S
AD9752	Analog Devices (ADI)	THS5661A	28	SOIC, TSSOP	-40 to 85	S
AD9754	Analog Devices (ADI)	DAC904	28	SOIC, TSSOP	-40 to 85	S
AD9754	Analog Devices (ADI)	THS5671A	28	SOIC, TSSOP	-40 to 85	S
AD976	Analog Devices (ADI)	ADS7805	28	PDIP, SOIC	-25 to 85	S
AD9760	Analog Devices (ADI)	DAC900	28	SOIC, TSSOP	-40 to 85	S
AD9760	Analog Devices (ADI)	THS5651A	28	SOIC, TSSOP	-40 to 85	S
AD9762	Analog Devices (ADI)	DAC902	28	SOIC, TSSOP	-40 to 85	S
AD9762	Analog Devices (ADI)	THS5661A	28	SOIC, TSSOP	-40 to 85	S
AD9763	Analog Devices (ADI)	DAC2900	48	TQFP	-40 to 85	S
AD9763	Analog Devices (ADI)	DAC5652	48	TQFP	-40 to 85	S
AD9764	Analog Devices (ADI)	DAC904	28	SOIC, TSSOP	-40 to 85	S
AD9765	Analog Devices (ADI)	DAC2902	48	TQFP	-40 to 85	S
AD9765	Analog Devices (ADI)	DAC5662	48	TQFP	-40 to 85	S
AD9767	Analog Devices (ADI)	DAC2904	48	TQFP	-40 to 85	S
AD9767	Analog Devices (ADI)	DAC5672	48	TQFP	-40 to 85	S
AD976A	Analog Devices (ADI)	ADS7805	28	PDIP, SOIC	-25 to 85	S
AD976B	Analog Devices (ADI)	ADS7805	28	PDIP, SOIC	-25 to 85	S
AD976C	Analog Devices (ADI)	ADS7805	28	PDIP, SOIC	-25 to 85	S
AD977A	Analog Devices (ADI)	ADS7809	20	SOIC	-40 to 85	S
AD977B	Analog Devices (ADI)	ADS7809	20	SOIC	-40 to 85	S
AD977C	Analog Devices (ADI)	ADS7809	20	SOIC	-40 to 85	S
ADC0811	National Semiconductor	TLC540	20	PDIP, PLCC, SOIC		S
ADC0811	National Semiconductor	TLC541	20	PDIP, PLCC, SOIC, SOP		S
ADC0820	National Semiconductor	TLC0820A	20	PDIP, PLCC, SOIC, SSOP	0 to 70	S

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\* **Must-Have product**

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
ADC0820	Philips Semiconductor	TLC0820A	20	PDIP, PLCC, SOIC, SSOP	0 to 70	S
ADC0820	Signetics (Philips)	TLC0820A	20	PDIP, PLCC, SOIC, SSOP	0 to 70	S
ADC0831	National Semiconductor	TLC0831	8	PDIP, SOIC		S
ADC0832	National Semiconductor	TLC0832	8	PDIP, SOIC		S
ADC0834	National Semiconductor	TLC0834	14	PDIP, SOIC		S
ADC0838	National Semiconductor	TLC0838	20	PDIP, SOIC, TSSOP	0 to 70, -40 to 85	S
ADC08832	Analog Devices (ADI)	TLV0832	8	PDIP, SOIC		S
ADC1175	National Semiconductor	TLC5510	24	SOP, TSSOP	-20 to 75	S
ADC1175	National Semiconductor	TLC5510A	24	SOP	-20 to 75	S
ADF4113	Analog Devices (ADI)	TRF3750	16, 20	QFN, TSSOP	-40 to 85	S
ADG3257	Analog Devices (ADI)	TS3A5018	16	QSOP, SOIC, TSSOP, TVSOP	-40 to 85	S
ADG408	Analog Devices (ADI)	MPC508	16	PDIP, SOIC	-40 to 85	S
ADM1181A	Analog Devices (ADI)	MAX202	16	SOIC, TSSOP	0 to 70, -40 to 85	Q
ADM202	Analog Devices (ADI)	MAX202	16	SOIC, TSSOP	0 to 70, -40 to 85	S
ADM202E	Analog Devices (ADI)	MAX202	16	SOIC, TSSOP	0 to 70, -40 to 85	Q
ADM207E	Analog Devices (ADI)	MAX207	24	SOIC, SSOP	0 to 70, -40 to 85	S
ADM208	Analog Devices (ADI)	MAX208	24	PDIP, SOIC, SSOP	0 to 70, -40 to 85	S
ADM208E	Analog Devices (ADI)	MAX208	24	PDIP, SOIC, SSOP	0 to 70, -40 to 85	Q
ADM211E	Analog Devices (ADI)	MAX211	28	SOIC, SSOP	0 to 70, -40 to 85	S
ADM211E	Analog Devices (ADI)	MAX211E	20, 28	Planned	0 to 70, -40 to 85	Q
ADM232A	Analog Devices (ADI)	MAX232	16	PDIP, SOIC, SOP	0 to 70, -40 to 85	Q
ADM232L	Analog Devices (ADI)	MAX232	16	PDIP, SOIC, SOP	0 to 70, -40 to 85	S
ADM3222	Analog Devices (ADI)	MAX3222E	20, 24	QFN, SOIC, SSOP, TSSOP	0 to 70, -40 to 85	Q
ADM485	Analog Devices (ADI)	SN65HVD485E	8	MSOP, PDIP, SOIC	-40 to 85	S
ADM663	Analog Devices (ADI)	TPS7250	8	PDIP, SOIC, TSSOP	-40 to 125	Q
ADM666	Analog Devices (ADI)	TPS7250	8	PDIP, SOIC, TSSOP	-40 to 125	Q
ADM706	Analog Devices (ADI)	TPS3705-30	8	MSOP, SOIC	-40 to 85	S
ADM706	Analog Devices (ADI)	TPS3705-33	8	MSOP, SOIC	-40 to 85	S
ADM706	Analog Devices (ADI)	TPS3707-50	8	MSOP, SOIC	-40 to 85	S
ADM708	Analog Devices (ADI)	TPS3707-30	8	MSOP, SOIC	-40 to 85	S
ADM708	Analog Devices (ADI)	TPS3707-33	8	MSOP, SOIC	-40 to 85	S
ADM708	Analog Devices (ADI)	TPS3707-50	8	MSOP, SOIC	-40 to 85	S
ADM809	Analog Devices (ADI)	TPS3809L30	3	SOT-23	-40 to 85	S
ADM809R	Analog Devices (ADI)	TPS3809L30	3	SOT-23	-40 to 85	S
ADP3308-2.9	Analog Devices (ADI)	TPS76032	5	SOT-23		Q
ADP3308-3	Analog Devices (ADI)	TPS76030	5	SOT-23		S
ADP3308-3	Analog Devices (ADI)	TPS76033	5	SOT-23		Q
ADP3308-3	Analog Devices (ADI)	TPS76050	5	SOT-23		Q
ADP3308-3.3	Analog Devices (ADI)	TPS76032	5	SOT-23		Q
ADP3309-2.5	Analog Devices (ADI)	TPS76925	5	SOT-23		S
ADP3309-2.7	Analog Devices (ADI)	TPS76033	5	SOT-23		Q
ADP3309-2.7	Analog Devices (ADI)	TPS76130	5	SOT-23		Q
ADP3309-2.7	Analog Devices (ADI)	TPS76927	5	SOT-23		S
ADP3309-2.85	Analog Devices (ADI)	LP2985-28	5	DSBGA, SOT-23	-40 to 125	Q
ADP3309-2.85	Analog Devices (ADI)	TPS76032	5	SOT-23		Q
ADP3309-2.85	Analog Devices (ADI)	TPS76327	5	SOT-23		Q
ADP3309-2.85	Analog Devices (ADI)	TPS76430	5	SOT-23		Q
ADP3309-2.85	Analog Devices (ADI)	TPS79030	5	SOT-23	-40 to 125	Q
ADP3309-2.9	Analog Devices (ADI)	TPS76032	5	SOT-23		Q
ADP3309-2.9	Analog Devices (ADI)	TPS76430	5	SOT-23		Q
ADP3309-2.9	Analog Devices (ADI)	TPS79030	5	SOT-23	-40 to 125	Q
ADP3309-3	Analog Devices (ADI)	TPS76030	5	SOT-23		S
ADP3309-3	Analog Devices (ADI)	TPS76033	5	SOT-23		Q
ADP3309-3	Analog Devices (ADI)	TPS76038	5	SOT-23		Q
ADP3309-3	Analog Devices (ADI)	TPS76050	5	SOT-23		Q
ADP3309-3	Analog Devices (ADI)	TPS76130	5	SOT-23		S
ADP3309-3	Analog Devices (ADI)	TPS76132	5	SOT-23		Q
ADP3309-3	Analog Devices (ADI)	TPS76133	5	SOT-23		Q
ADP3309-3	Analog Devices (ADI)	TPS76138	5	SOT-23		Q
ADP3309-3	Analog Devices (ADI)	TPS76150	5	SOT-23		Q
ADP3309-3	Analog Devices (ADI)	TPS76301	5	SOT-23		Q
ADP3309-3	Analog Devices (ADI)	TPS76316	5	SOT-23		Q

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## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
ADP3309-3	Analog Devices (ADI)	TPS76318	5	SOT-23	-40 to 125	Q
ADP3309-3	Analog Devices (ADI)	TPS76325	5	SOT-23		Q
ADP3309-3	Analog Devices (ADI)	TPS76328	5	SOT-23		Q
ADP3309-3	Analog Devices (ADI)	TPS76330	5	SOT-23		S
ADP3309-3	Analog Devices (ADI)	TPS76333	5	SOT-23		Q
ADP3309-3	Analog Devices (ADI)	TPS76338	5	SOT-23		Q
ADP3309-3	Analog Devices (ADI)	TPS76350	5	SOT-23		Q
ADP3309-3	Analog Devices (ADI)	TPS76425	5	SOT-23		Q
ADP3309-3	Analog Devices (ADI)	TPS76427	5	SOT-23		Q
ADP3309-3	Analog Devices (ADI)	TPS76428	5	SOT-23		Q
ADP3309-3	Analog Devices (ADI)	TPS76430	5	SOT-23		S
ADP3309-3	Analog Devices (ADI)	TPS76433	5	SOT-23		Q
ADP3309-3	Analog Devices (ADI)	TPS79030	5	SOT-23	-40 to 125	S
ADP3309-3.0	Analog Devices (ADI)	LP2985-30	5	Planned	-40 to 125	S
ADP3309-3.0	Analog Devices (ADI)	LP2985-30	5	Planned	-40 to 125	S
ADP3309-3.3	Analog Devices (ADI)	LP2985-33	5	DSBGA, SOT-23	-40 to 125	S
ADP3309-3.3	Analog Devices (ADI)	TPS76032	5	SOT-23		Q
ADP3309-3.3	Analog Devices (ADI)	TPS76430	5	SOT-23		Q
ADP3309-3.3	Analog Devices (ADI)	TPS79030	5	SOT-23	-40 to 125	Q
ADP3309-3.6	Analog Devices (ADI)	TPS76032	5	SOT-23		Q
ADP3309-3.6	Analog Devices (ADI)	TPS76430	5	SOT-23		Q
ADP3309-3.6	Analog Devices (ADI)	TPS79030	5	SOT-23	-40 to 125	Q
ADP3334	Analog Devices (ADI)	TPS7101	8, 20	PDIP, SOIC, TSSOP	-40 to 125	Q
ADP3338-1.8	Analog Devices (ADI)	REG1117A-18	3, 4	SOT-223, TO-263		S
ADP3338-2.5	Analog Devices (ADI)	REG1117A-25	3, 4	SOT-223, TO-263		S
ADP3367	Analog Devices (ADI)	TPS7201	8	PDIP, SOIC, TSSOP	-40 to 125	Q
ADP3367	Analog Devices (ADI)	TPS7233	8	PDIP, SOIC, TSSOP	-40 to 125	Q
ADP3367	Analog Devices (ADI)	TPS7248	8	PDIP, SOIC, TSSOP	-40 to 125	Q
ADP3367	Analog Devices (ADI)	TPS7250	8	PDIP, SOIC, TSSOP	-40 to 125	Q
ADP3367	Analog Devices (ADI)	TPS72501	5, 6, 8	SOIC, SOT-223, TO-263	-40 to 125	Q
ADP667	Analog Devices (ADI)	TPS7233	8	PDIP, SOIC, TSSOP	-40 to 125	Q
ADP667	Analog Devices (ADI)	TPS7248	8	PDIP, SOIC, TSSOP	-40 to 125	Q
ADP667	Analog Devices (ADI)	TPS7250	8	PDIP, SOIC, TSSOP	-40 to 125	Q
ADP667	Analog Devices (ADI)	TPS7333	8, 20	PDIP, SOIC, TSSOP	-40 to 125	Q
ADP667	Analog Devices (ADI)	TPS7350	8, 20	PDIP, SOIC, TSSOP	-40 to 125	Q
ADR02	Analog Devices (ADI)	REF02	8	PDIP, SOIC	-40 to 85	S
ADR370	Analog Devices (ADI)	REF2920	3	SOT-23	-40 to 125	S
ADR370	Analog Devices (ADI)	REF3020	3	SOT-23	-40 to 125	S
AM26LS31	Rochester Electronics	AM26C31	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
AM26LS31B	Advanced Micro Devices	AM26C31	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
AM26LS32	Rochester Electronics	AM26C32	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
AM26LS32	Rochester Electronics	AM26LS32A	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP	0 to 70, -40 to 85, -55 to 125	S
AMP02	Analog Devices (ADI)	INA118	8	PDIP, SOIC		S
AN1431	Matsushita (Panasonic)	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
APL431A	Anpec Electronics Corporation	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
APL431A	Anpec Electronics Corporation	TL431B	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
APL431A	Anpec Electronics Corporation	TL432A	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	Q
APL431A	Anpec Electronics Corporation	TL432B	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	Q
APL431B	Anpec Electronics Corporation	TL432A	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	Q
APW34063	Anpec Electronics Corporation	MC34063A*	8	PDIP, SOIC	0 to 70	S
AU211	Philips Semiconductor	LM211	8	PDIP, SOIC, TSSOP	-40 to 85, -40 to 125	S

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## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
AU7555	Philips Semiconductor	TLC555	8, 14, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	Q
AZ431A-A	Advanced Analog Circuits Corp	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
AZ431A-A	Advanced Analog Circuits Corp	TL431B	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
AZ431A-B	Advanced Analog Circuits Corp	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
AZ431A-B	Advanced Analog Circuits Corp	TL431B	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
AZ431B-A	Advanced Analog Circuits Corp	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
AZ431B-A	Advanced Analog Circuits Corp	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
AZ431B-B	Advanced Analog Circuits Corp	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
AZ431B-B	Advanced Analog Circuits Corp	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
AZ431L	Advanced Analog Circuits Corp	TLV431A*	3, 5, 8	SOIC, SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	S
AZ4580	Advanced Analog Circuits Corp	RC4580	8	PDIP, SOIC, TSSOP	-40 to 85	S
AZ4581	Advanced Analog Circuits Corp	RC4580	8	PDIP, SOIC, TSSOP	-40 to 85	S
BA4560	Rohm Electronics	RC4560	8	PDIP, SOIC, TSSOP	-40 to 85	S
BUF04	Analog Devices (ADI)	THS3001	8	MSOP, SOIC	0 to 70, -40 to 85	Q
CA0124	Intersil	LM124	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
CA1524	Intersil	UC1524A	16, 20	CDIP, LCCC	-55 to 125	S
CA1558	Intersil	MC1558	8, 20	CDIP, LCCC	-55 to 125	S
CLC409A	National Semiconductor	THS3201	5, 8	MSOP, SOIC, SOT-23	0 to 70, -40 to 85	Q
CM3512	California Micro Devices	TPS2062	8	MSOP, SOIC	-40 to 85	S
CP2206	ENE Technology Inc.	TPS2206A	30, 32	HTSSOP, SSOP	-40 to 85	S
CP2211	ENE Technology Inc.	TPS2211A	16, 20	HTSSOP, SSOP, TSSOP	-40 to 85	S
CP2216	ENE Technology Inc.	TPS2216A	30, 32	HTSSOP, SSOP	-40 to 70	S
CXD1175	Sony	TLC5510	24	SOP, TSSOP	-20 to 75	S
CXD1175	Sony	TLC5510A	24	SOP	-20 to 75	S
CY2212	Cypress Semiconductor	CDCR61A	16	TSSOP	-40 to 85	S
DAC8043	Analog Devices (ADI)	DAC8043	8	SOIC		S
DAC8043XP	Analog Devices (ADI)	DAC8043	8	SOIC		S
DAC8412	Analog Devices (ADI)	DAC7724	28	PLCC, SOIC		S
DAC8413	Analog Devices (ADI)	DAC7725	28	PLCC, SOIC		S
DAC8420	Analog Devices (ADI)	DAC7714	16	SOIC		S
DAC8512	Analog Devices (ADI)	DAC7611	8	PDIP, SOIC	-40 to 85	S
DG407	Vishay Siliconix (SI)	MPC507	28	PDIP, SOIC		S
DS1225	Dallas Semiconductor (Now Maxim)	BQ4010	28	DIP Module	0 to 70	S
DS1225	Maxim	BQ4010	28	DIP Module	0 to 70	S
DS1225	Dallas Semiconductor (Now Maxim)	BQ4010Y	28	DIP Module	0 to 70, -40 to 85	S
DS1225	Maxim	BQ4010Y	28	DIP Module	0 to 70, -40 to 85	S
DS1245	Dallas Semiconductor (Now Maxim)	BQ4013	32	DIP Module	0 to 70	S
DS1245	Maxim	BQ4013	32	DIP Module	0 to 70	S
DS1245	Dallas Semiconductor (Now Maxim)	BQ4013Y	32	DIP Module	0 to 70, -40 to 85	S
DS1245	Maxim	BQ4013Y	32	DIP Module	0 to 70, -40 to 85	S
DS1249	Dallas Semiconductor (Now Maxim)	BQ4014	32	DIP Module	0 to 70	S
DS1249	Dallas Semiconductor (Now Maxim)	BQ4014Y	32	DIP Module	0 to 70	S
DS1250	Dallas Semiconductor (Now Maxim)	BQ4015	32	DIP Module	0 to 70	S

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## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
DS1250	Dallas Semiconductor (Now Maxim)	BQ4015Y	32	DIP Module	0 to 70	S
DS1265	Dallas Semiconductor (Now Maxim)	BQ4016	36	DIP Module	0 to 70	S
DS1265	Dallas Semiconductor (Now Maxim)	BQ4016Y	36	DIP Module		S
DS1270	Dallas Semiconductor (Now Maxim)	BQ4017	36	DIP Module	0 to 70	S
DS1270	Dallas Semiconductor (Now Maxim)	BQ4017Y	36	DIP Module		S
DS12887	Maxim	BQ3287	24	DIP Module	0 to 70, -20 to 70	S
DS14185	National Semiconductor	SN75LP1185	20	PDIP, SOIC, SSOP	0 to 70	Q
DS14196	National Semiconductor	SN75LP196	20	PDIP, SOIC, SSOP, TSSOP	0 to 70	S
DS1488	National Semiconductor	SN75188	14	PDIP, SOIC, SOP	0 to 70	Q
DS1489	National Semiconductor	SN75189	14	PDIP, SOIC, SOP	0 to 70	Q
DS1489A	National Semiconductor	SN75189A	14	PDIP, SOIC, SOP	0 to 70	Q
DS14C232	National Semiconductor	MAX232	16	PDIP, SOIC, SOP	0 to 70, -40 to 85	S
DS14C88	National Semiconductor	SN75C188	14	PDIP, SOIC, SOP, SSOP	0 to 70	S
DS14C89A	National Semiconductor	SN75C189A	14	PDIP, SOIC, SOP, SSOP	0 to 70	Q
DS1706	Dallas Semiconductor (Now Maxim)	TPS3705-30	8	MSOP, SOIC	-40 to 85	S
DS1708	Dallas Semiconductor (Now Maxim)	TPS3707-30	8	MSOP, SOIC	-40 to 85	S
DS2002	National Semiconductor	ULN2002A	16	PDIP	-20 to 70	S
DS2004	National Semiconductor	ULN2004AI	16	PDIP, SOIC, SOP	-40 to 105	S
DS2118	Dallas Semiconductor (Now Maxim)	UCC5630A	36, 48	LQFP, SSOP	0 to 70	S
DS2118	Maxim	UCC5630A	36, 48	LQFP, SSOP	0 to 70	S
DS2118M	Maxim	UCC5630A	36, 48	LQFP, SSOP	0 to 70	S
DS2119	Maxim	UCC5672	28, 36	SSOP, TSSOP	0 to 70	S
DS2125	Maxim	UCC5638	48	LQFP	0 to 70	S
DS2129	Maxim	UCC561	16	SOIC		S
DS26C31	National Semiconductor	AM26C31	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
DS26C32A	National Semiconductor	AM26C32	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
DS26C32A	National Semiconductor	AM26LS32A	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP	0 to 70, -40 to 85, -55 to 125	S
DS26LS31	National Semiconductor	AM26C31	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
DS26LS31	National Semiconductor	AM26LS31	16	PDIP, SOIC, SOP, SSOP	0 to 70	S
DS26LS31C	National Semiconductor	AM26LS31	16	PDIP, SOIC, SOP, SSOP	0 to 70	S
DS26LS32	National Semiconductor	AM26C32	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
DS26LS32	National Semiconductor	AM26LS32A	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP	0 to 70, -40 to 85, -55 to 125	S
DS26LS32A	National Semiconductor	AM26LS32A	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP	0 to 70, -40 to 85, -55 to 125	S
DS26LS32AC	National Semiconductor	AM26LS32A	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP	0 to 70, -40 to 85, -55 to 125	S
DS26LS32C	National Semiconductor	AM26LS32A	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP	0 to 70, -40 to 85, -55 to 125	Q
DS26LS33	National Semiconductor	AM26LS33A	16, 20	CDIP, CFP, LCCC, PDIP, SOIC	0 to 70, -55 to 125	S
DS26LS33AC	National Semiconductor	AM26LS33A	16, 20	CDIP, CFP, LCCC, PDIP, SOIC	0 to 70, -55 to 125	S
DS26LV31T	National Semiconductor	AM26LV31	16	SOIC, SOP	0 to 70, -40 to 85	S
DS26LV32AT	National Semiconductor	AM26LV32	16	SOIC, SOP	0 to 70, -40 to 85	S
DS3486	National Semiconductor	MC3486	16	PDIP, SOIC, SOP	0 to 70	Q
DS3487	National Semiconductor	MC3487	16	PDIP, SOIC, SOP	0 to 70	Q
DS362376	National Semiconductor	TL3695	8	PDIP, SOIC	0 to 70	Q
DS3680	National Semiconductor	DS3680	14	PDIP, SOIC	0 to 70	S
DS3695	National Semiconductor	TL3695	8	PDIP, SOIC	0 to 70	S
DS3695A	National Semiconductor	TL3695	8	PDIP, SOIC	0 to 70	S

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
DS36F95	National Semiconductor	SN75ALS176B	8	PDIP, SOIC	0 to 70	Q
DS3896	National Semiconductor	SN75ALS056	20	PDIP, SOIC	0 to 70	Q
DS3897	National Semiconductor	SN75ALS057	20	PDIP, SOIC	0 to 70	Q
DS485	National Semiconductor	SN65LBC176A	8	PDIP, SOIC	-40 to 85, -40 to 125	Q
DS485	National Semiconductor	SN75LBC176A	8	PDIP, SOIC	0 to 70	Q
DS75	Maxim	TMP75	8	MSOP, SOIC	-40 to 125	S
DS75107	National Semiconductor	SN75107B	14	PDIP, SOIC, SOP	0 to 70	S
DS75107A	National Semiconductor	SN75107B	14	PDIP, SOIC, SOP	0 to 70	S
DS75108	National Semiconductor	SN75108A	14	SOIC	0 to 70	S
DS75110A	National Semiconductor	SN75110A	14	PDIP, SOIC, SOP	0 to 70	S
DS75113	National Semiconductor	SN75113	16	PDIP, SOP	0 to 70	S
DS75114	National Semiconductor	SN75114	16	PDIP, SOIC	0 to 70	S
DS75115	National Semiconductor	SN75115	16	PDIP, SOIC, SOP	0 to 70	S
DS75121	National Semiconductor	SN75123	16	PDIP	0 to 70	S
DS75123	National Semiconductor	SN75123	16	PDIP	0 to 70	S
DS75124	National Semiconductor	SN75124	16	PDIP, SOP	0 to 70	S
DS75150	National Semiconductor	SN75150	8	PDIP, SOIC	0 to 70	Q
DS75154	National Semiconductor	SN75154	16	PDIP, SOIC, SOP	0 to 70	Q
DS75160A	National Semiconductor	SN75160B	20	PDIP, SOIC	0 to 70	S
DS75161A	National Semiconductor	SN75161B	20	PDIP, SOIC	0 to 70	S
DS75162A	National Semiconductor	SN75162B	24	SOIC	0 to 70	S
DS75176B	National Semiconductor	SN75176B	8	PDIP, SOIC, SOP	0 to 70	S
DS75176BT	National Semiconductor	SN65176B	8	PDIP, SOIC	-40 to 105	S
DS75451	National Semiconductor	SN75451B	8	PDIP, SOIC, SOP	0 to 70	S
DS75452	National Semiconductor	SN75452B	8	PDIP, SOIC, SOP	0 to 70	S
DS75453	National Semiconductor	SN75453B	8	PDIP, SOIC, SOP	0 to 70	S
DS75454	National Semiconductor	SN75454B	8	PDIP, SOIC, SOP	0 to 70	S
DS75462	National Semiconductor	SN75462	8	PDIP, SOIC	0 to 70	S
DS75463	National Semiconductor	SN75463	8	PDIP	0 to 70	S
DS7830	National Semiconductor	SN55183	14, 20	CDIP, CFP, LCCC	-55 to 125	S
DS8921	National Semiconductor	SN75ALS176B	8	PDIP, SOIC	0 to 70	Q
DS8921A	National Semiconductor	SN75ALS176B	8	PDIP, SOIC	0 to 70	Q
DS8924	National Semiconductor	MC3487	16	PDIP, SOIC, SOP	0 to 70	S
DS90CP22	National Semiconductor	SN65LVCP22	16	SOIC, TSSOP	-40 to 85	S
DS90CR215	National Semiconductor	SN65LVDS95	48	TSSOP	-40 to 85	S
DS90CR216	National Semiconductor	SN65LVDS96	48	TSSOP	-40 to 85	S
DS90CR285	National Semiconductor	SN65LVDS93	56	TSSOP	-40 to 85	S
DS90CR286	National Semiconductor	SN65LVDS94	56	TSSOP	-40 to 85	S
DS90LV011A	National Semiconductor	SN65LVDS1	5, 8	SOIC, SOT-23	-40 to 85	S
DS90LV017A	National Semiconductor	SN65LVDS1	5, 8	SOIC, SOT-23	-40 to 85	S
DS90LV018A	National Semiconductor	SN65LVDS2	5, 8	SOIC, SOT-23	-40 to 85	S
DS90LV031	National Semiconductor	SN65LVDS31	16	SOIC, SOP, TSSOP	-40 to 85	S
DS90LV031A	National Semiconductor	SN65LVDS31	16	SOIC, SOP, TSSOP	-40 to 85	S
DS90LV031B	National Semiconductor	SN65LVDS31	16	SOIC, SOP, TSSOP	-40 to 85	S
DS90LV032	National Semiconductor	SN65LVDS32	16	SOIC, SOP, TSSOP	-40 to 85	S
DS90LV032A	National Semiconductor	SN65LVDS32	16	SOIC, SOP, TSSOP	-40 to 85	S
DS90LV047	National Semiconductor	SN65LVDS047	16	SOIC, TSSOP	-40 to 85	S
DS90LV047A	National Semiconductor	SN65LVDS047	16	SOIC, TSSOP	-40 to 85	S
DS90LV048	National Semiconductor	SN65LVDS048A	16	SOIC, TSSOP	-40 to 85	S
DS90LV048A	National Semiconductor	SN65LVDS048A	16	SOIC, TSSOP	-40 to 85	S
DS96172	National Semiconductor	SN75172	16, 20	PDIP, SOIC	0 to 70	Q
DS96173	National Semiconductor	SN75173	16	PDIP, SOIC, SOP	0 to 70	S
DS96174	National Semiconductor	SN75174	16, 20	PDIP, SOIC	0 to 70	Q
DS96175	National Semiconductor	SN75175	16	PDIP, SOIC, SOP	0 to 70	S
DS96176	National Semiconductor	SN75176B	8	PDIP, SOIC, SOP	0 to 70	Q
DS9636A	National Semiconductor	UA9636A	8	PDIP, SOIC	0 to 70	Q
DS9637A	National Semiconductor	UA9637A	8	PDIP, SOIC, SOP	0 to 70	S
DS9638	National Semiconductor	UA9638	8	PDIP, SOIC	0 to 70	S
DS9666	National Semiconductor	ULN2002A	16	PDIP	-20 to 70	S
DS9667	National Semiconductor	ULN2003AI	16	PDIP, SOIC, TSSOP	-40 to 105	S
DS9668	National Semiconductor	ULN2004AI	16	PDIP, SOIC, SOP	-40 to 105	S
DS96F172	National Semiconductor	SN55LBC172	16, 20	CDIP, CFP, LCCC	-55 to 125	S

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\* **Must-Have product**

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
DS96F173	National Semiconductor	SN55173	16, 20	CDIP, LCCC	-55 to 125	S
DS96F173	National Semiconductor	SN55LBC173	16, 20	CDIP, CFP, LCCC	-55 to 125	S
DS96F174	National Semiconductor	SN55LBC174	16, 20	CDIP, CFP, LCCC	-55 to 125	S
DS96F175	National Semiconductor	SN55LBC175	16, 20	CDIP, CFP, LCCC	-55 to 125	S
EL7202	Intersil	UCC27423	8	MSOP, PDIP, SOIC	-40 to 105	S
EL7212	Intersil	UCC27424	8	MSOP, PDIP, SOIC	-40 to 105	S
EL7222	Intersil	UCC27425	8	MSOP, PDIP, SOIC	-40 to 105	S
FAN1117A	Fairchild Semiconductor	TLV1117	2, 3, 4, 8	PFM, SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	Q
FAN1117A18	Fairchild Semiconductor	TLV1117-18	3, 4, 8	SON, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
FAN1117A25	Fairchild Semiconductor	TLV1117-25	2, 3, 4, 8	PFM, SON, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
FAN1117A33	Fairchild Semiconductor	TLV1117-33	3, 4, 8	SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	S
FAN2500	Fairchild Semiconductor	TPS79030	5	SOT-23	-40 to 125	Q
FAN250025	Fairchild Semiconductor	TPS79030	5	SOT-23	-40 to 125	Q
FAN250028	Fairchild Semiconductor	TPS79030	5	SOT-23	-40 to 125	Q
FAN250030	Fairchild Semiconductor	TPS79030	5	SOT-23	-40 to 125	Q
FAN250033	Fairchild Semiconductor	TPS79030	5	SOT-23	-40 to 125	Q
FAN2508	Fairchild Semiconductor	TPS79318	5	DSBGA, SOT-23	-40 to 85	Q
FAN250827	Fairchild Semiconductor	TPS79318	5	DSBGA, SOT-23	-40 to 85	Q
FAN2508285	Fairchild Semiconductor	TPS79318	5	DSBGA, SOT-23	-40 to 85	Q
FAN2512	Fairchild Semiconductor	REG101-3	5, 8	SOIC, SOT-23		Q
FAN251225	Fairchild Semiconductor	REG101-3	5, 8	SOIC, SOT-23		Q
FAN251226	Fairchild Semiconductor	REG101-3	5, 8	SOIC, SOT-23		Q
FAN251227	Fairchild Semiconductor	REG101-3	5, 8	SOIC, SOT-23		Q
FAN251228	Fairchild Semiconductor	REG101-3	5, 8	SOIC, SOT-23		Q
FAN2512285	Fairchild Semiconductor	REG101-3	5, 8	SOIC, SOT-23		Q
FAN251826	Fairchild Semiconductor	REG101-3	5, 8	SOIC, SOT-23		Q
FAN251828	Fairchild Semiconductor	REG101-3	5, 8	SOIC, SOT-23		Q
FAN4040A-2.5	Fairchild Semiconductor	LM4040A25*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
FAN4040A-5.0	Fairchild Semiconductor	LM4040A50*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
FAN4040B-2.5	Fairchild Semiconductor	LM4040B25*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
FAN4040B-5.0	Fairchild Semiconductor	LM4040B50*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
FAN4040C-2.5	Fairchild Semiconductor	LM4040C25*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
FAN4040C-5.0	Fairchild Semiconductor	LM4040C50*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
FAN4040D-2.5	Fairchild Semiconductor	LM4040D25*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
FAN4040D-5.0	Fairchild Semiconductor	LM4040D50*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
FAN4041B	Fairchild Semiconductor	LM4041B*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
FAN4041C	Fairchild Semiconductor	LM4041C*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
FAN4041D	Fairchild Semiconductor	LM4041D*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
FAN431L	Fairchild Semiconductor	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
FAN431L	Fairchild Semiconductor	TL431B	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
FIN1531	Fairchild Semiconductor	AM26LS31	16	PDIP, SOIC, SOP, SSOP	0 to 70	Q
FIN1532	Fairchild Semiconductor	AM26LS32A	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP	0 to 70, -40 to 85, -55 to 125	Q
FM809	Fairchild Semiconductor	TPS3809L30	3	SOT-23	-40 to 85	S
FSA3357	Fairchild Semiconductor	TS5A3357	8	SM8, US8	-40 to 85	S
FSA4157	Fairchild Semiconductor	TS5A3159	6	SC70, SOT-23	-40 to 85	S
FSA4157A	Fairchild Semiconductor	TS5A3159	6	SC70, SOT-23	-40 to 85	S
FSAL200	Fairchild Semiconductor	TS3A5018	16	QSOP, SOIC, TSSOP, TVSOP	-40 to 85	S
FSAV330	Fairchild Semiconductor	TS5V330	16	QFN, QSOP, SOIC, TSSOP	-40 to 85	S
G547	GMT	TPS2061	8	MSOP, SOIC	-40 to 85	S
GEM13001	Sarnoff	AM26C31	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
GS431B	Vishay Siliconix (SI)	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
GS431B	Vishay Siliconix (SI)	TL431B	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S

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\* **Must-Have product**

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
GS431B	Vishay Siliconix (SI)	TL432B	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
HA1-4741	Intersil	LM148	14, 20	CDIP, LCCC	-55 to 125	S
HA1-4741	Intersil	LT1014	14, 20	CDIP, LCCC, PDIP	0 to 70, -55 to 125	S
HA1-4741	Intersil	LT1014A	14, 20	CDIP, LCCC	-55 to 125	S
HA17431	Hitachi America	TL1431	3, 8	SOIC, TO-92, TSSOP	0 to 70, -40 to 125	Q
HA17431	Hitachi America	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	Q
HA17431	Renesas Technology Corp	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
HA17431	Hitachi America	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	Q
HA17431A	Renesas Technology Corp	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	Q
HA17431A	Renesas Technology Corp	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
HA17431H	Renesas Technology Corp	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
HA17431H	Renesas Technology Corp	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
HA17431H	Renesas Technology Corp	TL432A	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
HA17431V	Renesas Technology Corp	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
HA17431V	Renesas Technology Corp	TL432A	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
HA17432A	Renesas Technology Corp	TL432	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
HA17432H	Renesas Technology Corp	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
HA17432H	Renesas Technology Corp	TL432A	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
HA17432U	Renesas Technology Corp	TL432	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
HA17432V	Renesas Technology Corp	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
HA17432V	Renesas Technology Corp	TL432A	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	Q
HA17808	Hitachi America	UA7808	3	PFM, TO-220, TO-263	0 to 125	S
HA17812	Hitachi America	UA7812	3	PFM, TO-220, TO-263	0 to 125	S
HA178L05	Hitachi America	TL750L05	3, 8	PFM, SOIC, TO-220, TO-92, TO-263	0 to 125	Q
HA178L05	Hitachi America	UA78L05A	3, 8	SOIC, SOT-89, TO-92	0 to 125, -40 to 125	S
HA178L08	Hitachi America	TL750L08	3, 8	SOIC, TO-92	0 to 125	Q
HA178L08	Hitachi America	UA78L08A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
HA178L10	Hitachi America	TL750L10	3, 8	SOIC, TO-92	0 to 125	Q
HA178L10	Hitachi America	UA78L10A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
HA178L12	Hitachi America	TL750L12	3, 8	SOIC, TO-92	0 to 125	Q
HA178L12	Hitachi America	UA78L12A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
HA178M05	Hitachi America	TL750M05	2, 3	PFM, TO-220, TO-252, TO-263	0 to 125	Q
HA178M08	Hitachi America	TL750M08	2, 3	PFM, TO-220, TO-252	0 to 125	Q
HA178M12	Hitachi America	TL750M12	2, 3	PFM, TO-220, TO-252	0 to 125	Q
HA17L431	Renesas Technology Corp	TLV431*	3, 5	SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	S
HA17L431A	Renesas Technology Corp	TLV431*	3, 5	SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	S
HA17L431A	Renesas Technology Corp	TLV431A*	3, 5, 8	SOIC, SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	S
HA17L432	Renesas Technology Corp	TLVH432	3	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
HA3-5033-5	Harris Semiconductor (Intersil)	OPA633	8	PDIP		S

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## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
HA4-4741	Intersil	LM148	14, 20	CDIP, LCCC	-55 to 125	S
HA4-4741	Intersil	LT1014	14, 20	CDIP, LCCC, PDIP	0 to 70, -55 to 125	S
HA4-4741	Intersil	LT1014A	14, 20	CDIP, LCCC	-55 to 125	S
HD26C31	Renesas Technology Corp	AM26C31	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
HD26C32A	Renesas Technology Corp	AM26C32	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	Q
HD26LS31	Renesas Technology Corp	AM26LS31	16	PDIP, SOIC, SOP, SSOP	0 to 70	S
HD26LS32	Renesas Technology Corp	AM26LS32A	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP	0 to 70, -40 to 85, -55 to 125	S
HD26LS32A	Renesas Technology Corp	AM26LS32A	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP	0 to 70, -40 to 85, -55 to 125	S
HD29468	Renesas Technology Corp	SN751730	16, 20	PDIP, SOIC, SOP	0 to 70	Q
HD75160A	Renesas Technology Corp	SN75160B	20	PDIP, SOIC	0 to 70	S
HD75161A	Renesas Technology Corp	SN75161B	20	PDIP, SOIC	0 to 70	S
HD75173	Renesas Technology Corp	SN75173	16	PDIP, SOIC, SOP	0 to 70	S
HI1-0506A-5	Harris Semiconductor (Intersil)	MPC506	28	PDIP, SOIC	-40 to 85	S
HI1-0507A-5	Harris Semiconductor (Intersil)	MPC507	28	PDIP, SOIC		S
HI1-0508A-5	Harris Semiconductor (Intersil)	MPC508	16	PDIP, SOIC	-40 to 85	S
HI1-0508A-5	Maxim	MPC508	16	PDIP, SOIC	-40 to 85	S
HI1-0509A-5	Harris Semiconductor (Intersil)	MPC509	16	PDIP, SOIC	-40 to 85	S
HI1-0509A-5	Maxim	MPC509	16	PDIP, SOIC	-40 to 85	S
HI1175	Harris Semiconductor (Intersil)	TLC5510	24	SOP, TSSOP	-20 to 75	S
HI1175	Harris Semiconductor (Intersil)	TLC5510A	24	SOP	-20 to 75	S
HI1179	Harris Semiconductor (Intersil)	TLC5540	24	SOP, TSSOP	0 to 70, -40 to 85	S
HI1-546-5	Harris Semiconductor (Intersil)	MPC506	28	PDIP, SOIC	-40 to 85	S
HI1-547-5	Harris Semiconductor (Intersil)	MPC507	28	PDIP, SOIC		S
HI3-0508A-5	Maxim	MPC508	16	PDIP, SOIC	-40 to 85	S
HI3-0509A-5	Maxim	MPC509	16	PDIP, SOIC	-40 to 85	S
HIN202	Intersil	MAX202	16	SOIC, TSSOP	0 to 70, -40 to 85	S
HIN207	Intersil	MAX207	24	SOIC, SSOP	0 to 70, -40 to 85	S
HIN232	Intersil	MAX232	16	PDIP, SOIC, SOP	0 to 70, -40 to 85	S
HS1-26C31	Intersil	AM26C31	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
HS1-26C32	Intersil	AM26C32	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
HS1-26C32	Intersil	AM26LS32A	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP	0 to 70, -40 to 85, -55 to 125	S
HS9-26C31	Intersil	AM26C31	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
HS9-26C32	Intersil	AM26C32	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
HS9-26C32	Intersil	AM26LS32A	16, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP	0 to 70, -40 to 85, -55 to 125	S
ICL232	Intersil	MAX232	16	PDIP, SOIC, SOP	0 to 70, -40 to 85	Q
ICL3221	Intersil	MAX3221E*	16	SSOP, TSSOP	0 to 70, -40 to 85	Q
ICL3221E	Intersil	MAX3221E*	16	SSOP, TSSOP	0 to 70, -40 to 85	Q
ICL3222	Intersil	MAX3222E	20, 24	QFN, SOIC, SSOP, TSSOP	0 to 70, -40 to 85	S

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Usage Code: **S**=Equivalent, **Q**=Same functionality and pinout but not exact equivalent

\* **Must-Have product**

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
ICL3222E	Intersil	MAX3222E	20, 24	QFN, SOIC, SSOP, TSSOP	0 to 70, -40 to 85	S
ICL3223	Intersil	MAX3223E	20, 24	QFN, SOIC, SSOP, TSSOP	0 to 70, -40 to 85	S
ICL3223E	Intersil	MAX3223E	20, 24	QFN, SOIC, SSOP, TSSOP	0 to 70, -40 to 85	S
ICL3232	Intersil	MAX3232E	16	SOIC, SSOP, TSSOP	0 to 70, -40 to 85	S
ICL3238	Intersil	MAX3238E	28	SOIC, SSOP	0 to 70, -40 to 85	S
ICL3239	Intersil	MAX3238E	28	SOIC, SSOP	0 to 70, -40 to 85	Q
ICL3241E	Intersil	MAX3243E*	28, 32	QFN, SOIC, SSOP, TSSOP	0 to 70, -40 to 85	Q
ICL3243	Intersil	MAX3243E*	28, 32	QFN, SOIC, SSOP, TSSOP	0 to 70, -40 to 85	S
ICL3243E	Intersil	MAX3243E*	28, 32	QFN, SOIC, SSOP, TSSOP	0 to 70, -40 to 85	S
ICL7660	Maxim	LT1054	8, 16	PDIP, SOIC	0 to 70, -40 to 85	Q
ICM7555	Maxim	SE555	8, 20	CDIP, LCCC, PDIP, SOIC	-55 to 125	S
ICM7555	Intersil	TLC555	8, 14, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
ICM7555	Maxim	TLC555	8, 14, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
ICM7555	Philips Semiconductor	TLC555	8, 14, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
ICM7555C	Intersil	TLC555	8, 14, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
ICM7556	Intersil	SE556	14	CDIP	-55 to 125	S
ICM7556	Maxim	SE556	14	CDIP	-55 to 125	S
ICM7556	Intersil	TLC556	14	PDIP, SOIC	0 to 70	Q
ICM7556	Maxim	TLC556	14	PDIP, SOIC	0 to 70	Q
ICM7556	Intersil	TLC556M	14, 20	CDIP, LCCC, SOIC	-55 to 125	S
ICM7556	Maxim	TLC556M	14, 20	CDIP, LCCC, SOIC	-55 to 125	S
ILC707125	Fairchild Semiconductor	TPS79018	5	SOT-23	-40 to 125	Q
ILC7082-25	Fairchild Semiconductor	TPS79318	5	DSBGA, SOT-23	-40 to 85	Q
ILC7082-26	Fairchild Semiconductor	TPS79318	5	DSBGA, SOT-23	-40 to 85	Q
ILC7082-27	Fairchild Semiconductor	TPS79318	5	DSBGA, SOT-23	-40 to 85	Q
ILC7082-285	Fairchild Semiconductor	TPS79318	5	DSBGA, SOT-23	-40 to 85	Q
ILC7082-29	Fairchild Semiconductor	TPS79318	5	DSBGA, SOT-23	-40 to 85	Q
ILC809	Impala Linear Corporation	TPS3809L30	3	SOT-23	-40 to 85	S
IMP2014-2.85	IMP	REG101-3	5, 8	SOIC, SOT-23		Q
IMP37-25	IMP	TLV1117-33	3, 4, 8	SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	Q
IMP706	Impala Linear Corporation	TPS3705-30	8	MSOP, SOIC	-40 to 85	S
IMP809	Impala Linear Corporation	TPS3809L30	3	SOT-23	-40 to 85	S
IP1524	Semelab PLC	UC1524A	16, 20	CDIP, LCCC	-55 to 125	S
IP1524B	Semelab PLC	UC1524A	16, 20	CDIP, LCCC	-55 to 125	S
IP1525A	Semelab PLC	UC1525A	16, 20	CDIP, LCCC	-55 to 125	S
IP1525A	Semelab PLC	UC1525B	16, 20	CDIP, LCCC	-55 to 125	S
IP1526	Semelab PLC	UC1526	18, 20	CDIP, LCCC	-55 to 125	S
IP1526	Semelab PLC	UC1526A	18, 20	CDIP, LCCC	-55 to 125	S
IP1526A	Semelab PLC	UC1526	18, 20	CDIP, LCCC	-55 to 125	S
IP1526A	Semelab PLC	UC1526A	18, 20	CDIP, LCCC	-55 to 125	S
IP1527A	Semelab PLC	UC1527A	16, 20	CDIP, LCCC	-55 to 125	S
IP1543	Semelab PLC	UC1543	16, 20	CDIP, LCCC	-55 to 125	S
IP1842	Semelab PLC	UC1842	8, 14, 20	CDIP, CFP, LCCC	-55 to 125	S
IP1842	Semelab PLC	UC1842A	8, 20	CDIP, LCCC	-55 to 125	S
IP1843	Semelab PLC	UC1843	8, 14, 20	CDIP, CFP, LCCC	-55 to 125	S
IP1843	Semelab PLC	UC1843A	8, 20	CDIP, LCCC	-55 to 125	S
IP1844	Semelab PLC	UC1844	8, 14, 20	CDIP, CFP, LCCC	-55 to 125	S
IP1844	Semelab PLC	UC1844A	8, 20	CDIP, LCCC	-55 to 125	S
IP1845	Semelab PLC	UC1845	8, 14, 20	CDIP, CFP, LCCC	-55 to 125	S
IP1845	Semelab PLC	UC1845A	8, 20	CDIP, LCCC	-55 to 125	S
JL124A	National Semiconductor	LM124	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
JL124A	National Semiconductor	LM124A	14, 20	CDIP, LCCC	-55 to 125	S
JL124B	National Semiconductor	LM124	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
JL124B	National Semiconductor	LM124A	14, 20	CDIP, LCCC	-55 to 125	S
KA1458	Fairchild Semiconductor	MC1458	8	PDIP, SOIC, SOP	0 to 70	S
KA224	Fairchild Semiconductor	LM224	14	PDIP, SOIC	-25 to 85	S
KA224A	Fairchild Semiconductor	LM224A	14	PDIP, SOIC	-25 to 85	S

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\* **Must-Have product**



## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
KA239	Fairchild Semiconductor	LM239	14	PDIP, SOIC, TSSOP	-25 to 85	S
KA239A	Fairchild Semiconductor	LM239A	14	SOIC	-25 to 125	S
KA248	Fairchild Semiconductor	LM248	14	PDIP, SOIC	-25 to 85	S
KA258	Fairchild Semiconductor	LM258	8	MSOP, PDIP, SOIC	-25 to 85	S
KA258A	Fairchild Semiconductor	LM258A	8	MSOP, PDIP, SOIC	-25 to 85	S
KA2901	Fairchild Semiconductor	LM2901	14	PDIP, SOIC, SOP, TSSOP	-40 to 125	S
KA2902	Fairchild Semiconductor	LM2902	14	PDIP, SOIC, SOP, TSSOP	-40 to 125	S
KA2903	Fairchild Semiconductor	LM2903	8	MSOP, PDIP, SOIC, SOP, TSSOP	-40 to 125	S
KA2904	Fairchild Semiconductor	LM2904	8	MSOP, PDIP, SOIC, SOP, TSSOP	-40 to 125	S
KA311	Fairchild Semiconductor	LM311	8	PDIP, SOIC, SOP, TSSOP	0 to 70	S
KA317	Fairchild Semiconductor	LM317	3, 4	SOT-223, TO-220	0 to 125	S
KA317	Fairchild Semiconductor	TL317	3, 8	SOIC, TO-92, TSSOP	0 to 125	Q
KA317L	Fairchild Semiconductor	TL317	3, 8	SOIC, TO-92, TSSOP	0 to 125	Q
KA317M	Fairchild Semiconductor	LM317M	2, 3, 4	PFM, SOT-223, TO-252	0 to 125	S
KA324	Fairchild Semiconductor	LM324	14	PDIP, SOIC, SOP, TSSOP	0 to 70	S
KA324A	Fairchild Semiconductor	LM324A	14	PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70	S
KA3302	Fairchild Semiconductor	LM3302	14	PDIP, SOIC	-40 to 85	S
KA3303	Fairchild Semiconductor	MC3303	14	PDIP, SOIC, TSSOP	-40 to 85	S
KA337	Fairchild Semiconductor	LM337	2, 3	PFM, TO-220, TO-252, TO-263	0 to 125	S
KA339	Fairchild Semiconductor	LM339	14	PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70	S
KA339	Fairchild Semiconductor	LM339A	14	PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70	S
KA3403	Fairchild Semiconductor	MC3403	14	PDIP, SOIC, SOP, TSSOP	0 to 70	S
KA34063A	Fairchild Semiconductor	MC34063A*	8	PDIP, SOIC	0 to 70	S
KA348	Fairchild Semiconductor	LM348	14	PDIP, SOIC, SOP	0 to 70	S
KA3524	Fairchild Semiconductor	SG3524	16	PDIP, SOIC, SOP	0 to 70	S
KA358	Fairchild Semiconductor	LM358	8	MSOP, PDIP, SOIC, SOP, TSSOP	0 to 70	S
KA358A	Fairchild Semiconductor	LM358A	8	MSOP, PDIP, SOIC, TSSOP	0 to 70	S
KA393	Fairchild Semiconductor	LM393	8	MSOP, PDIP, SOIC, SOP, TSSOP	0 to 70	S
KA393A	Fairchild Semiconductor	LM393	8	MSOP, PDIP, SOIC, SOP, TSSOP	0 to 70	S
KA393A	Fairchild Semiconductor	LM393A	8	MSOP, PDIP, SOIC, SOP, TSSOP	0 to 70	S
KA431	Fairchild Semiconductor	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
KA431A	Fairchild Semiconductor	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
KA431A	Fairchild Semiconductor	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
KA431L	Fairchild Semiconductor	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
KA431L	Fairchild Semiconductor	TL431B	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
KA431S	Fairchild Semiconductor	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
KA431S	Fairchild Semiconductor	TL432	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
KA431SA	Fairchild Semiconductor	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
KA431SA	Fairchild Semiconductor	TL432A	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
KA431SL	Fairchild Semiconductor	TL431B	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
KA431SL	Fairchild Semiconductor	TL432B	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
KA4558	Fairchild Semiconductor	RC4558	8	MSOP, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85	S
KA4558	Fairchild Semiconductor	TL431B	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
KA5532	Fairchild Semiconductor	NE5532	8	PDIP, SOIC, SOP	0 to 70	S
KA555	Fairchild Semiconductor	NE555	8	PDIP, SOIC, SOP, TSSOP	0 to 70	S
KA555	Fairchild Semiconductor	SA555	8	PDIP, SOIC	-40 to 85	S
KA556	Fairchild Semiconductor	NE556	14	PDIP, SOIC, SOP, SSOP	0 to 70	S
KA556	Fairchild Semiconductor	SA556	14	PDIP	-40 to 85	S
KA723	Fairchild Semiconductor	UA723	14	PDIP, SOIC, SOP	0 to 70	S
KA741	Fairchild Semiconductor	UA741	8	PDIP, SOIC, SOP	0 to 70	S
KA7805	Fairchild Semiconductor	TL780-05	3	PFM, TO-220, TO-263	0 to 125	S
KA7805	Fairchild Semiconductor	UA7805	3	PFM, TO-220, TO-263	0 to 125	S
KA7805A	Fairchild Semiconductor	UA7805	3	PFM, TO-220, TO-263	0 to 125	S
KA7805AE	Fairchild Semiconductor	UA7805	3	PFM, TO-220, TO-263	0 to 125	S
KA7805E	Fairchild Semiconductor	UA7805	3	PFM, TO-220, TO-263	0 to 125	S
KA7808	Fairchild Semiconductor	UA7808	3	PFM, TO-220, TO-263	0 to 125	S
KA7808A	Fairchild Semiconductor	UA7808	3	PFM, TO-220, TO-263	0 to 125	S
KA7808AE	Fairchild Semiconductor	UA7808	3	PFM, TO-220, TO-263	0 to 125	S
KA7808E	Fairchild Semiconductor	UA7808	3	PFM, TO-220, TO-263	0 to 125	S
KA7810	Fairchild Semiconductor	UA7810	3	PFM, TO-220, TO-263	0 to 125	S
KA7810A	Fairchild Semiconductor	UA7810	3	PFM, TO-220, TO-263	0 to 125	S
KA7810AE	Fairchild Semiconductor	UA7810	3	PFM, TO-220, TO-263	0 to 125	S
KA7810E	Fairchild Semiconductor	UA7810	3	PFM, TO-220, TO-263	0 to 125	S
KA7812	Fairchild Semiconductor	UA7812	3	PFM, TO-220, TO-263	0 to 125	S
KA7812A	Fairchild Semiconductor	UA7812	3	PFM, TO-220, TO-263	0 to 125	S
KA7812AE	Fairchild Semiconductor	UA7812	3	PFM, TO-220, TO-263	0 to 125	S
KA7812E	Fairchild Semiconductor	UA7812	3	PFM, TO-220, TO-263	0 to 125	S
KA7815	Fairchild Semiconductor	TL780-15	3	TO-220	0 to 125	S
KA7815	Fairchild Semiconductor	UA7815	3	PFM, TO-220, TO-263	0 to 125	S
KA7815A	Fairchild Semiconductor	TL780-15	3	TO-220	0 to 125	S
KA7815A	Fairchild Semiconductor	UA7815	3	PFM, TO-220, TO-263	0 to 125	S
KA7815AE	Fairchild Semiconductor	UA7815	3	PFM, TO-220, TO-263	0 to 125	S
KA7815E	Fairchild Semiconductor	UA7815	3	PFM, TO-220, TO-263	0 to 125	S
KA7824	Fairchild Semiconductor	UA7824	3	PFM, TO-220, TO-263	0 to 125	S
KA7824A	Fairchild Semiconductor	UA7824	3	PFM, TO-220, TO-263	0 to 125	S
KA7824AE	Fairchild Semiconductor	UA7824	3	PFM, TO-220, TO-263	0 to 125	S
KA7824E	Fairchild Semiconductor	UA7824	3	PFM, TO-220, TO-263	0 to 125	S
KA78L05	Fairchild Semiconductor	UA78L05A	3, 8	SOIC, SOT-89, TO-92	0 to 125, -40 to 125	S
KA78L05A	Fairchild Semiconductor	UA78L05A	3, 8	SOIC, SOT-89, TO-92	0 to 125, -40 to 125	S
KA78L05AA	Fairchild Semiconductor	UA78L05A	3, 8	SOIC, SOT-89, TO-92	0 to 125, -40 to 125	S
KA78L06	Fairchild Semiconductor	UA78L06A	3	SOT-89, TO-92	0 to 125	S
KA78L06A	Fairchild Semiconductor	UA78L06A	3	SOT-89, TO-92	0 to 125	S
KA78L08	Fairchild Semiconductor	UA78L08A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
KA78L08A	Fairchild Semiconductor	UA78L08A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
KA78L09A	Fairchild Semiconductor	UA78L09A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
KA78L10A	Fairchild Semiconductor	UA78L10A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
KA78L12	Fairchild Semiconductor	UA78L12A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
KA78L12A	Fairchild Semiconductor	UA78L12A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
KA78L15A	Fairchild Semiconductor	UA78L15A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
KA78M05	Fairchild Semiconductor	UA78M05	2, 3, 4	PFM, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
KA78M06	Fairchild Semiconductor	UA78M06	2, 3	PFM, TO-252	0 to 125	S
KA78M08	Fairchild Semiconductor	UA78M08	2, 3, 4	PFM, SOT-223, TO-220, TO-252	0 to 125	S
KA78M12	Fairchild Semiconductor	UA78M12	2, 3	PFM, TO-220, TO-252	0 to 125	S
KA7905	Fairchild Semiconductor	UA7905	3	PFM, TO-220, TO-263	0 to 125	S
KA7905A	Fairchild Semiconductor	UA7905	3	PFM, TO-220, TO-263	0 to 125	S
KA7908	Fairchild Semiconductor	UA7908	3	PFM, TO-220, TO-263	0 to 125	S
KA7912	Fairchild Semiconductor	UA7912	3	TO-220	0 to 125	S
KA7912A	Fairchild Semiconductor	UA7912	3	TO-220	0 to 125	S
KA79L05A	Fairchild Semiconductor	MC79L05A	3, 8	SOIC, TO-92	0 to 125	S

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
KA79L12A	Fairchild Semiconductor	MC79L12	3	TO-92	0 to 125	S
KA79L12A	Fairchild Semiconductor	MC79L12A	3, 8	SOIC, TO-92	0 to 125	S
KA79L15A	Fairchild Semiconductor	MC79L15	8	SOIC	0 to 125	S
KA79L15A	Fairchild Semiconductor	MC79L15A	3	TO-92	0 to 125	S
KA79L18A	Fairchild Semiconductor	MC79L15	8	SOIC	0 to 125	Q
KA79L18A	Fairchild Semiconductor	MC79L15A	3	TO-92	0 to 125	S
KA79M05	Fairchild Semiconductor	UA79M05	2, 3	PFM, TO-220, TO-252	0 to 125	S
KA79M06	Fairchild Semiconductor	UA79M05	2, 3	PFM, TO-220, TO-252	0 to 125	Q
KA79M08	Fairchild Semiconductor	UA79M08	2, 3	PFM, TO-252	0 to 125	S
KF347	Fairchild Semiconductor	LF347	14	PDIP, SOIC	0 to 70	S
KF347	Fairchild Semiconductor	TL084A	14	PDIP, SOIC, SOP	0 to 70	S
KF351	Fairchild Semiconductor	TL081A	8	PDIP, SOIC	0 to 70	S
KF353	Fairchild Semiconductor	LF353	8	PDIP, SOIC	0 to 70	S
KM4270	Fairchild Semiconductor	LMV822*	8	MSOP, SOIC	-40 to 85, -40 to 125	S
KM4470	Fairchild Semiconductor	LMV824*	14	SOIC, TSSOP, TVSOP	-40 to 85, -40 to 125	S
L1117-1.8	National Semiconductor	TLV1117-50	3, 4, 8	SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	Q
L1117-2.5	National Semiconductor	TLV1117-15	3, 4, 8	SON, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	Q
L1117-2.5	National Semiconductor	TLV1117-25	2, 3, 4, 8	PFM, SON, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
L1117-2.5	National Semiconductor	TLV1117-50	3, 4, 8	SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	Q
L1117-2.85	National Semiconductor	TLV1117-15	3, 4, 8	SON, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	Q
L1117-2.85	National Semiconductor	TLV1117-33	3, 4, 8	SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	Q
L1117-2.85	National Semiconductor	TLV1117-50	3, 4, 8	SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	Q
L1117-3.3	National Semiconductor	TLV1117-50	3, 4, 8	SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	Q
L307N	National Semiconductor	TL081A	8	PDIP, SOIC	0 to 70	S
L307N	National Semiconductor	TL081B	8	PDIP, SOIC	0 to 70	S
L308A	National Semiconductor	TL081A	8	PDIP, SOIC	0 to 70	S
L320L-5.0	National Semiconductor	MC79L05A	3, 8	SOIC, TO-92	0 to 125	S
L6560	ST Microelectronics	UCC38050	8	PDIP, SOIC	0 to 70	S
L6561	ST Microelectronics	UCC38051	8	PDIP, SOIC	0 to 70	S
L7805	ST Microelectronics	UA7805	3	PFM, TO-220, TO-263	0 to 125	S
L7808	ST Microelectronics	UA7808	3	PFM, TO-220, TO-263	0 to 125	S
L7812	ST Microelectronics	UA7812	3	PFM, TO-220, TO-263	0 to 125	S
L7815	ST Microelectronics	TL780-15	3	TO-220	0 to 125	S
L7815	ST Microelectronics	UA7815	3	PFM, TO-220, TO-263	0 to 125	S
L7824	ST Microelectronics	UA7824	3	PFM, TO-220, TO-263	0 to 125	S
L78L05	ST Microelectronics	TL750L05	3, 8	PFM, SOIC, TO-220, TO-92, TO-263	0 to 125	Q
L78L05	ST Microelectronics	UA78L05A	3, 8	SOIC, SOT-89, TO-92	0 to 125, -40 to 125	S
L78L05A	ST Microelectronics	UA78L05A	3, 8	SOIC, SOT-89, TO-92	0 to 125, -40 to 125	S
L78L06	ST Microelectronics	UA78L06A	3	SOT-89, TO-92	0 to 125	S
L78L06A	ST Microelectronics	UA78L06A	3	SOT-89, TO-92	0 to 125	S
L78L08	ST Microelectronics	TL750L08	3, 8	SOIC, TO-92	0 to 125	Q
L78L08	ST Microelectronics	UA78L08A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
L78L09	ST Microelectronics	LM317	3, 4	SOT-223, TO-220	0 to 125	S
L78L09	ST Microelectronics	TL750L05	3, 8	PFM, SOIC, TO-220, TO-92, TO-263	0 to 125	Q
L78L09	ST Microelectronics	TL750L08	3, 8	SOIC, TO-92	0 to 125	Q
L78L09	ST Microelectronics	TL750L10	3, 8	SOIC, TO-92	0 to 125	Q
L78L09	ST Microelectronics	TL750L12	3, 8	SOIC, TO-92	0 to 125	Q
L78L09	ST Microelectronics	UA78L09A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
L78L09A	ST Microelectronics	UA78L09A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
L78L10	ST Microelectronics	UA78L10A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
L78L12	ST Microelectronics	TL750L12	3, 8	SOIC, TO-92	0 to 125	Q
L78L12	ST Microelectronics	UA78L12A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S

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\* **Must-Have product**

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
L78L12A	ST Microelectronics	UA78L12A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
L78L15	ST Microelectronics	UA78L15A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
L78M05	ST Microelectronics	TL750M05	2, 3	PFM, TO-220, TO-252, TO-263	0 to 125	Q
L78M05	ST Microelectronics	UA78M05	2, 3, 4	PFM, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
L78M05A	ST Microelectronics	TL750M05	2, 3	PFM, TO-220, TO-252, TO-263	0 to 125	Q
L78M06	ST Microelectronics	UA78M05	2, 3, 4	PFM, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
L78M08	ST Microelectronics	TL750M08	2, 3	PFM, TO-220, TO-252	0 to 125	Q
L78M08	ST Microelectronics	UA78M08	2, 3, 4	PFM, SOT-223, TO-220, TO-252	0 to 125	S
L78M10	ST Microelectronics	TL750M10	2, 3	PFM, TO-220, TO-252, TO-263	0 to 125	Q
L78M10A	ST Microelectronics	TL750M10	2, 3	PFM, TO-220, TO-252, TO-263	0 to 125	Q
L78M12	ST Microelectronics	TL750M12	2, 3	PFM, TO-220, TO-252	0 to 125	Q
L78M12	ST Microelectronics	UA78M12	2, 3	PFM, TO-220, TO-252	0 to 125	S
L78S15	ST Microelectronics	TL780-15	3	TO-220	0 to 125	S
L7905	National Semiconductor	UA7905	3	PFM, TO-220, TO-263	0 to 125	S
L7905	ST Microelectronics	UA7905	3	PFM, TO-220, TO-263	0 to 125	S
L7908	ST Microelectronics	UA7908	3	PFM, TO-220, TO-263	0 to 125	S
L7912	ST Microelectronics	UA7912	3	TO-220	0 to 125	S
L79L05A	ST Microelectronics	MC79L05A	3, 8	SOIC, TO-92	0 to 125	S
L79L12	ST Microelectronics	MC79L12A	3, 8	SOIC, TO-92	0 to 125	S
L79L15	ST Microelectronics	MC79L15	8	SOIC	0 to 125	S
L79M05	National Semiconductor	MC79L05A	3, 8	SOIC, TO-92	0 to 125	Q
LA5677	Sanyo Semiconductor	TL1451	16	PDIP, SOP, SSOP, TSSOP		S
LD1117	ST Microelectronics	TLV1117	2, 3, 4, 8	PFM, SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	Q
LD1117AXX	ST Microelectronics	TLV1117	2, 3, 4, 8	PFM, SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	Q
LD1117AXX18	ST Microelectronics	TLV1117-18	3, 4, 8	SON, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	Q
LD1117AXX25	ST Microelectronics	TLV1117-25	2, 3, 4, 8	PFM, SON, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	Q
LD1117AXX33	ST Microelectronics	TLV1117-33	3, 4, 8	SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	Q
LD1117XX	ST Microelectronics	TLV1117	2, 3, 4, 8	PFM, SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	S
LD1117XX18	ST Microelectronics	TLV1117-18	3, 4, 8	SON, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
LD1117XX18C	ST Microelectronics	TLV1117-18	3, 4, 8	SON, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
LD1117XX25	ST Microelectronics	TLV1117-25	2, 3, 4, 8	PFM, SON, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
LD1117XX25C	ST Microelectronics	TLV1117-25	2, 3, 4, 8	PFM, SON, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
LD1117XX33	ST Microelectronics	TLV1117-33	3, 4, 8	SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	S
LD1117XX33C	ST Microelectronics	TLV1117-33	3, 4, 8	SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	S
LD1117XX50	ST Microelectronics	TLV1117-50	3, 4, 8	SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	S
LD1117XX50C	ST Microelectronics	TLV1117-50	3, 4, 8	SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	S
LD1117XXC	ST Microelectronics	TLV1117	2, 3, 4, 8	PFM, SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	S
LD2981AB 30	ST Microelectronics	LP2981A-30	5	SOT-23	-40 to 125	S
LD2981AB 33	ST Microelectronics	LP2981A-33	5	SOT-23	-40 to 125	S
LD2981AB 50	ST Microelectronics	LP2981A-50	5	Planned	-40 to 125	S
LD2981C 30	ST Microelectronics	LP2981-30	5	SOT-23	-40 to 125	S
LD2981C 33	ST Microelectronics	LP2981-33	5	SOT-23	-40 to 125	S
LD2981C 50	ST Microelectronics	LP2981-50	5	Planned	-40 to 125	S
LD2982	ST Microelectronics	TPS79030	5	SOT-23	-40 to 125	Q

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## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
LD2985A 18	ST Microelectronics	LP2985A-18	5	SOT-23	-40 to 125	S
LD2985A 25	ST Microelectronics	LP2985A-25	5	Planned	-40 to 125	S
LD2985A 28	ST Microelectronics	LP2985A-28	5	SOT-23	-40 to 125	S
LD2985A 30	ST Microelectronics	LP2985A-30	5	Planned	-40 to 125	S
LD2985A 33	ST Microelectronics	LP2985A-33	5	SOT-23	-40 to 125	S
LD2985A 50	ST Microelectronics	LP2985A-50	5	Planned	-40 to 125	S
LD2985B 18	ST Microelectronics	LP2985-18	5	Planned	-40 to 125	S
LD2985B 18	ST Microelectronics	LP2985-18	5	Planned	-40 to 125	S
LD2985B 25	ST Microelectronics	LP2985-25	5	Planned	-40 to 125	S
LD2985B 25	ST Microelectronics	LP2985-25	5	Planned	-40 to 125	S
LD2985B 28	ST Microelectronics	LP2985-28	5	DSBGA, SOT-23	-40 to 125	S
LD2985B 30	ST Microelectronics	LP2985-30	5	Planned	-40 to 125	S
LD2985B 30	ST Microelectronics	LP2985-30	5	Planned	-40 to 125	S
LD2985B 33	ST Microelectronics	LP2985-33	5	DSBGA, SOT-23	-40 to 125	S
LD2985B 50	ST Microelectronics	LP2985-50	5	SOT-23	-40 to 125	S
LF147	National Semiconductor	TL074	14, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
LF147	National Semiconductor	TL084	14, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
LF247	ST Microelectronics	TL084A	14	PDIP, SOIC, SOP	0 to 70	S
LF251	ST Microelectronics	TL081A	8	PDIP, SOIC	0 to 70	S
LF253	ST Microelectronics	TL082A	8	PDIP, SOIC, SOP	0 to 70	S
LF347	Fairchild Semiconductor	LF347	14	PDIP, SOIC	0 to 70	S
LF347	National Semiconductor	LF347	14	PDIP, SOIC	0 to 70	S
LF347	National Semiconductor	OPA4134	14	SOIC		S
LF347	National Semiconductor	TL084A	14	PDIP, SOIC, SOP	0 to 70	S
LF347	ST Microelectronics	TL084A	14	PDIP, SOIC, SOP	0 to 70	S
LF347B	National Semiconductor	LF347	14	PDIP, SOIC	0 to 70	S
LF351	National Semiconductor	OPA134	8	PDIP, SOIC	-40 to 85	S
LF351	National Semiconductor	TL081	8	PDIP, SOIC, SOP	0 to 70, -40 to 85	S
LF351	National Semiconductor	TL081A	8	PDIP, SOIC	0 to 70	S
LF351	ST Microelectronics	TL081A	8	PDIP, SOIC	0 to 70	S
LF351	National Semiconductor	TL081B	8	PDIP, SOIC	0 to 70	S
LF353	Fairchild Semiconductor	LF353	8	PDIP, SOIC	0 to 70	S
LF353	National Semiconductor	LF353	8	PDIP, SOIC	0 to 70	S
LF353	National Semiconductor	OPA2131	8	SOIC	-55 to 125	S
LF353	National Semiconductor	OPA2134	8	PDIP, SOIC	-40 to 125	S
LF353	National Semiconductor	TL082A	8	PDIP, SOIC, SOP	0 to 70	S
LF353	ST Microelectronics	TL082A	8	PDIP, SOIC, SOP	0 to 70	S
LF353	ST Microelectronics	TL082B	8	PDIP, SOIC	0 to 70	S
LF355	National Semiconductor	OPA131	8	SOIC		S
LF355	National Semiconductor	OPA132	8	SOIC	-40 to 125	S
LF355	National Semiconductor	TL081	8	PDIP, SOIC, SOP	0 to 70, -40 to 85	S
LF355	Linear Technology Corp	TL081A	8	PDIP, SOIC	0 to 70	S
LF355	National Semiconductor	TL081A	8	PDIP, SOIC	0 to 70	S
LF355	Linear Technology Corp	TL081B	8	PDIP, SOIC	0 to 70	S
LF355	National Semiconductor	TL081B	8	PDIP, SOIC	0 to 70	S
LF355B	National Semiconductor	TL081	8	PDIP, SOIC, SOP	0 to 70, -40 to 85	S
LF355B	National Semiconductor	TL081A	8	PDIP, SOIC	0 to 70	S
LF355B	National Semiconductor	TL081B	8	PDIP, SOIC	0 to 70	S
LF356	National Semiconductor	OPA132	8	SOIC	-40 to 125	S
LF356	National Semiconductor	TL081	8	PDIP, SOIC, SOP	0 to 70, -40 to 85	Q
LF356	Linear Technology Corp	TL081A	8	PDIP, SOIC	0 to 70	Q
LF356	National Semiconductor	TL081A	8	PDIP, SOIC	0 to 70	Q
LF356	Linear Technology Corp	TL081B	8	PDIP, SOIC	0 to 70	Q
LF356	National Semiconductor	TL081B	8	PDIP, SOIC	0 to 70	Q
LF356B	National Semiconductor	TL081	8	PDIP, SOIC, SOP	0 to 70, -40 to 85	Q
LF356B	National Semiconductor	TL081A	8	PDIP, SOIC	0 to 70	Q
LF356B	National Semiconductor	TL081B	8	PDIP, SOIC	0 to 70	Q
LF411	National Semiconductor	LF411	8	PDIP, SOIC	0 to 70	S
LF411A	National Semiconductor	LF411	8	PDIP, SOIC	0 to 70	Q
LF412	National Semiconductor	LF412	8	PDIP, SOIC	0 to 70	S

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## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
LF412	National Semiconductor	OPA2132	8	PDIP, SOIC	-40 to 125	S
LF412	National Semiconductor	TL072	8, 10, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
LF412	National Semiconductor	TL082	8, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
LF412A	National Semiconductor	LF412	8	PDIP, SOIC	0 to 70	Q
LF441	National Semiconductor	OPA137	5, 8	PDIP, SOIC, SOT-23		S
LF442	National Semiconductor	OPA2137	8	MSOP, PDIP, SOIC	-40 to 85	S
LF444	National Semiconductor	OPA4137	14	PDIP, SOIC	-40 to 85	S
LF451	National Semiconductor	OPA134	8	PDIP, SOIC	-40 to 85	S
LF453	National Semiconductor	OPA2134	8	PDIP, SOIC	-40 to 125	S
LF453	National Semiconductor	TL082A	8	PDIP, SOIC, SOP	0 to 70	S
LF453	National Semiconductor	TL082B	8	PDIP, SOIC	0 to 70	S
LM107	National Semiconductor	OPA277	8	PDIP, SOIC, SON	-40 to 85	S
LM111	National Semiconductor	LM111	8, 20	CDIP, LCCC	-55 to 125	S
LM111	Philips Semiconductor	LM111	8, 20	CDIP, LCCC	-55 to 125	S
LM111	ST Microelectronics	LM111	8, 20	CDIP, LCCC	-55 to 125	S
LM1117-1.8	National Semiconductor	TLV1117-18	3, 4, 8	SON, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
LM1117-2.5	National Semiconductor	TLV1117-25	2, 3, 4, 8	PFM, SON, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
LM1117-3.3	National Semiconductor	TLV1117-33	3, 4, 8	SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	S
LM1117-3.3	National Semiconductor	TLV1117-50	3, 4, 8	SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	Q
LM1117-5.0	National Semiconductor	TLV1117-33	3, 4, 8	SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	Q
LM1117-5.0	National Semiconductor	TLV1117-50	3, 4, 8	SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	S
LM1117-50	National Semiconductor	TLV1117-50	3, 4, 8	SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	S
LM1117-ADJ	National Semiconductor	TLV1117	2, 3, 4, 8	PFM, SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	S
LM1117-ADJ	National Semiconductor	TLV1117-33	3, 4, 8	SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	S
LM1117-ADJ	National Semiconductor	TLV1117-50	3, 4, 8	SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	S
LM124	National Semiconductor	LM124	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
LM124	Philips Semiconductor	LM124	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
LM124	ST Microelectronics	LM124	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
LM124	National Semiconductor	LM124A	14, 20	CDIP, LCCC	-55 to 125	S
LM124	Philips Semiconductor	LM124A	14, 20	CDIP, LCCC	-55 to 125	S
LM124A	National Semiconductor	LM124	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
LM124A	ST Microelectronics	LM124	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
LM124A	National Semiconductor	LM124A	14, 20	CDIP, LCCC	-55 to 125	S
LM139	National Semiconductor	LM139	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
LM139	Philips Semiconductor	LM139	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
LM139	National Semiconductor	LM139A	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
LM139	Philips Semiconductor	LM139A	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
LM139	National Semiconductor	TLC139	14, 20	CDIP, LCCC, SOIC	-55 to 125	S
LM139	Philips Semiconductor	TLC139	14, 20	CDIP, LCCC, SOIC	-55 to 125	S
LM139	National Semiconductor	TLC339	14	PDIP, SOIC, SOP, SSOP, TSSOP	-55 to 125	S
LM139	Philips Semiconductor	TLC339	14	PDIP, SOIC, SOP, SSOP, TSSOP	-55 to 125	S
LM139A	National Semiconductor	LM139	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
LM139A	ST Microelectronics	LM139	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
LM139A	National Semiconductor	LM139A	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
LM139A	ST Microelectronics	LM139A	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
LM139A	National Semiconductor	TLC139	14, 20	CDIP, LCCC, SOIC	-55 to 125	S
LM139A	National Semiconductor	TLC339	14	PDIP, SOIC, SOP, SSOP, TSSOP	-55 to 125	S

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## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
LM139A	ST Microelectronics	TLC339	14	PDIP, SOIC, SOP, SSOP, TSSOP	-55 to 125	S
LM139D	ST Microelectronics	LM139	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
LM139D	ST Microelectronics	LM139A	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
LM139D	ST Microelectronics	TLC339	14	PDIP, SOIC, SOP, SSOP, TSSOP	-55 to 125	S
LM1458	Fairchild Semiconductor	MC1458	8	PDIP, SOIC, SOP	0 to 70	S
LM1458	National Semiconductor	MC1458	8	PDIP, SOIC, SOP	0 to 70	S
LM148	National Semiconductor	LM148	14, 20	CDIP, LCCC	-55 to 125	S
LM148	National Semiconductor	LT1014	14, 20	CDIP, LCCC, PDIP	0 to 70, -55 to 125	S
LM148	National Semiconductor	LT1014A	14, 20	CDIP, LCCC	-55 to 125	S
LM1558	National Semiconductor	MC1558	8, 20	CDIP, LCCC	-55 to 125	Q
LM158	National Semiconductor	LM158	8, 20	CDIP, LCCC	-55 to 125	S
LM158	ST Microelectronics	LM158	8, 20	CDIP, LCCC	-55 to 125	S
LM158	National Semiconductor	LM158A	8, 20	CDIP, LCCC	-55 to 125	S
LM158	ST Microelectronics	LM158A	8, 20	CDIP, LCCC	-55 to 125	S
LM158	National Semiconductor	LM258	8	MSOP, PDIP, SOIC	-25 to 85	S
LM158	National Semiconductor	LT1013AM	8, 20	CDIP, LCCC	-55 to 125	S
LM158	ST Microelectronics	LT1013AM	8, 20	CDIP, LCCC	-55 to 125	S
LM158	National Semiconductor	LT1013M	8, 20	CDIP, LCCC	-55 to 125	S
LM158	ST Microelectronics	LT1013M	8, 20	CDIP, LCCC	-55 to 125	S
LM158A	National Semiconductor	LM158	8, 20	CDIP, LCCC	-55 to 125	S
LM158A	ST Microelectronics	LM158	8, 20	CDIP, LCCC	-55 to 125	S
LM158A	National Semiconductor	LM158A	8, 20	CDIP, LCCC	-55 to 125	S
LM158A	ST Microelectronics	LM158A	8, 20	CDIP, LCCC	-55 to 125	S
LM158A	National Semiconductor	LT1013AM	8, 20	CDIP, LCCC	-55 to 125	S
LM158A	ST Microelectronics	LT1013AM	8, 20	CDIP, LCCC	-55 to 125	S
LM158A	National Semiconductor	LT1013M	8, 20	CDIP, LCCC	-55 to 125	S
LM158A	ST Microelectronics	LT1013M	8, 20	CDIP, LCCC	-55 to 125	S
LM193	National Semiconductor	LM193	8, 20	CDIP, LCCC, SOIC	-55 to 125	S
LM193	ST Microelectronics	LM193	8, 20	CDIP, LCCC, SOIC	-55 to 125	S
LM193	National Semiconductor	TLC193	8	CDIP, SOIC	-55 to 125	S
LM193	ST Microelectronics	TLC193	8	CDIP, SOIC	-55 to 125	S
LM193A	National Semiconductor	LM193	8, 20	CDIP, LCCC, SOIC	-55 to 125	S
LM193A	National Semiconductor	TLC193	8	CDIP, SOIC	-55 to 125	S
LM211	National Semiconductor	LM211	8	PDIP, SOIC, TSSOP	-40 to 85, -40 to 125	S
LM211	Philips Semiconductor	LM211	8	PDIP, SOIC, TSSOP	-40 to 85, -40 to 125	S
LM224	National Semiconductor	LM124	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
LM224	National Semiconductor	LM124A	14, 20	CDIP, LCCC	-55 to 125	S
LM224	Fairchild Semiconductor	LM224	14	PDIP, SOIC	-25 to 85	S
LM224	National Semiconductor	LM224	14	PDIP, SOIC	-25 to 85	S
LM224	Philips Semiconductor	LM224	14	PDIP, SOIC	-25 to 85	S
LM224	ST Microelectronics	LM224	14	PDIP, SOIC	-25 to 85	S
LM224A	Fairchild Semiconductor	LM224A	14	PDIP, SOIC	-25 to 85	S
LM224A	National Semiconductor	LM224A	14	PDIP, SOIC	-25 to 85	S
LM236-2.5	National Semiconductor	LM236-2.5	8	SOIC	-25 to 85	S
LM236A-2.5	National Semiconductor	LM236-2.5	8	SOIC	-25 to 85	Q
LM239	Fairchild Semiconductor	LM239	14	PDIP, SOIC, TSSOP	-25 to 85	S
LM239	National Semiconductor	LM239	14	PDIP, SOIC, TSSOP	-25 to 85	S
LM239	Philips Semiconductor	LM239	14	PDIP, SOIC, TSSOP	-25 to 85	S
LM239	On Semiconductor	LM239A	14	SOIC	-25 to 125	S
LM239	Philips Semiconductor	LM239A	14	SOIC	-25 to 125	S
LM239	ST Microelectronics	LM239A	14	SOIC	-25 to 125	S
LM239A	National Semiconductor	LM239	14	PDIP, SOIC, TSSOP	-25 to 85	S
LM239A	Fairchild Semiconductor	LM239A	14	SOIC	-25 to 125	S
LM239A	ST Microelectronics	LM239A	14	SOIC	-25 to 125	S
LM248	Fairchild Semiconductor	LM248	14	PDIP, SOIC	-25 to 85	S
LM248	National Semiconductor	LM248	14	PDIP, SOIC	-25 to 85	S
LM2524	National Semiconductor	UC2524	16	PDIP, SOIC	-25 to 85	S
LM2524D	National Semiconductor	SG2524	16	PDIP, SOIC	-25 to 85	Q
LM258	Fairchild Semiconductor	LM258	8	MSOP, PDIP, SOIC	-25 to 85	S
LM258	Philips Semiconductor	LM258	8	MSOP, PDIP, SOIC	-25 to 85	S

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Usage Code: **S**=Equivalent, **Q**=Same functionality and pinout but not exact equivalent

\* **Must-Have product**

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
LM258	ST Microelectronics	LM258	8	MSOP, PDIP, SOIC	-25 to 85	S
LM258A	Fairchild Semiconductor	LM258A	8	MSOP, PDIP, SOIC	-25 to 85	S
LM285-1-2	National Semiconductor	LM285-1.2	3, 8	SOIC, TO-92	-40 to 85	S
LM285-2.5	National Semiconductor	LM285-2.5	3, 8	SOIC, TO-92	-40 to 85	S
LM285B-1-2	National Semiconductor	LM285-1.2	3, 8	SOIC, TO-92	-40 to 85	S
LM285B-2.5	National Semiconductor	LM285-2.5	3, 8	SOIC, TO-92	-40 to 85	S
LM2900	National Semiconductor	LM2900	14	PDIP, SOIC	-40 to 85	S
LM2901	Fairchild Semiconductor	LM2901	14	PDIP, SOIC, SOP, TSSOP	-40 to 125	S
LM2901	National Semiconductor	LM2901	14	PDIP, SOIC, SOP, TSSOP	-40 to 125	S
LM2901	Philips Semiconductor	LM2901	14	PDIP, SOIC, SOP, TSSOP	-40 to 125	S
LM2902	Fairchild Semiconductor	LM2902	14	PDIP, SOIC, SOP, TSSOP	-40 to 125	S
LM2902	National Semiconductor	LM2902	14	PDIP, SOIC, SOP, TSSOP	-40 to 125	S
LM2902	Philips Semiconductor	LM2902	14	PDIP, SOIC, SOP, TSSOP	-40 to 125	S
LM2902	ST Microelectronics	LM2902	14	PDIP, SOIC, SOP, TSSOP	-40 to 125	Q
LM2903	Fairchild Semiconductor	LM2903	8	MSOP, PDIP, SOIC, SOP, TSSOP	-40 to 125	S
LM2903	National Semiconductor	LM2903	8	MSOP, PDIP, SOIC, SOP, TSSOP	-40 to 125	S
LM2903	Philips Semiconductor	LM2903	8	MSOP, PDIP, SOIC, SOP, TSSOP	-40 to 125	S
LM2904	Fairchild Semiconductor	LM2904	8	MSOP, PDIP, SOIC, SOP, TSSOP	-40 to 125	S
LM2904	National Semiconductor	LM2904	8	MSOP, PDIP, SOIC, SOP, TSSOP	-40 to 125	S
LM2904	Philips Semiconductor	LM2904	8	MSOP, PDIP, SOIC, SOP, TSSOP	-40 to 125	S
LM2904	ST Microelectronics	LM2904	8	MSOP, PDIP, SOIC, SOP, TSSOP	-40 to 125	Q
LM293	Fairchild Semiconductor	LM293	8	MSOP, PDIP, SOIC	-25 to 85	S
LM293	Philips Semiconductor	LM293	8	MSOP, PDIP, SOIC	-25 to 85	S
LM2930-5.0	National Semiconductor	TL750L05	3, 8	PFM, SOIC, TO-220, TO-92, TO-263	0 to 125	S
LM29315	Fairchild Semiconductor	TL750L05	3, 8	PFM, SOIC, TO-220, TO-92, TO-263	0 to 125	Q
LM2931-5.0	National Semiconductor	TL750L05	3, 8	PFM, SOIC, TO-220, TO-92, TO-263	0 to 125	S
LM2931A-5.0	National Semiconductor	TL750L05	3, 8	PFM, SOIC, TO-220, TO-92, TO-263	0 to 125	S
LM2937-12	National Semiconductor	UA78M12	2, 3	PFM, TO-220, TO-252	0 to 125	Q
LM2937-3.3	National Semiconductor	UA78M33	2, 3, 4	PFM, SOT-223, TO-220, TO-252	0 to 125	Q
LM2937-5	National Semiconductor	UA78M05	2, 3, 4	PFM, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	Q
LM2937-5.0	National Semiconductor	UA78M05	2, 3, 4	PFM, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
LM2937-8	National Semiconductor	UA78M08	2, 3, 4	PFM, SOT-223, TO-220, TO-252	0 to 125	Q
LM2937-8.0	National Semiconductor	UA78M08	2, 3, 4	PFM, SOT-223, TO-220, TO-252	0 to 125	Q
LM293A	Fairchild Semiconductor	LM293	8	MSOP, PDIP, SOIC	-25 to 85	S
LM293A	Philips Semiconductor	LM293	8	MSOP, PDIP, SOIC	-25 to 85	S
LM293A	Fairchild Semiconductor	LM293A	8	MSOP, SOIC	-25 to 85	S
LM293A	Philips Semiconductor	LM293A	8	MSOP, SOIC	-25 to 85	S
LM2940-10	National Semiconductor	UA7810	3	PFM, TO-220, TO-263	0 to 125	S
LM2940-12	National Semiconductor	UA7812	3	PFM, TO-220, TO-263	0 to 125	S
LM2940-5.0	National Semiconductor	UA7805	3	PFM, TO-220, TO-263	0 to 125	S
LM2940-8.0	National Semiconductor	UA7808	3	PFM, TO-220, TO-263	0 to 125	S
LM2940C-12	National Semiconductor	UA7812	3	PFM, TO-220, TO-263	0 to 125	S
LM2940C-15	National Semiconductor	UA7815	3	PFM, TO-220, TO-263	0 to 125	Q
LM2940C-5.0	National Semiconductor	UA7805	3	PFM, TO-220, TO-263	0 to 125	Q
LM2980-3.3	National Semiconductor	LP2981A-33	5	SOT-23	-40 to 125	S
LM311	Fairchild Semiconductor	LM311	8	PDIP, SOIC, SOP, TSSOP	0 to 70	S

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\* **Must-Have product**



## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
LM311	National Semiconductor	LM311	8	PDIP, SOIC, SOP, TSSOP	0 to 70	S
LM311	Philips Semiconductor	LM311	8	PDIP, SOIC, SOP, TSSOP	0 to 70	S
LM317	Fairchild Semiconductor	LM311	8	PDIP, SOIC, SOP, TSSOP	0 to 70	S
LM317	Bay Linear	LM317	3, 4	SOT-223, TO-220, TO-263	0 to 125	S
LM317	Fairchild Semiconductor	LM317	3, 4	SOT-223, TO-220	0 to 125	S
LM317	FCI Semiconductor	LM317	3, 4	SOT-223, TO-220	0 to 125	Q
LM317	National Semiconductor	LM317	3, 4	SOT-223, TO-220	0 to 125	S
LM317	On Semiconductor	LM317	3, 4	SOT-223, TO-220	0 to 125	S
LM317	FCI Semiconductor	LM317L	3, 8	SOIC, TO-92, TSSOP	0 to 125	Q
LM317A	National Semiconductor	LM317	3, 4	SOT-223, TO-220	0 to 125	S
LM317A	National Semiconductor	LM317M	2, 3, 4	PFM, SOT-223, TO-252	0 to 125	S
LM317B	On Semiconductor	LM317	3, 4	SOT-223, TO-220	0 to 125	Q
LM317B	On Semiconductor	LM317L	3, 8	SOIC, TO-92, TSSOP	0 to 125	Q
LM317H	National Semiconductor	LM317	3, 4	SOT-223, TO-220	0 to 125	Q
LM317L	Fairchild Semiconductor	LM317	3, 4	SOT-223, TO-220	0 to 125	Q
LM317L	National Semiconductor	LM317	3, 4	SOT-223, TO-220	0 to 125	S
LM317L	ST Microelectronics	LM317	3, 4	SOT-223, TO-220	0 to 125	S
LM317L	Fairchild Semiconductor	LM317L	3, 8	SOIC, TO-92, TSSOP	0 to 125	Q
LM317L	National Semiconductor	LM317L	3, 8	SOIC, TO-92, TSSOP	0 to 125	S
LM317L	ST Microelectronics	LM317L	3, 8	SOIC, TO-92, TSSOP	0 to 125	S
LM317L	On Semiconductor	TL317	3, 8	SOIC, TO-92, TSSOP	0 to 125	S
LM317L	ST Microelectronics	TL317	3, 8	SOIC, TO-92, TSSOP	0 to 125	Q
LM317M	Fairchild Semiconductor	LM317M	2, 3, 4	PFM, SOT-223, TO-252	0 to 125	S
LM317M	National Semiconductor	LM317M	2, 3, 4	PFM, SOT-223, TO-252	0 to 125	S
LM318	National Semiconductor	LM318	8	PDIP, SOIC, SOP	0 to 70	S
LM320-12	National Semiconductor	UA7912	3	TO-220	0 to 125	S
LM320-5.0	National Semiconductor	UA7905	3	PFM, TO-220, TO-263	0 to 125	Q
LM320L-05	National Semiconductor	MC79L05A	3, 8	SOIC, TO-92	0 to 125	S
LM320L-12	National Semiconductor	MC79L12	3	TO-92	0 to 125	S
LM320L-12	National Semiconductor	MC79L12A	3, 8	SOIC, TO-92	0 to 125	S
LM320L-15	National Semiconductor	MC79L15	8	SOIC	0 to 125	S
LM320L-15	National Semiconductor	MC79L15A	3	TO-92	0 to 125	S
LM324	National Semiconductor	LM2902	14	PDIP, SOIC, SOP, TSSOP	-40 to 125	Q
LM324	Fairchild Semiconductor	LM324	14	PDIP, SOIC, SOP, TSSOP	0 to 70	S
LM324	National Semiconductor	LM324	14	PDIP, SOIC, SOP, TSSOP	0 to 70	S
LM324	Philips Semiconductor	LM324	14	PDIP, SOIC, SOP, TSSOP	0 to 70	S
LM324	ST Microelectronics	LM324	14	PDIP, SOIC, SOP, TSSOP	0 to 70	S
LM324	National Semiconductor	LMV324	14	SOIC, TSSOP	-40 to 85, -40 to 125	Q
LM324A	National Semiconductor	LM324	14	PDIP, SOIC, SOP, TSSOP	0 to 70	S
LM324A	ST Microelectronics	LM324	14	PDIP, SOIC, SOP, TSSOP	0 to 70	S
LM324A	Fairchild Semiconductor	LM324A	14	PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70	S
LM324A	National Semiconductor	LM324A	14	PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70	S
LM324A	Philips Semiconductor	LM324A	14	PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70	S
LM324A	ST Microelectronics	LM324KA	14	PDIP, SOIC, SOP, TSSOP	0 to 70	S
LM324M	Fairchild Semiconductor	LM324	14	PDIP, SOIC, SOP, TSSOP	0 to 70	S
LM3302	Fairchild Semiconductor	LM3302	14	PDIP, SOIC	-40 to 85	S
LM3302	National Semiconductor	LM3302	14	PDIP, SOIC	-40 to 85	S
LM3303	National Semiconductor	MC3303	14	PDIP, SOIC, TSSOP	-40 to 85	S
LM330-5.0	National Semiconductor	TL750L05	3, 8	PFM, SOIC, TO-220, TO-92, TO-263	0 to 125	S
LM336	ST Microelectronics	LM336-2.5	3, 8	SOIC, TO-92	0 to 70	S
LM336-2.5	Linear Technology Corp	LM336-2.5	3, 8	SOIC, TO-92	0 to 70	S
LM336-2.5	National Semiconductor	LM336-2.5	3, 8	SOIC, TO-92	0 to 70	S
LM336-2.5	National Semiconductor	LM336B-2.5	3, 8	SOIC, TO-92	0 to 70	S
LM336-2.5	Linear Technology Corp	LT1009	3, 8	SOIC, TO-92, TSSOP	0 to 70, -40 to 85	S
LM336-2.5	National Semiconductor	LT1009	3, 8	SOIC, TO-92, TSSOP	0 to 70, -40 to 85	S
LM336-5.0	National Semiconductor	LM336-2.5	3, 8	SOIC, TO-92	0 to 70	Q
LM336B-2.5	National Semiconductor	LM336-2.5	3, 8	SOIC, TO-92	0 to 70	S
LM336B-2.5	National Semiconductor	LT1009	3, 8	SOIC, TO-92, TSSOP	0 to 70, -40 to 85	S

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\* **Must-Have product**

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
LM336B-25	Fairchild Semiconductor	LM336B-2.5	3, 8	SOIC, TO-92	0 to 70	S
LM337	Fairchild Semiconductor	LM337	2, 3	PFM, TO-220, TO-252, TO-263	0 to 125	S
LM337	National Semiconductor	LM337	2, 3	PFM, TO-220, TO-252, TO-263	0 to 125	S
LM337	ST Microelectronics	LM337	2, 3	PFM, TO-220, TO-252, TO-263	0 to 125	S
LM339	Fairchild Semiconductor	LM339	14	PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70	S
LM339	National Semiconductor	LM339	14	PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70	S
LM339	Philips Semiconductor	LM339	14	PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70	S
LM339A	National Semiconductor	LM339	14	PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70	S
LM339A	Fairchild Semiconductor	LM339A	14	PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70	S
LM339A	National Semiconductor	LM339A	14	PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70	S
LM339A	Philips Semiconductor	LM339A	14	PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70	S
LM340-12	National Semiconductor	UA7812	3	PFM, TO-220, TO-263	0 to 125	S
LM340-15	National Semiconductor	UA7812	3	PFM, TO-220, TO-263	0 to 125	S
LM340-15	National Semiconductor	UA7815	3	PFM, TO-220, TO-263	0 to 125	S
LM3403	National Semiconductor	MC3403	14	PDIP, SOIC, SOP, TSSOP	0 to 70	S
LM340-5.0	National Semiconductor	UA7805	3	PFM, TO-220, TO-263	0 to 125	S
LM340A-12	National Semiconductor	TL780-12	3	TO-220	0 to 125	S
LM340A-15	National Semiconductor	TL780-15	3	TO-220	0 to 125	S
LM340A-5.0	National Semiconductor	TL780-05	3	PFM, TO-220, TO-263	0 to 125	S
LM341-12	National Semiconductor	UA78M12	2, 3	PFM, TO-220, TO-252	0 to 125	S
LM341-5.0	National Semiconductor	UA78M05	2, 3, 4	PFM, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
LM341-8.0	National Semiconductor	UA78M08	2, 3, 4	PFM, SOT-223, TO-220, TO-252	0 to 125	S
LM348	Fairchild Semiconductor	LM348	14	PDIP, SOIC, SOP	0 to 70	S
LM348	National Semiconductor	LM348	14	PDIP, SOIC, SOP	0 to 70	S
LM3524	National Semiconductor	SG3524	16	PDIP, SOIC, SOP	0 to 70	Q
LM3524D	National Semiconductor	SG3524	16	PDIP, SOIC, SOP	0 to 70	Q
LM3543	National Semiconductor	TPS2043B	16	SOIC	-40 to 85	S
LM3543	National Semiconductor	TPS2053B	16	SOIC	-40 to 85	S
LM3544	National Semiconductor	TPS2044B	16	SOIC	-40 to 85	S
LM3544	National Semiconductor	TPS2054B	16	SOIC	-40 to 85	S
LM358	Fairchild Semiconductor	LM358	8	MSOP, PDIP, SOIC, SOP, TSSOP	0 to 70	S
LM358	National Semiconductor	LM358	8	MSOP, PDIP, SOIC, SOP, TSSOP	0 to 70	S
LM358	Philips Semiconductor	LM358	8	MSOP, PDIP, SOIC, SOP, TSSOP	0 to 70	S
LM358	ST Microelectronics	LM358	8	MSOP, PDIP, SOIC, SOP, TSSOP	0 to 70	S
LM358	National Semiconductor	LM358A	8	MSOP, PDIP, SOIC, TSSOP	0 to 70	S
LM358	National Semiconductor	OPA2237	8	MSOP, SOIC	-40 to 85	S
LM358A	Fairchild Semiconductor	LM358A	8	MSOP, PDIP, SOIC, TSSOP	0 to 70	S
LM358A	National Semiconductor	LM358A	8	MSOP, PDIP, SOIC, TSSOP	0 to 70	S
LM358A	Philips Semiconductor	LM358A	8	MSOP, PDIP, SOIC, TSSOP	0 to 70	S
LM385-1.2	National Semiconductor	LM385-1.2	3, 8	SOIC, SOP, TO-92, TSSOP	0 to 70	S
LM385-2.5	National Semiconductor	LM385-2.5	3, 8	SOIC, TO-92, TSSOP	0 to 70	S
LM385-2.5	On Semiconductor	LM385-2.5	3, 8	SOIC, TO-92, TSSOP	0 to 70	S
LM385-2.5	National Semiconductor	LM385B-2.5	3, 8	SOIC, TO-92, TSSOP	0 to 70	S
LM385B-1.2	National Semiconductor	LM385B-1.2	3, 8	SOIC, TO-92, TSSOP	0 to 70	S
LM385B-2.5	National Semiconductor	LM385B-2.5	3, 8	SOIC, TO-92, TSSOP	0 to 70	S
LM3900	National Semiconductor	LM3900	14	PDIP, SOIC	0 to 70	S
LM392	National Semiconductor	LM392	8	MSOP, PDIP, SOIC	0 to 70	S
LM393	Fairchild Semiconductor	LM393	8	MSOP, PDIP, SOIC, SOP, TSSOP	0 to 70	S

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Usage Code: S=Equivalent, Q=Same functionality and pinout but not exact equivalent

\* Must-Have product

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
LM393	National Semiconductor	LM393	8	MSOP, PDIP, SOIC, SOP, TSSOP	0 to 70	S
LM393	Philips Semiconductor	LM393	8	MSOP, PDIP, SOIC, SOP, TSSOP	0 to 70	S
LM393A	Fairchild Semiconductor	LM393A	8	MSOP, PDIP, SOIC, SOP, TSSOP	0 to 70	S
LM393A	National Semiconductor	LM393A	8	MSOP, PDIP, SOIC, SOP, TSSOP	0 to 70	Q
LM393A	Philips Semiconductor	LM393A	8	MSOP, PDIP, SOIC, SOP, TSSOP	0 to 70	S
LM397	National Semiconductor	TL331	5	SOT-23	-40 to 85	Q
LM4040A-10.0	National Semiconductor	LM4040A10*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040A-2.1	Maxim	LM4040A20*	3, 5	SC70, SOT-23	-40 to 85	S
LM4040A-2.5	Maxim	LM4040A25*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040A-2.5	Micrel	LM4040A25*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040A-2.5	National Semiconductor	LM4040A25*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040A-3.0	Maxim	LM4040A30*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040A-3.0	National Semiconductor	LM4040A30*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040A-4.1	Maxim	LM4040A41*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040A-4.1	Micrel	LM4040A41*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040A-4.1	National Semiconductor	LM4040A41*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040A-5.0	Maxim	LM4040A50*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040A-5.0	Micrel	LM4040A50*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040A-5.0	National Semiconductor	LM4040A50*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040A-8.2	National Semiconductor	LM4040A82	3, 5	SC70, SOT-23	-40 to 85	S
LM4040B-10.0	National Semiconductor	LM4040B10*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040B-2.1	Maxim	LM4040B20*	3, 5	SC70, SOT-23	-40 to 85	S
LM4040B-2.5	Maxim	LM4040B25*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040B-2.5	Micrel	LM4040B25*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040B-2.5	National Semiconductor	LM4040B25*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040B-3.0	Maxim	LM4040B30*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040B-3.0	National Semiconductor	LM4040B30*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040B-4.1	Maxim	LM4040B41*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040B-4.1	Micrel	LM4040B41*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040B-4.1	National Semiconductor	LM4040B41*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040B-5.0	Maxim	LM4040B50*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040B-5.0	Micrel	LM4040B50*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040B-5.0	National Semiconductor	LM4040B50*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040B-8.2	National Semiconductor	LM4040B82	3, 5	SC70, SOT-23	-40 to 85	S
LM4040C-10.0	National Semiconductor	LM4040C10*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040C-2.0	National Semiconductor	LM4040C20*	3, 5	SC70, SOT-23	-40 to 85, -40 to 125	S
LM4040C-2.1	Maxim	LM4040C20*	3, 5	SC70, SOT-23	-40 to 85, -40 to 125	S
LM4040C-2.5	Maxim	LM4040C25*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
LM4040C-2.5	Micrel	LM4040C25*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
LM4040C-2.5	National Semiconductor	LM4040C25*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
LM4040C-3.0	Maxim	LM4040C30*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
LM4040C-3.0	National Semiconductor	LM4040C30*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
LM4040C-4.1	Maxim	LM4040C41*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040C-4.1	Micrel	LM4040C41*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040C-4.1	National Semiconductor	LM4040C41*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040C-5.0	Maxim	LM4040C50*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
LM4040C-5.0	Micrel	LM4040C50*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
LM4040C-5.0	National Semiconductor	LM4040C50*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
LM4040C-8.2	National Semiconductor	LM4040C82	3, 5	SC70, SOT-23	-40 to 85	S
LM4040D-10.0	National Semiconductor	LM4040D10*	3, 5	SC70, SOT-23	-40 to 85	S
LM4040D-2.0	National Semiconductor	LM4040D20*	3, 5	SC70, SOT-23	-40 to 85, -40 to 125	S
LM4040D-2.1	Maxim	LM4040D20*	3, 5	SC70, SOT-23	-40 to 85, -40 to 125	S
LM4040D-2.5	Maxim	LM4040D25*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
LM4040D-2.5	Micrel	LM4040D25*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
LM4040D-2.5	National Semiconductor	LM4040D25*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
LM4040D-3.0	Maxim	LM4040D30*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
LM4040D-3.0	National Semiconductor	LM4040D30*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
LM4040D-4.1	Maxim	LM4040D41*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040D-4.1	Micrel	LM4040D41*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040D-4.1	National Semiconductor	LM4040D41*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4040D-5.0	Maxim	LM4040D50*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
LM4040D-5.0	Micrel	LM4040D50*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
LM4040D-5.0	National Semiconductor	LM4040D50*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
LM4040D-8.2	National Semiconductor	LM4040D82	3, 5	SC70, SOT-23	-40 to 85	S
LM4040E-2.0	National Semiconductor	LM4040D20*	3, 5	SC70, SOT-23	-40 to 85, -40 to 125	S
LM4040E-2.5	National Semiconductor	LM4040D25*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
LM4040E-3.0	National Semiconductor	LM4040D30*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
LM4041A-1.2	Maxim	LM4041A12*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4041A-1.2	Micrel	LM4041A12*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4041A-1.2	National Semiconductor	LM4041A12*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4041B-1.2	National Semiconductor	LM4041A12*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4041B-1.2	Maxim	LM4041B12*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4041B-1.2	Micrel	LM4041B12*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4041B-1.2	National Semiconductor	LM4041B12*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4041C-1.2	National Semiconductor	LM4041C*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
LM4041C-1.2	Maxim	LM4041C12*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
LM4041C-1.2	Micrel	LM4041C12*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
LM4041C-1.2	National Semiconductor	LM4041C12*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
LM4041C-ADJ	National Semiconductor	LM4041B*	3, 5	SC70, SOT-23, TO-92	-40 to 85	S
LM4041C-ADJ	Micrel	LM4041C*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
LM4041C-ADJ	National Semiconductor	LM4041C*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
LM4041C-ADJ	National Semiconductor	LM4041C12*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
LM4041D-1.2	Maxim	LM4041D12*	3, 5	SC70, SOT-23	-40 to 85, -40 to 125	S
LM4041D-1.2	Micrel	LM4041D12*	3, 5	SC70, SOT-23	-40 to 85, -40 to 125	S
LM4041D-1.2	National Semiconductor	LM4041D12*	3, 5	SC70, SOT-23	-40 to 85, -40 to 125	S
LM4041D-ADJ	Micrel	LM4041D*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
LM4041D-ADJ	National Semiconductor	LM4041D*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
LM4041D-ADJ	National Semiconductor	LM4041D12*	3, 5	SC70, SOT-23	-40 to 85, -40 to 125	S
LM4041E-1.2	National Semiconductor	LM4041D12*	3, 5	SC70, SOT-23	-40 to 85, -40 to 125	S
LM431	National Semiconductor	TL1431M	8, 20	CDIP, LCCC	-55 to 125	S
LM431	Fairchild Semiconductor	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
LM431	Fairchild Semiconductor	TL431B	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
LM431A	Fairchild Semiconductor	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
LM431A	National Semiconductor	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
LM431B	Fairchild Semiconductor	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
LM431B	National Semiconductor	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
LM431B	Fairchild Semiconductor	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
LM431B	National Semiconductor	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
LM431C	Fairchild Semiconductor	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
LM431C	National Semiconductor	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
LM431C	Fairchild Semiconductor	TL431B	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
LM431C	National Semiconductor	TL431B	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
LM431SA	Fairchild Semiconductor	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
LM431SB	Fairchild Semiconductor	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
LM431SC	Fairchild Semiconductor	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
LM431SC	Fairchild Semiconductor	TL431B	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
LM4665	National Semiconductor	TPA2010D1	9	DSBGA, XCEPT	-40 to 85	S
LM4667	National Semiconductor	TPA2010D1	9	DSBGA, XCEPT	-40 to 85	S
LM4860	National Semiconductor	TPA4860	16	SOIC		S
LM4861	National Semiconductor	TPA4861	8	SOIC		S
LM4871	National Semiconductor	TPA6204A1	8	SON	-40 to 85	S
LM4890	National Semiconductor	TPA6204A1	8	SON	-40 to 85	S
LM4891	National Semiconductor	TPA6204A1	8	SON	-40 to 85	S
LM4894	National Semiconductor	TPA6204A1	8	SON	-40 to 85	S
LM4895	National Semiconductor	TPA6204A1	8	SON	-40 to 85	S
LM555	Fairchild Semiconductor	NE555	8	PDIP, SOIC, SOP, TSSOP	0 to 70	S
LM555	National Semiconductor	NE555	8	PDIP, SOIC, SOP, TSSOP	0 to 70	S
LM555	National Semiconductor	SE555	8, 20	CDIP, LCCC, PDIP, SOIC	-55 to 125	S
LM555	National Semiconductor	TLC555	8, 14, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
LM556	Fairchild Semiconductor	NE556	14	PDIP, SOIC, SOP, SSOP	0 to 70	S
LM556	National Semiconductor	NE556	14	PDIP, SOIC, SOP, SSOP	0 to 70	S
LM556	National Semiconductor	SE556	14	CDIP	-55 to 125	S
LM556	National Semiconductor	TLC556M	14, 20	CDIP, LCCC, SOIC	-55 to 125	S
LM607	National Semiconductor	OPA227	8	PDIP, SOIC		S
LM723	National Semiconductor	UA723	14	PDIP, SOIC, SOP	0 to 70	S
LM723	ST Microelectronics	UA723	14	PDIP, SOIC, SOP	0 to 70	S
LM7301	National Semiconductor	OPA340	5, 8	PDIP, SOIC, SOT-23		S
LM74	National Semiconductor	TMP124	8	SOIC	-55 to 125	S
LM741	Fairchild Semiconductor	UA741	8	PDIP, SOIC, SOP	0 to 70	S
LM741	National Semiconductor	UA741	8	PDIP, SOIC, SOP	0 to 70	S
LM747C	National Semiconductor	UA747	14	PDIP	0 to 70	S
LM747E	National Semiconductor	UA747	14	PDIP	0 to 70	S
LM75	National Semiconductor	TMP175	8	SOIC	-40 to 125	S
LM75	National Semiconductor	TMP75	8	MSOP, SOIC	-40 to 125	S
LM75A	Philips Semiconductor	TMP75	8	MSOP, SOIC	-40 to 125	Q
LM7805	Fairchild Semiconductor	TL780-05	3	PFM, TO-220, TO-263	0 to 125	S
LM7805	Fairchild Semiconductor	UA7805	3	PFM, TO-220, TO-263	0 to 125	S
LM7805	National Semiconductor	UA7805	3	PFM, TO-220, TO-263	0 to 125	S
LM7805E	Fairchild Semiconductor	UA7805	3	PFM, TO-220, TO-263	0 to 125	S
LM7808	National Semiconductor	UA7808	3	PFM, TO-220, TO-263	0 to 125	S
LM7812	National Semiconductor	UA7812	3	PFM, TO-220, TO-263	0 to 125	S
LM7815	National Semiconductor	UA7815	3	PFM, TO-220, TO-263	0 to 125	S
LM7824	National Semiconductor	UA7824	3	PFM, TO-220, TO-263	0 to 125	S
LM78L05A	Fairchild Semiconductor	UA78L05A	3, 8	SOIC, SOT-89, TO-92	0 to 125, -40 to 125	S
LM78L05A	National Semiconductor	UA78L05A	3, 8	SOIC, SOT-89, TO-92	0 to 125, -40 to 125	S
LM78L09A	National Semiconductor	UA78L09A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
LM78L12A	Fairchild Semiconductor	UA78L12A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
LM78L12A	National Semiconductor	UA78L12A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
LM78L15A	National Semiconductor	UA78L15A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
LM78L62A	National Semiconductor	UA78L06A	3	SOT-89, TO-92	0 to 125	Q
LM78L82A	National Semiconductor	UA78L08A	3, 8	SOIC, SOT-89, TO-92	0 to 125	Q
LM78M05	Fairchild Semiconductor	UA78M05	2, 3, 4	PFM, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
LM78M05	National Semiconductor	UA78M05	2, 3, 4	PFM, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
LM78M05	Fairchild Semiconductor	UA78M12	2, 3	PFM, TO-220, TO-252	0 to 125	Q
LM78M12	National Semiconductor	UA78M12	2, 3	PFM, TO-220, TO-252	0 to 125	S
LM7905	Fairchild Semiconductor	UA7905	3	PFM, TO-220, TO-263	0 to 125	S
LM7912	National Semiconductor	UA7912	3	TO-220	0 to 125	S
LM79L05A	Fairchild Semiconductor	MC79L05A	3, 8	SOIC, TO-92	0 to 125	S
LM79L05A	National Semiconductor	MC79L05A	3, 8	SOIC, TO-92	0 to 125	S
LM79L12A	National Semiconductor	MC79L12	3	TO-92	0 to 125	S
LM79L12A	National Semiconductor	MC79L12A	3, 8	SOIC, TO-92	0 to 125	S

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
LM79L15A	National Semiconductor	MC79L15	8	SOIC	0 to 125	S
LM79L15A	National Semiconductor	MC79L15A	3	TO-92	0 to 125	S
LM79M05	Fairchild Semiconductor	UA79M05	2, 3	PFM, TO-220, TO-252	0 to 125	S
LM809	National Semiconductor	TPS3809L30	3	SOT-23	-40 to 85	S
LM809	National Semiconductor	TPS3809L30	3	SOT-23	-40 to 85	S
LM833	National Semiconductor	RC4580	8	PDIP, SOIC, TSSOP	-40 to 85	Q
LMC555	National Semiconductor	SE555	8, 20	CDIP, LCCC, PDIP, SOIC	-55 to 125	S
LMC555	National Semiconductor	TLC555	8, 14, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
LMC6001	National Semiconductor	OPA344	5, 8	PDIP, SOIC, SOT-23		S
LMC6022	National Semiconductor	OPA2342	8	MSOP, SOIC		S
LMC6024	National Semiconductor	OPA4342	14	PDIP, SOIC, TSSOP		S
LMC6032	National Semiconductor	OPA2342	8	MSOP, SOIC		S
LMC6034	National Semiconductor	OPA4342	14	PDIP, SOIC, TSSOP		S
LMC660A	National Semiconductor	TLC2272	8	PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 125	Q
LMC7101	National Semiconductor	OPA342	5, 8	SOIC, SOT-23		Q
LMC7101A	National Semiconductor	OPA340	5, 8	PDIP, SOIC, SOT-23		Q
LMC7101A	National Semiconductor	TLV2231	5	SOT-23	0 to 70, -40 to 85	Q
LMC7101A	National Semiconductor	TLV2731	5	SOT-23	0 to 70, -40 to 85	Q
LMC7101B	National Semiconductor	OPA340	5, 8	PDIP, SOIC, SOT-23		Q
LMC7101B	National Semiconductor	OPA342	5, 8	SOIC, SOT-23		Q
LMP2011	National Semiconductor	OPA335	5, 8	SOIC, SOT-23	-40 to 125	S
LMP2012	National Semiconductor	OPA2335	8	MSOP, SOIC		S
LMV2011	National Semiconductor	OPA335	5, 8	SOIC, SOT-23	-40 to 125	S
LMV321	National Semiconductor	LMV321	5	SC70, SOT-23	-40 to 85	S
LMV321	National Semiconductor	OPA337	5, 8	MSOP, PDIP, SOIC, SOT-23		Q
LMV321A	Fairchild Semiconductor	LMV321	5	SC70, SOT-23	-40 to 85	S
LMV324	National Semiconductor	LM324	14	PDIP, SOIC, SOP, TSSOP	0 to 70	S
LMV324	National Semiconductor	LMV324	14	SOIC, TSSOP	-40 to 85, -40 to 125	Q
LMV324	National Semiconductor	OPA4342	14	PDIP, SOIC, TSSOP		S
LMV324A	Fairchild Semiconductor	LMV324	14	SOIC, TSSOP	-40 to 85, -40 to 125	S
LMV331	National Semiconductor	LMV331	5	SC70, SOT-23	-40 to 85	S
LMV339	National Semiconductor	LMV339	14	SOIC, TSSOP	-40 to 85	S
LMV341	National Semiconductor	LMV341	6	SC70, SOT-23	-40 to 85	S
LMV342	National Semiconductor	LMV342	8	MSOP, SOIC, VSSOP	-40 to 125	S
LMV344	National Semiconductor	LMV344	14	SOIC, TSSOP	-40 to 125	S
LMV344	National Semiconductor	MC3403	14	PDIP, SOIC, SOP, TSSOP	0 to 70	Q
LMV344	National Semiconductor	TL064	14, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70, -40 to 85, -55 to 125	Q
LMV358	National Semiconductor	LMV358	8	MSOP, SOIC, TSSOP, VSSOP	-40 to 85, -40 to 125	S
LMV358	National Semiconductor	OPA2337	8	PDIP, SOIC, SOT-23	-40 to 85	S
LMV358A	Fairchild Semiconductor	LMV358	8	MSOP, SOIC, TSSOP, VSSOP	-40 to 85, -40 to 125	S
LMV393	National Semiconductor	LMV393	8	MSOP, SOIC, TSSOP, VSSOP	-40 to 85	S
LMV431	National Semiconductor	TLV431*	3, 5	SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	S
LMV431	National Semiconductor	TLV431A*	3, 5, 8	SOIC, SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	S
LMV431	National Semiconductor	TLV431B*	3, 5, 6	SC70, SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	S
LMV431A	National Semiconductor	TLV431*	3, 5	SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	S
LMV431A	National Semiconductor	TLV431A*	3, 5, 8	SOIC, SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	Q
LMV431B	National Semiconductor	TLV431B*	3, 5, 6	SC70, SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	Q
LMV710	National Semiconductor	LMV710*	5	SC70, SOT-23	-40 to 85	S
LMV711	National Semiconductor	LMV711*	6	SC70, SOT-23	-40 to 85	S
LMV712	National Semiconductor	LMV712*	10	VSSOP	-40 to 85	S
LMV715	National Semiconductor	LMV715*	6	SC70, SOT-23	-40 to 85	S
LMV721	National Semiconductor	OPA343	5, 8	SOIC, SOT-23		S
LMV722	National Semiconductor	OPA2343	8	MSOP, SOIC		S
LMV722	National Semiconductor	OPA353	5, 8	SOIC, SOT-23		S

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
LMV751	National Semiconductor	OPA340	5, 8	PDIP, SOIC, SOT-23		S
LMV821	National Semiconductor	LMV821*	5	SC70, SOT-23	-40 to 85, -40 to 125	S
LMV821	National Semiconductor	OPA338	5, 8	SOIC, SOT-23		Q
LMV822	National Semiconductor	LMV822*	8	MSOP, SOIC	-40 to 85, -40 to 125	S
LMV822	National Semiconductor	OPA2343	8	MSOP, SOIC		S
LMV824	National Semiconductor	LMV824*	14	SOIC, TSSOP, TVSOP	-40 to 85, -40 to 125	S
LMV824	National Semiconductor	OPA4343	14, 16	QSOP, SOIC, TSSOP		S
LMV921	National Semiconductor	OPA342	5, 8	SOIC, SOT-23		Q
LMV931	National Semiconductor	LMV931*	5	SC70, SOT-23	-40 to 125	S
LMV932	National Semiconductor	LMV932*	8	MSOP, SOIC	-40 to 125	S
LMV934	National Semiconductor	LMV934*	14	SOIC, TSSOP	-40 to 125	S
LMV981	National Semiconductor	LMV981*	6	SC70, SOT-23	-40 to 125	S
LMV982	National Semiconductor	LMV982*	10	VSSOP	-40 to 85	S
LMX321	Maxim	LMV321	5	SC70, SOT-23	-40 to 85	Q
LMX324	Maxim	LMV324	14	SOIC, TSSOP	-40 to 85, -40 to 125	Q
LMX331	Maxim	LMV331	5	SC70, SOT-23	-40 to 85	Q
LMX339	Maxim	LMV339	14	SOIC, TSSOP	-40 to 85	Q
LMX358	Maxim	LMV358	8	MSOP, SOIC, TSSOP, VSSOP	-40 to 85, -40 to 125	Q
LMX393	Maxim	LMV393	8	MSOP, SOIC, TSSOP, VSSOP	-40 to 85	Q
LMX394	Maxim	LMV393	8	MSOP, SOIC, TSSOP, VSSOP	-40 to 85	Q
LP2902	National Semiconductor	LP2902	14	PDIP, SOIC, TSSOP	-40 to 85	S
LP2950-3.0	On Semiconductor	TL750L08	3, 8	SOIC, TO-92	0 to 125	Q
LP2950-5.0	On Semiconductor	TL750L10	3, 8	SOIC, TO-92	0 to 125	Q
LP2950A-5.0	On Semiconductor	TL750L08	3, 8	SOIC, TO-92	0 to 125	Q
LP2951A-3.3	On Semiconductor	TPS71025	8, 20	PDIP, SOIC, TSSOP		Q
LP2951A-3.3	On Semiconductor	TPS7325	8, 20	PDIP, SOIC, TSSOP	-40 to 85	Q
LP2981-2.8	National Semiconductor	LP2981-28	5	SOT-23	-40 to 125	S
LP2981-3.0	National Semiconductor	LP2981-30	5	SOT-23	-40 to 125	S
LP2981-3.3	National Semiconductor	LP2981-33	5	SOT-23	-40 to 125	S
LP2981-5.0	National Semiconductor	LP2981-50	5	Planned	-40 to 125	S
LP2981A-2.8	National Semiconductor	LP2981A-28	5	SOT-23	-40 to 125	S
LP2981A-3.0	National Semiconductor	LP2981A-30	5	SOT-23	-40 to 125	S
LP2981A-3.3	National Semiconductor	LP2981A-33	5	SOT-23	-40 to 125	S
LP2981A-5.0	National Semiconductor	LP2981A-50	5	Planned	-40 to 125	S
LP2985	National Semiconductor	TPS73030	5	DSBGA, SOT-23	-40 to 85	S
LP2985	National Semiconductor	TPS73033	5	SOT-23	-40 to 85	S
LP2985	National Semiconductor	TPS79328	5	DSBGA, SOT-23	-40 to 85	S
LP2985	National Semiconductor	TPS793285	5	DSBGA, SOT-23	-40 to 85	S
LP2985	National Semiconductor	TPS79330	5	DSBGA, SOT-23	-40 to 85	S
LP2985	National Semiconductor	TPS79333	5	SOT-23	-40 to 85	S
LP2985-1.8	National Semiconductor	LP2985-18	5	Planned	-40 to 125	S
LP2985-1.8	National Semiconductor	LP2985-18	5	Planned	-40 to 125	S
LP2985-18	Philips Semiconductor	LP2985-18	5	Planned	-40 to 125	S
LP2985-18	Philips Semiconductor	LP2985-18	5	Planned	-40 to 125	S
LP2985-2.5	National Semiconductor	LP2985-25	5	Planned	-40 to 125	S
LP2985-2.5	National Semiconductor	LP2985-25	5	Planned	-40 to 125	S
LP2985-2.8	National Semiconductor	LP2985-28	5	DSBGA, SOT-23	-40 to 125	S
LP2985-25	Philips Semiconductor	LP2985-25	5	Planned	-40 to 125	S
LP2985-25	Philips Semiconductor	LP2985-25	5	Planned	-40 to 125	S
LP2985-28	Philips Semiconductor	LP2985-28	5	DSBGA, SOT-23	-40 to 125	S
LP2985-3.0	National Semiconductor	LP2985-30	5	Planned	-40 to 125	S
LP2985-3.0	National Semiconductor	LP2985-30	5	Planned	-40 to 125	S
LP2985-3.3	National Semiconductor	LP2985-33	5	DSBGA, SOT-23	-40 to 125	S
LP2985-30	Philips Semiconductor	LP2985-30	5	Planned	-40 to 125	S
LP2985-30	Philips Semiconductor	LP2985-30	5	Planned	-40 to 125	S
LP2985-33	Philips Semiconductor	LP2985-33	5	DSBGA, SOT-23	-40 to 125	S
LP2985-5.0	National Semiconductor	LP2985-50	5	SOT-23	-40 to 125	S
LP2985-50	Philips Semiconductor	LP2985-50	5	SOT-23	-40 to 125	S
LP2985A-1.8	National Semiconductor	LP2985A-18	5	SOT-23	-40 to 125	S
LP2985A-2.5	National Semiconductor	LP2985A-25	5	Planned	-40 to 125	S
LP2985A-2.8	National Semiconductor	LP2985A-28	5	SOT-23	-40 to 125	S
LP2985A-3.0	National Semiconductor	LP2985A-30	5	Planned	-40 to 125	S

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\* **Must-Have product**

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
LP2985A-3.3	National Semiconductor	LP2985A-33	5	SOT-23	-40 to 125	S
LP2985A-5.0	National Semiconductor	LP2985A-50	5	Planned	-40 to 125	S
LP311	National Semiconductor	LP311	8	PDIP, SOIC, SOP	0 to 70	S
LP324	National Semiconductor	LP324	14	PDIP, SOIC, TSSOP	0 to 70	S
LP339	National Semiconductor	LP339	14	PDIP, SOIC	0 to 70	S
LP3985	National Semiconductor	TPS73025	5	DSBGA, SOT-23	-40 to 85	S
LP3985	National Semiconductor	TPS79325	5	DSBGA, SOT-23	-40 to 85	S
LP3985	National Semiconductor	TPS79901	5, 6	DSBGA, SON, TO/SOT	-40 to 85	S
LPV321	National Semiconductor	LPV321*	5	SC70, SOT-23	-40 to 85, -40 to 125	S
LPV324	National Semiconductor	LM324	14	PDIP, SOIC, SOP, TSSOP	0 to 70	Q
LPV324	National Semiconductor	LMV324	14	SOIC, TSSOP	-40 to 85, -40 to 125	S
LPV324	National Semiconductor	LPV324*	14	SOIC, TSSOP	-40 to 85, -40 to 125	S
LPV358	National Semiconductor	LPV358*	8	MSOP, SOIC, VSSOP	-40 to 85, -40 to 125	S
LT1001	Linear Technology Corp	OPA177	8	PDIP, SOIC	-40 to 85	S
LT1001	Linear Technology Corp	OPA277	8	PDIP, SOIC, SON	-40 to 85	S
LT1002	Linear Technology Corp	OPA2277	8	PDIP, SOIC, SON	-40 to 85	S
LT1004-2.5	Linear Technology Corp	LT1004-2.5	3, 8	SOIC, TO-92, TSSOP	0 to 70, -40 to 85	S
LT1007	Linear Technology Corp	OPA227	8	PDIP, SOIC		S
LT1013	Linear Technology Corp	LT1013	8	PDIP, SOIC	0 to 70	S
LT1013	Linear Technology Corp	OPA1013	8	PDIP		S
LT1013D	Linear Technology Corp	LT1013D	8	PDIP, SOIC	0 to 70, -40 to 85, -55 to 125	S
LT1014	Linear Technology Corp	LT1014	14, 20	CDIP, LCCC, PDIP	0 to 70, -55 to 125	S
LT1014	Linear Technology Corp	LT1014D	14, 16	PDIP, SOIC	0 to 70, -40 to 105, -55 to 125	S
LT1014A	Linear Technology Corp	LT1014	14, 20	CDIP, LCCC, PDIP	0 to 70, -55 to 125	Q
LT1014D	Linear Technology Corp	LT1014D	14, 16	PDIP, SOIC	0 to 70, -40 to 105, -55 to 125	S
LT1016	Linear Technology Corp	TL3016	8	SOIC, TSSOP	0 to 70, -40 to 85	S
LT1037	Linear Technology Corp	OPA228	8	PDIP, SOIC		S
LT1037	Linear Technology Corp	OPA37	8	PDIP, SOIC	-40 to 85	S
LT1054	Linear Technology Corp	LT1054	8, 16	PDIP, SOIC	0 to 70, -40 to 85	S
LT1116	Linear Technology Corp	TL3116	8	SOIC, TSSOP		S
LT1117	Linear Technology Corp	TLV1117	2, 3, 4, 8	PFM, SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	S
LT1117-3.3	Linear Technology Corp	TLV1117-33	3, 4, 8	SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	S
LT1117-5	Linear Technology Corp	TLV1117-50	3, 4, 8	SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	S
LT1126	Linear Technology Corp	OPA2228	8	PDIP, SOIC		S
LT1127	Linear Technology Corp	OPA4228	14	PDIP, SOIC		S
LT1246	Linear Technology Corp	UC3842	8, 14	CDIP, PDIP, SOIC	0 to 70	S
LT1376	Linear Technology Corp	TPS54350	16	HTSSOP	-40 to 85	Q
LT1495	Linear Technology Corp	TLV2402	8	MSOP, PDIP, SOIC	0 to 70, -40 to 125	Q
LTC1044	Linear Technology Corp	LT1054	8, 16	PDIP, SOIC	0 to 70, -40 to 85	Q
LTC1046	Linear Technology Corp	LT1054	8, 16	PDIP, SOIC	0 to 70, -40 to 85	Q
LTC1049	Linear Technology Corp	TLC4501	8	SOIC	-40 to 125	Q
LTC1052	Linear Technology Corp	TLC2654	8, 14	PDIP, SOIC	-40 to 125	Q
LTC1286	Linear Technology Corp	ADS1286	8	PDIP, SOIC	-40 to 85	S
LTC1480	Linear Technology Corp	SN65HVD11	8	PDIP, SOIC	-40 to 85, -40 to 125	Q
LTC1483	Linear Technology Corp	SN65HVD3082E	8	MSOP, PDIP, SOIC	-40 to 85	Q
LTC1484	Linear Technology Corp	SN65LBC182	8	PDIP, SOIC	-40 to 85	Q
LTC1485	Linear Technology Corp	SN65LBC176	8	PDIP, SOIC	-40 to 85, -40 to 125	Q
LTC1485	Linear Technology Corp	SN75ALS176	8	PDIP, SOIC	0 to 70	Q
LTC1485	Linear Technology Corp	SN75ALS176A	8	PDIP, SOIC	0 to 70	Q
LTC1485	Linear Technology Corp	SN75ALS176B	8	PDIP, SOIC	0 to 70	Q
LTC1485	Linear Technology Corp	SN75LBC176	8	PDIP, SOIC	0 to 70	Q
LTC1485	Linear Technology Corp	SN75LBC182	8	PDIP, SOIC	0 to 70	Q
LTC1487	Linear Technology Corp	SN75LBC182	8	PDIP, SOIC	0 to 70	Q
LTC1605	Linear Technology Corp	ADS7805	28	PDIP, SOIC	-25 to 85	S
LTC1609	Linear Technology Corp	ADS8509	20, 28	SOIC, SSOP	-40 to 85	S

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## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
LTC1624	Linear Technology Corp	TL5001	8, 20	CDIP, LCCC, PDIP, SOIC, SOP	-25 to 85, -40 to 85, -40 to 125, -55 to 125	Q
LTC1640	Linear Technology Corp	TPS2398	8	MSOP	-40 to 85	Q
LTC1864	Linear Technology Corp	ADS8325	8	MSOP, SON	-40 to 85	Q
LTC2050	Linear Technology Corp	OPA335	5, 8	SOIC, SOT-23	-40 to 125	S
LTC2050	Linear Technology Corp	OPA735	5, 8	SOIC, SOT-23	-40 to 85	S
LTC2050HV	Linear Technology Corp	OPA735	5, 8	SOIC, SOT-23	-40 to 85	S
LTC2051	Linear Technology Corp	OPA2335	8	MSOP, SOIC		S
LTC2051HV	Linear Technology Corp	OPA2735	8	MSOP, SOIC	-40 to 85	S
LTC2054	Linear Technology Corp	OPA335	5, 8	SOIC, SOT-23	-40 to 125	S
LTC2055	Linear Technology Corp	OPA2335	8	MSOP, SOIC		S
LTC4257	Linear Technology Corp	TPS2370	8	SOIC, TSSOP	0 to 70	Q
LTC485	Linear Technology Corp	SN65ALS1176	8	PDIP, SOIC	-25 to 85	Q
LTC485	Linear Technology Corp	SN65HVD3082E	8	MSOP, PDIP, SOIC	-40 to 85	Q
LTC485	Linear Technology Corp	SN65HVD485E	8	MSOP, PDIP, SOIC	-40 to 85	S
LTC485	Linear Technology Corp	SN65LBC176	8	PDIP, SOIC	-40 to 85, -40 to 125	Q
LTC485	Linear Technology Corp	SN75176B	8	PDIP, SOIC, SOP	0 to 70	Q
LTC485	Linear Technology Corp	SN75LBC176	8	PDIP, SOIC	0 to 70	Q
LTC486	Linear Technology Corp	SN65LBC172	16, 20	PDIP, SOIC	-40 to 85	Q
LTC487	Linear Technology Corp	SN65LBC174	16, 20	PDIP, SOIC	-40 to 85	Q
LTC487	Linear Technology Corp	SN75ALS174A	16, 20	PDIP, SOIC	0 to 70	Q
LTC487	Linear Technology Corp	SN75LBC174	16, 20	PDIP, SOIC	0 to 70	Q
LTC488	Linear Technology Corp	SN65LBC173	16	PDIP, SOIC	-40 to 85	Q
LTC488	Linear Technology Corp	SN75173	16	PDIP, SOIC, SOP	0 to 70	Q
LTC488	Linear Technology Corp	SN75LBC173	16	PDIP, SOIC	0 to 70	Q
LTC489	Linear Technology Corp	SN65LBC175	16	PDIP, SOIC	-40 to 85	Q
LTC489	Linear Technology Corp	SN75175	16	PDIP, SOIC, SOP	0 to 70	Q
LTC489	Linear Technology Corp	SN75LBC175	16	PDIP, SOIC	0 to 70	Q
LTC490	Linear Technology Corp	SN75LBC179	8	PDIP, SOIC	0 to 70	Q
LTC491	Linear Technology Corp	SN65LBC180	14, 16	PDIP, QFN, SOIC	-40 to 85	Q
LTC491	Linear Technology Corp	SN75LBC180	14, 16	PDIP, QFN, SOIC	0 to 70	Q
LX5111	Microsemi Corporation (Linfinitiy)	UCC5606	16, 24	PDIP, SOIC, TSSOP	0 to 70	S
LX5245	Microsemi Corporation (Linfinitiy)	UCC5640	24, 28	TSSOP	0 to 70	S
LX5248	Microsemi Corporation (Linfinitiy)	UCC5640	24, 28	TSSOP	0 to 70	S
LX5250	Microsemi Corporation (Linfinitiy)	UCC5630A	36, 48	LQFP, SSOP	0 to 70	S
LX5250	Microsemi Corporation (Linfinitiy)	UCC5672	28, 36	SSOP, TSSOP	0 to 70	S
LX5261	Microsemi Corporation (Linfinitiy)	UCC561	16	SOIC		S
M48T86	ST Microelectronics	BQ3287	24	DIP Module	0 to 70, -20 to 70	S
M48Z08	ST Microelectronics	BQ4010	28	DIP Module	0 to 70	S
M48Z128Y	ST Microelectronics	BQ4013Y	32	DIP Module	0 to 70, -40 to 85	S
M48Z18	ST Microelectronics	BQ4010Y	28	DIP Module	0 to 70, -40 to 85	S
M48Z2M1Y	ST Microelectronics	BQ4017Y	36	DIP Module		S
M48Z35Y	ST Microelectronics	BQ4011Y	28	DIP Module	0 to 70, -40 to 85	S
M48Z512A	ST Microelectronics	BQ4015	32	DIP Module	0 to 70	S
M48Z512AY	ST Microelectronics	BQ4015Y	32	DIP Module	0 to 70	S
M48Z58	ST Microelectronics	BQ4010	28	DIP Module	0 to 70	S
M48Z58Y	ST Microelectronics	BQ4010Y	28	DIP Module	0 to 70, -40 to 85	S
MAX1044	Maxim	LT1054	8, 16	PDIP, SOIC	0 to 70, -40 to 85	Q
MAX1116	Maxim	TL3116	8	SOIC, TSSOP		S
MAX1247	Maxim	ADS7841	16	PDIP, QSOP	-40 to 85	S
MAX147	Maxim	ADS7844	20	QSOP, SSOP	-40 to 85	S
MAX1483	Maxim	SN65HVD3082E	8	MSOP, PDIP, SOIC	-40 to 85	Q
MAX1483	Maxim	SN75HVD3082E	8	MSOP, PDIP, SOIC	0 to 70	Q
MAX1487	Maxim	SN75HVD3082E	8	MSOP, PDIP, SOIC	0 to 70	Q
MAX1487E	Maxim	SN65HVD3082E	8	MSOP, PDIP, SOIC	-40 to 85	Q
MAX1488E	Maxim	SN75C188	14	PDIP, SOIC, SOP, SSOP	0 to 70	Q

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
MAX1607	Maxim	TPS2020	8	PDIP, SOIC		S
MAX1607	Maxim	TPS2041A	8	SOIC	0 to 85	S
MAX1607	Maxim	TPS2041B	8	MSOP, SOIC	-40 to 85	S
MAX1607	Maxim	TPS2045	8	PDIP, SOIC	-40 to 85	S
MAX1922	Maxim	TPS2022	8	PDIP, SOIC		S
MAX1922	Maxim	TPS2061	8	MSOP, SOIC	-40 to 85	S
MAX1930	Maxim	TPS2010	8, 14	SOIC, TSSOP	-40 to 85	S
MAX1930	Maxim	TPS2011	8, 14	SOIC, TSSOP		S
MAX1930	Maxim	TPS2012	8, 14	SOIC, TSSOP		S
MAX1930	Maxim	TPS2013	8, 14	SOIC, TSSOP		S
MAX202	Maxim	MAX202	16	SOIC, TSSOP	0 to 70, -40 to 85	S
MAX202E	Maxim	MAX202	16	SOIC, TSSOP	0 to 70, -40 to 85	S
MAX207	Maxim	MAX207	24	SOIC, SSOP	0 to 70, -40 to 85	S
MAX207E	Maxim	MAX207	24	SOIC, SSOP	0 to 70, -40 to 85	S
MAX208	Maxim	MAX208	24	PDIP, SOIC, SSOP	0 to 70, -40 to 85	S
MAX208E	Maxim	MAX208	24	PDIP, SOIC, SSOP	0 to 70, -40 to 85	S
MAX211	Maxim	MAX211	28	SOIC, SSOP	0 to 70, -40 to 85	S
MAX211	Maxim	MAX211E	20, 28	Planned	0 to 70, -40 to 85	S
MAX211E	Maxim	MAX211	28	SOIC, SSOP	0 to 70, -40 to 85	S
MAX211E	Maxim	MAX211E	20, 28	Planned	0 to 70, -40 to 85	S
MAX220	Maxim	MAX202	16	SOIC, TSSOP	0 to 70, -40 to 85	Q
MAX222	Maxim	MAX222	18	PDIP, SOIC	0 to 70, -40 to 85	S
MAX232	Maxim	MAX232	16	PDIP, SOIC, SOP	0 to 70, -40 to 85	Q
MAX232E	Maxim	MAX232	16	PDIP, SOIC, SOP	0 to 70, -40 to 85	Q
MAX241	Maxim	SN75LBC241	28	SOIC	0 to 70	Q
MAX241E	Maxim	SN75LBC241	28	SOIC	0 to 70	S
MAX243	Maxim	MAX202	16	SOIC, TSSOP	0 to 70, -40 to 85	Q
MAX3041	Maxim	AM26LS31	16	PDIP, SOIC, SOP, SSOP	0 to 70	Q
MAX306	Maxim	MPC506	28	PDIP, SOIC	-40 to 85	Q
MAX3082E	Maxim	SN65HVD3082E	8	MSOP, PDIP, SOIC	-40 to 85	S
MAX3082E	Maxim	SN75HVD3082E	8	MSOP, PDIP, SOIC	0 to 70	S
MAX3085E	Maxim	SN65HVD3082E	8	MSOP, PDIP, SOIC	-40 to 85	Q
MAX3085E	Maxim	SN65HVD3085E	8	MSOP, SOIC	-40 to 85	S
MAX3085E	Maxim	SN75HVD3082E	8	MSOP, PDIP, SOIC	0 to 70	Q
MAX3088E	Maxim	SN65HVD3082E	8	MSOP, PDIP, SOIC	-40 to 85	Q
MAX3088E	Maxim	SN65HVD3088E	8	MSOP, SOIC	-40 to 85	S
MAX3088E	Maxim	SN75HVD3082E	8	MSOP, PDIP, SOIC	0 to 70	Q
MAX3093E	Maxim	SN65LBC175A	16	PDIP, SOIC	-40 to 85	Q
MAX3093E	Maxim	SN75LBC175A	16	PDIP, SOIC	0 to 70	Q
MAX3095	Maxim	SN65LBC173A	16	PDIP, SOIC	-40 to 85	Q
MAX3095	Maxim	SN75LBC173A	16	PDIP, SOIC	0 to 70	Q
MAX3185	Maxim	SN75LP1185	20	PDIP, SOIC, SSOP	0 to 70	Q
MAX3221	Maxim	MAX3221E*	16	SSOP, TSSOP	0 to 70, -40 to 85	S
MAX3221E	Maxim	MAX3221E*	16	SSOP, TSSOP	0 to 70, -40 to 85	S
MAX3222	Maxim	MAX3222E	20, 24	QFN, SOIC, SSOP, TSSOP	0 to 70, -40 to 85	S
MAX3222E	Maxim	MAX3222E	20, 24	QFN, SOIC, SSOP, TSSOP	0 to 70, -40 to 85	S
MAX3223	Maxim	MAX3223E	20, 24	QFN, SOIC, SSOP, TSSOP	0 to 70, -40 to 85	S
MAX3223E	Maxim	MAX3223E	20, 24	QFN, SOIC, SSOP, TSSOP	0 to 70, -40 to 85	S
MAX3225	Maxim	SN75C3223	20	SOIC, SSOP, TSSOP	0 to 70	Q
MAX3225E	Maxim	SN65C3223	20	SOIC, SSOP, TSSOP	-40 to 85	Q
MAX3225E	Maxim	SN75C3223	20	SOIC, SSOP, TSSOP	0 to 70	Q
MAX3227	Maxim	MAX3227E	16	SSOP	0 to 70, -40 to 85	S
MAX3227E	Maxim	MAX3227E	16	SSOP	0 to 70, -40 to 85	S
MAX3232	Maxim	MAX3232E	16	SOIC, SSOP, TSSOP	0 to 70, -40 to 85	S
MAX3232E	Maxim	MAX3232E	16	SOIC, SSOP, TSSOP	0 to 70, -40 to 85	S
MAX3238	Maxim	MAX3238E	28	SOIC, SSOP	0 to 70, -40 to 85	S
MAX3238E	Maxim	MAX3238E	28	SOIC, SSOP	0 to 70, -40 to 85	S
MAX3243	Maxim	MAX3243E*	28, 32	QFN, SOIC, SSOP, TSSOP	0 to 70, -40 to 85	S
MAX3243E	Maxim	MAX3243E*	28, 32	QFN, SOIC, SSOP, TSSOP	0 to 70, -40 to 85	S
MAX3318	Maxim	MAX3318*	20	SSOP, TSSOP	0 to 70, -40 to 85	S
MAX3318E	Maxim	MAX3318*	20	SSOP, TSSOP	0 to 70, -40 to 85	S
MAX3483	Maxim	SN65HVD12	8	PDIP, SOIC	-40 to 85	Q

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## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
MAX3483	Maxim	SN75HVD12	8	PDIP, SOIC	0 to 70	Q
MAX3483E	Maxim	SN65HVD12	8	PDIP, SOIC	-40 to 85	Q
MAX3483E	Maxim	SN75HVD12	8	PDIP, SOIC	0 to 70	Q
MAX3485	Maxim	SN65HVD11	8	PDIP, SOIC	-40 to 85, -40 to 125	S
MAX3485	Maxim	SN75HVD11	8	PDIP, SOIC	0 to 70	Q
MAX3485E	Maxim	SN65HVD11	8	PDIP, SOIC	-40 to 85, -40 to 125	S
MAX3485E	Maxim	SN75HVD11	8	PDIP, SOIC	0 to 70	Q
MAX3486	Maxim	SN75HVD11	8	PDIP, SOIC	0 to 70	Q
MAX3486E	Maxim	SN65HVD11	8	PDIP, SOIC	-40 to 85, -40 to 125	Q
MAX3486E	Maxim	SN75HVD11	8	PDIP, SOIC	0 to 70	Q
MAX3487	Maxim	SN65HVD11	8	PDIP, SOIC	-40 to 85, -40 to 125	Q
MAX358	Maxim	MPC508	16	PDIP, SOIC	-40 to 85	S
MAX358CPE	Maxim	MPC508	16	PDIP, SOIC	-40 to 85	S
MAX358CWE	Maxim	MPC508	16	PDIP, SOIC	-40 to 85	S
MAX359	Maxim	MPC509	16	PDIP, SOIC	-40 to 85	S
MAX359CPE	Maxim	MPC509	16	PDIP, SOIC	-40 to 85	S
MAX359CWE	Maxim	MPC509	16	PDIP, SOIC	-40 to 85	S
MAX400	Maxim	OPA277	8	PDIP, SOIC, SON	-40 to 85	S
MAX4012	Maxim	THS4221	5, 8	MSOP, SOIC, SOT-23	-40 to 85	Q
MAX4014	Maxim	THS4221	5, 8	MSOP, SOIC, SOT-23	-40 to 85	Q
MAX4016	Maxim	THS4211	8	MSOP, SOIC, SON	-40 to 85	Q
MAX408A	Maxim	THS4225	8	MSOP, SOIC	-40 to 85	Q
MAX4100	Maxim	THS4221	5, 8	MSOP, SOIC, SOT-23	-40 to 85	Q
MAX4104	Maxim	THS4221	5, 8	MSOP, SOIC, SOT-23	-40 to 85	Q
MAX4105	Maxim	THS4221	5, 8	MSOP, SOIC, SOT-23	-40 to 85	Q
MAX4165	Maxim	OPA340	5, 8	PDIP, SOIC, SOT-23		S
MAX4182	Maxim	THS3202	8	MSOP, SOIC	-40 to 85	Q
MAX4184	Maxim	THS3202	8	MSOP, SOIC	-40 to 85	Q
MAX4216	Maxim	THS4222	8	MSOP, SOIC	-40 to 85	Q
MAX4216	Maxim	THS4226	10	HTSSOP	-40 to 85	Q
MAX4238	Maxim	OPA335	5, 8	SOIC, SOT-23	-40 to 125	S
MAX4250	Maxim	OPA340	5, 8	PDIP, SOIC, SOT-23		S
MAX4252	Maxim	OPA2340	8	MSOP, PDIP, SOIC	-40 to 85	S
MAX4254	Maxim	OPA4340	14, 16	QSOP, SOIC	-40 to 85	S
MAX4257	Maxim	OPA2350	8	MSOP, PDIP, SOIC	-40 to 85	S
MAX427	Maxim	OP27	8, 20	CDIP, LCCC	-55 to 125	S
MAX428A	Maxim	THS4222	8	MSOP, SOIC	-40 to 85	Q
MAX4295	Maxim	TPA2010D1	9	DSBGA, XCEPT	-40 to 85	S
MAX4304	Maxim	THS4221	5, 8	MSOP, SOIC, SOT-23	-40 to 85	Q
MAX4305	Maxim	THS4221	5, 8	MSOP, SOIC, SOT-23	-40 to 85	Q
MAX4322	Maxim	OPA343	5, 8	SOIC, SOT-23		S
MAX4326	Maxim	OPA2343	8	MSOP, SOIC		S
MAX4329	Maxim	OPA4343	14, 16	QSOP, SOIC, TSSOP		S
MAX4351	Maxim	THS4222	8	MSOP, SOIC	-40 to 85	Q
MAX4364	Maxim	TPA6204A1	8	SON	-40 to 85	S
MAX4365	Maxim	TPA6204A1	8	SON	-40 to 85	S
MAX437	Maxim	OPA228	8	PDIP, SOIC		S
MAX4381	Maxim	THS4225	8	MSOP, SOIC	-40 to 85	Q
MAX4390	Maxim	THS4221	5, 8	MSOP, SOIC, SOT-23	-40 to 85	Q
MAX4411	Maxim	TPA4411	16, 20	DSBGA, QFN	-40 to 85	S
MAX4412	Maxim	THS4221	5, 8	MSOP, SOIC, SOT-23	-40 to 85	Q
MAX4414	Maxim	THS4221	5, 8	MSOP, SOIC, SOT-23	-40 to 85	Q
MAX4416	Maxim	THS4222	8	MSOP, SOIC	-40 to 85	Q
MAX4426	Maxim	UCC37323	8	MSOP, PDIP, SOIC	0 to 70	S
MAX4427	Maxim	UCC27424	8	MSOP, PDIP, SOIC	-40 to 105	S
MAX4427	Maxim	UCC37324	8	MSOP, PDIP, SOIC	0 to 70	S
MAX4428	Maxim	UCC27325	8	MSOP, PDIP, SOIC	-40 to 85	S
MAX4428	Maxim	UCC27425	8	MSOP, PDIP, SOIC	-40 to 105	S
MAX4428	Maxim	UCC37325	8	MSOP, PDIP, SOIC	0 to 70	S
MAX4431	Maxim	THS4221	5, 8	MSOP, SOIC, SOT-23	-40 to 85	Q
MAX4594	Maxim	MAX4594	5	SC70, SOT-23	-40 to 85	S
MAX4594	Maxim	TS5A4594	5	SC70, SOT-23	-40 to 85	S

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Usage Code: **S**=Equivalent, **Q**=Same functionality and pinout but not exact equivalent

\* **Must-Have product**

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
MAX4595	Maxim	MAX4595	5	SC70, SOT-23	-40 to 85	S
MAX4595	Maxim	TS5A4595	5	SC70, SOT-23	-40 to 85	S
MAX4596	Maxim	MAX4596	5	SC70, SOT-23	-40 to 85	S
MAX4596	Maxim	TS5A4596	5	SC70, SOT-23	-40 to 85	S
MAX4597	Maxim	MAX4597	5	SC70, SOT-23	-40 to 85	S
MAX4597	Maxim	TS5A4597	5	SC70, SOT-23	-40 to 85	S
MAX4641	Maxim	TS5A23166*	8	DSBGA, US8	-40 to 85	Q
MAX4642	Maxim	TS5A23167	8	DSBGA, US8	-40 to 85	Q
MAX480	Maxim	OPA241	8	PDIP, SOIC	-40 to 85	S
MAX480	Maxim	OPA251	8	PDIP, SOIC		S
MAX481	Maxim	SN75LBC176A	8	PDIP, SOIC	0 to 70	Q
MAX481E	Maxim	SN75LBC176A	8	PDIP, SOIC	0 to 70	Q
MAX483	Maxim	SN65HVD3082E	8	MSOP, PDIP, SOIC	-40 to 85	Q
MAX483	Maxim	SN75HVD3082E	8	MSOP, PDIP, SOIC	0 to 70	Q
MAX483E	Maxim	SN65HVD3082E	8	MSOP, PDIP, SOIC	-40 to 85	Q
MAX483E	Maxim	SN75HVD3082E	8	MSOP, PDIP, SOIC	0 to 70	Q
MAX485	Maxim	SN75LBC176A	8	PDIP, SOIC	0 to 70	Q
MAX485E	Maxim	SN65HVD485E	8	MSOP, PDIP, SOIC	-40 to 85	S
MAX485E	Maxim	SN75LBC176A	8	PDIP, SOIC	0 to 70	Q
MAX487	Maxim	SN65HVD3082E	8	MSOP, PDIP, SOIC	-40 to 85	Q
MAX487	Maxim	SN75HVD3082E	8	MSOP, PDIP, SOIC	0 to 70	Q
MAX487E	Maxim	SN65HVD3082E	8	MSOP, PDIP, SOIC	-40 to 85	Q
MAX487E	Maxim	SN75HVD3082E	8	MSOP, PDIP, SOIC	0 to 70	Q
MAX488	Maxim	SN65LBC179	8	PDIP, SOIC	-40 to 85, -40 to 125	Q
MAX488	Maxim	SN75LBC179	8	PDIP, SOIC	0 to 70	Q
MAX488E	Maxim	SN75LBC179A	8	PDIP, SOIC	0 to 70	Q
MAX489	Maxim	SN65LBC180	14, 16	PDIP, QFN, SOIC	-40 to 85	Q
MAX489	Maxim	SN75LBC180	14, 16	PDIP, QFN, SOIC	0 to 70	Q
MAX489E	Maxim	SN75LBC180A	14	PDIP, SOIC	0 to 70	Q
MAX490	Maxim	SN65LBC179	8	PDIP, SOIC	-40 to 85, -40 to 125	Q
MAX490	Maxim	SN75LBC179	8	PDIP, SOIC	0 to 70	Q
MAX490E	Maxim	SN75LBC179A	8	PDIP, SOIC	0 to 70	Q
MAX491	Maxim	SN65LBC180	14, 16	PDIP, QFN, SOIC	-40 to 85	Q
MAX491	Maxim	SN75LBC180	14, 16	PDIP, QFN, SOIC	0 to 70	Q
MAX491E	Maxim	SN75LBC180A	14	PDIP, SOIC	0 to 70	Q
MAX492	Maxim	OPA2344	8	MSOP, PDIP, SOIC		S
MAX494	Maxim	OPA4344	14	PDIP, SOIC, TSSOP		S
MAX541	Maxim	DAC8830	8	SOIC	-40 to 85	Q
MAX542	Maxim	DAC8831	14	SOIC	-40 to 85	Q
MAX6101	Maxim	REF3012	3	SOT-23	-40 to 125	S
MAX626	Maxim	UCC27423	8	MSOP, PDIP, SOIC	-40 to 105	S
MAX627	Maxim	UCC27424	8	MSOP, PDIP, SOIC	-40 to 105	S
MAX628	Maxim	UCC27425	8	MSOP, PDIP, SOIC	-40 to 105	S
MAX6316	Maxim	TPS3823-30	5	SOT-23	-40 to 85	S
MAX6316	Maxim	TPS3823-33	5	SOT-23	-40 to 85	S
MAX6316	Maxim	TPS3823-50	5	SOT-23	-40 to 85	S
MAX6316-26	Maxim	TPS3823-30	5	SOT-23	-40 to 85	S
MAX6316-29	Maxim	TPS3823-33	5	SOT-23	-40 to 85	S
MAX6316-45	Maxim	TPS3823-50	5	SOT-23	-40 to 85	S
MAX6318	Maxim	TPS3824-30	5	SOT-23	-40 to 85	S
MAX6318	Maxim	TPS3824-33	5	SOT-23	-40 to 85	S
MAX6318	Maxim	TPS3824-50	5	SOT-23	-40 to 85	S
MAX6319	Maxim	TPS3125L30	5	SOT-23	-40 to 85	S
MAX6319	Maxim	TPS3825-33	5	SOT-23	-40 to 85	S
MAX6319	Maxim	TPS3825-50	5	SOT-23	-40 to 85	S
MAX6326	Maxim	TPS3809I50	3	SOT-23	-40 to 85	S
MAX6326	Maxim	TPS3809J25	3	SOT-23	-40 to 85	S
MAX6326	Maxim	TPS3809K33	3	SOT-23	-40 to 85	S
MAX6326	Maxim	TPS3809L30	3	SOT-23	-40 to 85	S
MAX6346	Maxim	TPS3809I50	3	SOT-23	-40 to 85	S
MAX6346	Maxim	TPS3809J25	3	SOT-23	-40 to 85	S
MAX6346	Maxim	TPS3809K33	3	SOT-23	-40 to 85	S

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## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
MAX6346	Maxim	TPS3809L30	3	SOT-23	-40 to 85	S
MAX6629	Maxim	TMP121	6	SOT-23	-40 to 125	S
MAX6630	Maxim	TMP123	6	SOT-23	-55 to 125	S
MAX6631	Maxim	TMP121	6	SOT-23	-40 to 125	S
MAX6632	Maxim	TMP123	6	SOT-23	-55 to 125	S
MAX705	Maxim	TPS3705-50	8	MSOP, SOIC	-40 to 85	Q
MAX706	Maxim	TPS3705-50	8	MSOP, SOIC	-40 to 85	Q
MAX706R	Maxim	TPS3705-30	8	MSOP, SOIC	-40 to 85	S
MAX706S	Maxim	TPS3705-33	8	MSOP, SOIC	-40 to 85	S
MAX706T	Maxim	TPS3705-33	8	MSOP, SOIC	-40 to 85	Q
MAX707	Maxim	TPS3707-50	8	MSOP, SOIC	-40 to 85	S
MAX708	Maxim	TPS3707-30	8	MSOP, SOIC	-40 to 85	S
MAX708	Maxim	TPS3707-33	8	MSOP, SOIC	-40 to 85	S
MAX708	Maxim	TPS3707-50	8	MSOP, SOIC	-40 to 85	Q
MAX708	Maxim	TPS3809J25	3	SOT-23	-40 to 85	S
MAX708	Maxim	TPS3809J25	3	SOT-23	-40 to 85	S
MAX708R	Maxim	TPS3707-30	8	MSOP, SOIC	-40 to 85	S
MAX708R	Philips Semiconductor	TPS3707-30	8	MSOP, SOIC	-40 to 85	S
MAX708S	Maxim	TPS3707-33	8	MSOP, SOIC	-40 to 85	S
MAX708S	Philips Semiconductor	TPS3707-33	8	MSOP, SOIC	-40 to 85	S
MAX708T	Maxim	TPS3707-33	8	MSOP, SOIC	-40 to 85	Q
MAX708T	Philips Semiconductor	TPS3707-33	8	MSOP, SOIC	-40 to 85	S
MAX7310	Maxim	PCA9557	16	QFN, SOIC, SSOP, TSSOP, TVSOP	-40 to 85	S
MAX7311	Maxim	PCA9555*	24	QFN, QSOP, SOIC, SSOP, TSSOP, TVSOP	-40 to 85	S
MAX7312	Maxim	PCA9535*	24	QFN, QSOP, SOIC, SSOP, TSSOP, TVSOP	-40 to 85	S
MAX7312	Maxim	PCA9536	8	MSOP	-40 to 85	S
MAX7312	Maxim	PCA9537	10	Planned	-40 to 85	S
MAX7312	Maxim	PCA9538	16	Planned	-40 to 85	S
MAX734	Maxim	TPS6734	8	PDIP, SOIC	-40 to 85	S
MAX735	Maxim	TPS6735	8	PDIP, SOIC	-40 to 85	S
MAX809	On Semiconductor	TPS3809L30	3	SOT-23	-40 to 85	S
MAX809	Maxim	TPS3809L30	3	SOT-23	-40 to 85	S
MAX809	On Semiconductor	TPS3809L30	3	SOT-23	-40 to 85	S
MAX809L	Maxim	TPS3809I50	3	SOT-23	-40 to 85	Q
MAX809L	Philips Semiconductor	TPS3809I50	3	SOT-23	-40 to 85	Q
MAX809M	Maxim	TPS3809I50	3	SOT-23	-40 to 85	Q
MAX809M	Philips Semiconductor	TPS3809I50	3	SOT-23	-40 to 85	Q
MAX809R	Maxim	TPS3809L30	3	SOT-23	-40 to 85	Q
MAX809R	Philips Semiconductor	TPS3809L30	3	SOT-23	-40 to 85	S
MAX809S	Maxim	TPS3809K33	3	SOT-23	-40 to 85	Q
MAX809T	Maxim	TPS3809K33	3	SOT-23	-40 to 85	Q
MAX817L	Maxim	TPS3617-50	8	MSOP	-40 to 85	Q
MAX817M	Maxim	TPS3617-50	8	MSOP	-40 to 85	Q
MAX819	Maxim	TPS3619-33	8	MSOP	-40 to 85	S
MAX819L	Maxim	TPS3619-50	8	MSOP	-40 to 85	Q
MAX819M	Maxim	TPS3619-50	8	MSOP	-40 to 85	Q
MAX823L	Maxim	TPS3823-50	5	SOT-23	-40 to 85	Q
MAX823M	Maxim	TPS3823-50	5	SOT-23	-40 to 85	Q
MAX823R	Maxim	TPS3823-30	5	SOT-23	-40 to 85	S
MAX823S	Maxim	TPS3823-33	5	SOT-23	-40 to 85	S
MAX823T	Maxim	TPS3823-33	5	SOT-23	-40 to 85	Q
MAX824	Maxim	TPS3824-30	5	SOT-23	-40 to 85	S
MAX824L	Maxim	TPS3824-50	5	SOT-23	-40 to 85	Q
MAX824M	Maxim	TPS3824-50	5	SOT-23	-40 to 85	Q
MAX824R	Maxim	TPS3824-30	5	SOT-23	-40 to 85	S
MAX824R	Maxim	TPS3824-30	5	SOT-23	-40 to 85	S
MAX824S	Maxim	TPS3824-33	5	SOT-23	-40 to 85	S
MAX824T	Maxim	TPS3824-33	5	SOT-23	-40 to 85	Q
MAX825L	Maxim	TPS3825-50	5	SOT-23	-40 to 85	Q

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
MAX825M	Maxim	TPS3825-50	5	SOT-23	-40 to 85	Q
MAX825R	Maxim	TPS3825-33	5	SOT-23	-40 to 85	Q
MAX825S	Maxim	TPS3825-33	5	SOT-23	-40 to 85	S
MAX825T	Maxim	TPS3825-33	5	SOT-23	-40 to 85	Q
MAX9121	Maxim	SN65LVDS048A	16	SOIC, TSSOP	-40 to 85	Q
MAX9123	Maxim	SN65LVDS047	16	SOIC, TSSOP	-40 to 85	Q
MAX9124	Maxim	SN65LVDS32	16	SOIC, SOP, TSSOP	-40 to 85	Q
MAX9125	Maxim	SN65LVDS32	16	SOIC, SOP, TSSOP	-40 to 85	Q
MAX9126	Maxim	SN65LVDT32B	16	SOIC	-40 to 85	Q
MAX9711	Maxim	TPA6204A1	8	SON	-40 to 85	S
MAX9712	Maxim	TPA2010D1	9	DSBGA, XCEPT	-40 to 85	S
MAX9717A	Maxim	TPA711	8	MSOP, SOIC	-40 to 85	S
MB40576	Fujitsu	TL5001	8, 20	CDIP, LCCC, PDIP, SOIC, SOP	-25 to 85, -40 to 85, -40 to 125, -55 to 125	S
MB40778	Fujitsu	TLC5602	20	SOIC		S
MC1436	Motorola (MOT)	OPA445	8	PDIP, SOIC, TO-99		S
MC145040	Motorola (MOT)	TLC540	20	PDIP, PLCC, SOIC		S
MC145041	Motorola (MOT)	TLC542	20	PDIP, PLCC, SOIC		S
MC1458	SGS-Thomson (SGS)	MC1458	8	PDIP, SOIC, SOP	0 to 70	S
MC1458	ST Microelectronics	MC1458	8	PDIP, SOIC, SOP	0 to 70	S
MC1558	ST Microelectronics	MC1558	8, 20	CDIP, LCCC	-55 to 125	S
MC3302	Philips Semiconductor	LM3302	14	PDIP, SOIC	-40 to 85	S
MC33023	On Semiconductor	UC28023	16	PDIP, SOIC	-40 to 105	S
MC3303	Fairchild Semiconductor	MC3303	14	PDIP, SOIC, TSSOP	-40 to 85	S
MC33063A	Fairchild Semiconductor	MC33063A*	8	PDIP, SOIC	-40 to 85	S
MC33063A	On Semiconductor	MC33063A*	8	PDIP, SOIC	-40 to 85	S
MC33074	On Semiconductor	TL3474	14	PDIP, SOIC, TSSOP	0 to 70, -40 to 105	Q
MC33074A	On Semiconductor	TL3474A	14	PDIP, SOIC, TSSOP	0 to 70, -40 to 105	Q
MC33078	On Semiconductor	MC33078	8	MSOP, PDIP, SOIC	-40 to 85	S
MC33078	ST Microelectronics	MC33078	8	MSOP, PDIP, SOIC	-40 to 85	S
MC33151	On Semiconductor	UCC27423	8	MSOP, PDIP, SOIC	-40 to 105	S
MC33152	On Semiconductor	UCC27424	8	MSOP, PDIP, SOIC	-40 to 105	S
MC33153	On Semiconductor	UCC27425	8	MSOP, PDIP, SOIC	-40 to 105	S
MC33260	On Semiconductor	UCC38050	8	PDIP, SOIC	0 to 70	S
MC33262	On Semiconductor	UCC38051	8	PDIP, SOIC	0 to 70	S
MC33269	On Semiconductor	REG1117	4	SOT-223		S
MC33761-25	On Semiconductor	REG102-3	5, 6, 8	SOIC, SOT-223, SOT-23	-40 to 85	Q
MC33761-28	On Semiconductor	REG102-3	5, 6, 8	SOIC, SOT-223, SOT-23	-40 to 85	Q
MC33761-29	On Semiconductor	REG102-3	5, 6, 8	SOIC, SOT-223, SOT-23	-40 to 85	Q
MC3403	Fairchild Semiconductor	MC3403	14	PDIP, SOIC, SOP, TSSOP	0 to 70	S
MC34063A	Fairchild Semiconductor	MC34063A*	8	PDIP, SOIC	0 to 70	S
MC34063A	On Semiconductor	MC34063A*	8	PDIP, SOIC	0 to 70	S
MC34063AB	ST Microelectronics	MC33063A*	8	PDIP, SOIC	-40 to 85	S
MC34063AC	ST Microelectronics	MC34063A*	8	PDIP, SOIC	0 to 70	S
MC34063B	On Semiconductor	MC34063A*	8	PDIP, SOIC	0 to 70	S
MC34063EB	ST Microelectronics	MC33063A*	8	PDIP, SOIC	-40 to 85	S
MC34063EC	ST Microelectronics	MC34063A*	8	PDIP, SOIC	0 to 70	S
MC34072	On Semiconductor	TL3472	8	PDIP, SOIC	0 to 70, -40 to 105	Q
MC34074	On Semiconductor	TL3474	14	PDIP, SOIC, TSSOP	0 to 70, -40 to 105	Q
MC34074A	On Semiconductor	TL3474A	14	PDIP, SOIC, TSSOP	0 to 70, -40 to 105	Q
MC34080	Motorola (MOT)	OPA604	8	PDIP, SOIC		S
MC34081	Motorola (MOT)	OPA132	8	SOIC	-40 to 125	S
MC34082	Motorola (MOT)	OPA2132	8	PDIP, SOIC	-40 to 125	S
MC34083	Motorola (MOT)	OPA2604	8	PDIP, SOIC	-40 to 85	S
MC34084	Motorola (MOT)	OPA4132	14	SOIC	-40 to 85	S
MC34151	On Semiconductor	UCC27423	8	MSOP, PDIP, SOIC	-40 to 105	S
MC34152	On Semiconductor	UCC27424	8	MSOP, PDIP, SOIC	-40 to 105	S
MC34153	On Semiconductor	UCC27425	8	MSOP, PDIP, SOIC	-40 to 105	S
MC4558	ST Microelectronics	RC4558	8	MSOP, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85	S
MC7805	Fairchild Semiconductor	UA7805	3	PFM, TO-220, TO-263	0 to 125	S
MC7805	On Semiconductor	UA7805	3	PFM, TO-220, TO-263	0 to 125	S

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
MC7805A	Fairchild Semiconductor	UA7805	3	PFM, TO-220, TO-263	0 to 125	S
MC7805AE	Fairchild Semiconductor	UA7805	3	PFM, TO-220, TO-263	0 to 125	S
MC7805E	Fairchild Semiconductor	UA7805	3	PFM, TO-220, TO-263	0 to 125	S
MC7808	Fairchild Semiconductor	UA7808	3	PFM, TO-220, TO-263	0 to 125	S
MC7808	On Semiconductor	UA7808	3	PFM, TO-220, TO-263	0 to 125	S
MC7808A	Fairchild Semiconductor	UA7808	3	PFM, TO-220, TO-263	0 to 125	S
MC7808AE	Fairchild Semiconductor	UA7808	3	PFM, TO-220, TO-263	0 to 125	S
MC7808E	Fairchild Semiconductor	UA7808	3	PFM, TO-220, TO-263	0 to 125	S
MC7810	Fairchild Semiconductor	UA7810	3	PFM, TO-220, TO-263	0 to 125	S
MC7810A	Fairchild Semiconductor	UA7810	3	PFM, TO-220, TO-263	0 to 125	S
MC7810AE	Fairchild Semiconductor	UA7810	3	PFM, TO-220, TO-263	0 to 125	S
MC7810E	Fairchild Semiconductor	UA7810	3	PFM, TO-220, TO-263	0 to 125	S
MC7812	Fairchild Semiconductor	UA7812	3	PFM, TO-220, TO-263	0 to 125	S
MC7812	On Semiconductor	UA7812	3	PFM, TO-220, TO-263	0 to 125	S
MC7812A	Fairchild Semiconductor	UA7812	3	PFM, TO-220, TO-263	0 to 125	S
MC7812AE	Fairchild Semiconductor	UA7812	3	PFM, TO-220, TO-263	0 to 125	S
MC7812E	Fairchild Semiconductor	UA7812	3	PFM, TO-220, TO-263	0 to 125	S
MC7815	Fairchild Semiconductor	TL780-15	3	TO-220	0 to 125	S
MC7815	Fairchild Semiconductor	UA7812	3	PFM, TO-220, TO-263	0 to 125	S
MC7815	On Semiconductor	UA7812	3	PFM, TO-220, TO-263	0 to 125	S
MC7815	Fairchild Semiconductor	UA7815	3	PFM, TO-220, TO-263	0 to 125	S
MC7815	On Semiconductor	UA7815	3	PFM, TO-220, TO-263	0 to 125	S
MC7815AE	Fairchild Semiconductor	UA7815	3	PFM, TO-220, TO-263	0 to 125	S
MC7815E	Fairchild Semiconductor	UA7815	3	PFM, TO-220, TO-263	0 to 125	S
MC7824	Fairchild Semiconductor	UA7824	3	PFM, TO-220, TO-263	0 to 125	S
MC7824	On Semiconductor	UA7824	3	PFM, TO-220, TO-263	0 to 125	S
MC7824A	Fairchild Semiconductor	UA7824	3	PFM, TO-220, TO-263	0 to 125	S
MC7824AE	Fairchild Semiconductor	UA7824	3	PFM, TO-220, TO-263	0 to 125	S
MC7824E	Fairchild Semiconductor	UA7824	3	PFM, TO-220, TO-263	0 to 125	S
MC78L05A	Fairchild Semiconductor	UA78L05A	3, 8	SOIC, SOT-89, TO-92	0 to 125, -40 to 125	S
MC78L05A	On Semiconductor	UA78L05A	3, 8	SOIC, SOT-89, TO-92	0 to 125, -40 to 125	S
MC78L05AA	Fairchild Semiconductor	UA78L05A	3, 8	SOIC, SOT-89, TO-92	0 to 125, -40 to 125	S
MC78L08	On Semiconductor	UA78L08A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
MC78L08A	Fairchild Semiconductor	UA78L08A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
MC78L09A	On Semiconductor	UA78L09A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
MC78L12	On Semiconductor	UA78L12A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
MC78L12A	Fairchild Semiconductor	UA78L12A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
MC78L15	On Semiconductor	UA78L15A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
MC78L15A	Fairchild Semiconductor	UA78L15A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
MC78LC15	On Semiconductor	TPS79030	5	SOT-23	-40 to 125	Q
MC78LC18	On Semiconductor	TPS79030	5	SOT-23	-40 to 125	Q
MC78LC40	On Semiconductor	TPS79030	5	SOT-23	-40 to 125	Q
MC78M05	Fairchild Semiconductor	UA78M05	2, 3, 4	PFM, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
MC78M05	On Semiconductor	UA78M05	2, 3, 4	PFM, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
MC78M05	Fairchild Semiconductor	UA78M06	2, 3	PFM, TO-252	0 to 125	Q
MC78M05A	On Semiconductor	UA78M05	2, 3, 4	PFM, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
MC78M05AB	On Semiconductor	UA78M05	2, 3, 4	PFM, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
MC78M05B	On Semiconductor	UA78M05	2, 3, 4	PFM, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
MC78M06	Fairchild Semiconductor	UA78M06	2, 3	PFM, TO-252	0 to 125	S
MC78M08	Fairchild Semiconductor	UA78M08	2, 3, 4	PFM, SOT-223, TO-220, TO-252	0 to 125	S
MC78M08	On Semiconductor	UA78M08	2, 3, 4	PFM, SOT-223, TO-220, TO-252	0 to 125	S
MC78M12	Fairchild Semiconductor	UA78M12	2, 3	PFM, TO-220, TO-252	0 to 125	S
MC78M12	On Semiconductor	UA78M12	2, 3	PFM, TO-220, TO-252	0 to 125	S
MC78PC18	On Semiconductor	TPS79030	5	SOT-23	-40 to 125	Q
MC78PC25	On Semiconductor	TPS79030	5	SOT-23	-40 to 125	Q

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
MC78PC28	On Semiconductor	TPS79030	5	SOT-23	-40 to 125	Q
MC78PC30	On Semiconductor	TPS76350	5	SOT-23		Q
MC78PC33	On Semiconductor	TPS79030	5	SOT-23	-40 to 125	Q
MC78PC50	On Semiconductor	TPS79030	5	SOT-23	-40 to 125	Q
MC7905	Fairchild Semiconductor	UA7905	3	PFM, TO-220, TO-263	0 to 125	S
MC7905	On Semiconductor	UA7905	3	PFM, TO-220, TO-263	0 to 125	S
MC7905A	Fairchild Semiconductor	UA7905	3	PFM, TO-220, TO-263	0 to 125	S
MC7908	Fairchild Semiconductor	UA7908	3	PFM, TO-220, TO-263	0 to 125	S
MC7908	On Semiconductor	UA7908	3	PFM, TO-220, TO-263	0 to 125	S
MC7912	Fairchild Semiconductor	UA7912	3	TO-220	0 to 125	S
MC7912	On Semiconductor	UA7912	3	TO-220	0 to 125	S
MC7912A	Fairchild Semiconductor	UA7912	3	TO-220	0 to 125	S
MC79L05	On Semiconductor	MC79L05A	3, 8	SOIC, TO-92	0 to 125	S
MC79L05A	Fairchild Semiconductor	MC79L05A	3, 8	SOIC, TO-92	0 to 125	S
MC79L05A	Vishay Siliconix (SI)	MC79L05A	3, 8	SOIC, TO-92	0 to 125	S
MC79L12	On Semiconductor	MC79L12	3	TO-92	0 to 125	S
MC79L12	On Semiconductor	MC79L12A	3, 8	SOIC, TO-92	0 to 125	S
MC79L12A	Fairchild Semiconductor	MC79L12	3	TO-92	0 to 125	S
MC79L12A	Vishay Siliconix (SI)	MC79L12	3	TO-92	0 to 125	S
MC79L12A	Fairchild Semiconductor	MC79L12A	3, 8	SOIC, TO-92	0 to 125	S
MC79L12A	Vishay Siliconix (SI)	MC79L12A	3, 8	SOIC, TO-92	0 to 125	S
MC79L15	On Semiconductor	MC79L15	8	SOIC	0 to 125	S
MC79L15	On Semiconductor	MC79L15A	3	TO-92	0 to 125	S
MC79L15A	Fairchild Semiconductor	MC79L15	8	SOIC	0 to 125	S
MC79L15A	Vishay Siliconix (SI)	MC79L15	8	SOIC	0 to 125	S
MC79L15A	Fairchild Semiconductor	MC79L15A	3	TO-92	0 to 125	S
MC79L15A	Vishay Siliconix (SI)	MC79L15A	3	TO-92	0 to 125	S
MC79M05	Fairchild Semiconductor	UA79M05	2, 3	PFM, TO-220, TO-252	0 to 125	S
MC79M05	On Semiconductor	UA79M05	2, 3	PFM, TO-220, TO-252	0 to 125	S
MCP601	Microchip Technology (MCT)	OPA344	5, 8	PDIP, SOIC, SOT-23		S
MCP809-270	Microchip Technology (MCT)	TPS3809L30	3	SOT-23	-40 to 85	S
MCP809-270	Microchip Technology (MCT)	TPS3809L30	3	SOT-23	-40 to 85	S
MCP809-300	Microchip Technology (MCT)	TPS3809K33	3	SOT-23	-40 to 85	S
MCP809-300	Microchip Technology (MCT)	TPS3809K33	3	SOT-23	-40 to 85	S
MCP809-460	Microchip Technology (MCT)	TPS3809I50	3	SOT-23	-40 to 85	S
MCP809-460	Microchip Technology (MCT)	TPS3809I50	3	SOT-23	-40 to 85	S
MCT7805	Motorola (MOT)	UA7805	3	PFM, TO-220, TO-263	0 to 125	S
MCT7805	On Semiconductor	UA7805	3	PFM, TO-220, TO-263	0 to 125	S
MCT7808	Motorola (MOT)	UA7808	3	PFM, TO-220, TO-263	0 to 125	S
MCT7808	On Semiconductor	UA7808	3	PFM, TO-220, TO-263	0 to 125	S
MCT7812	Motorola (MOT)	UA7812	3	PFM, TO-220, TO-263	0 to 125	S
MCT7812	On Semiconductor	UA7812	3	PFM, TO-220, TO-263	0 to 125	S
MCT7815	On Semiconductor	UA7812	3	PFM, TO-220, TO-263	0 to 125	S
MCT7815	Motorola (MOT)	UA7815	3	PFM, TO-220, TO-263	0 to 125	S
MCT7815	On Semiconductor	UA7815	3	PFM, TO-220, TO-263	0 to 125	S
MCT7824	Motorola (MOT)	UA7824	3	PFM, TO-220, TO-263	0 to 125	S
MCT7824	On Semiconductor	UA7824	3	PFM, TO-220, TO-263	0 to 125	S
MIC1426	Micrel	UCC27423	8	MSOP, PDIP, SOIC	-40 to 105	S
MIC1427	Micrel	UCC27424	8	MSOP, PDIP, SOIC	-40 to 105	S
MIC1428	Micrel	UCC27425	8	MSOP, PDIP, SOIC	-40 to 105	S
MIC2514	Micrel	TPS2100	5	SOT-23	-40 to 85	S
MIC2514	Micrel	TPS2101	5, 8	SOIC, SOT-23	-40 to 85	S
MIC2514	Micrel	TPS2102	5, 8	SOIC, SOT-23		S
MIC2514	Micrel	TPS2103	5	SOT-23	-40 to 70	S
MIC2514	Micrel	TPS2104	5, 8	SOIC, SOT-23		S

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\* Must-Have product



## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
MIC2514	Micrel	TPS2105	5, 8	SOIC, SOT-23		S
MIC2920A-12	Micrel	TL750M05	2, 3	PFM, TO-220, TO-252, TO-263	0 to 125	Q
MIC2920A-12	Micrel	TL750M10	2, 3	PFM, TO-220, TO-252, TO-263	0 to 125	Q
MIC2920A-12	Micrel	TL750M12	2, 3	PFM, TO-220, TO-252	0 to 125	Q
MIC2920A-3.3	Micrel	TL750M05	2, 3	PFM, TO-220, TO-252, TO-263	0 to 125	Q
MIC2920A-3.3	Micrel	TL750M10	2, 3	PFM, TO-220, TO-252, TO-263	0 to 125	Q
MIC2920A-3.3	Micrel	TL750M12	2, 3	PFM, TO-220, TO-252	0 to 125	Q
MIC2920A-3.3	Micrel	TLV2217-33	2, 3, 20	PFM, TO-220, TO-252, TSSOP	0 to 125	Q
MIC2920A-4.8	Micrel	TL750M05	2, 3	PFM, TO-220, TO-252, TO-263	0 to 125	Q
MIC2920A-5.0	Micrel	TL750M05	2, 3	PFM, TO-220, TO-252, TO-263	0 to 125	Q
MIC2920A-5.0	Micrel	TL750M10	2, 3	PFM, TO-220, TO-252, TO-263	0 to 125	Q
MIC426	Micrel	UCC27423	8	MSOP, PDIP, SOIC	-40 to 105	S
MIC427	Micrel	UCC27424	8	MSOP, PDIP, SOIC	-40 to 105	S
MIC428B	Micrel	UCC27425	8	MSOP, PDIP, SOIC	-40 to 105	S
MIC4420	Micrel	UCC37321	8	MSOP, PDIP, SOIC	0 to 70	S
MIC4421	Micrel	UCC37321	8	MSOP, PDIP, SOIC	0 to 70	S
MIC4422	Micrel	UCC37322	8	MSOP, PDIP, SOIC	0 to 70	S
MIC4423	Micrel	UCC27423	8	MSOP, PDIP, SOIC	-40 to 105	S
MIC4423	Micrel	UCC37323	8	MSOP, PDIP, SOIC	0 to 70	S
MIC4424	Micrel	UCC27424	8	MSOP, PDIP, SOIC	-40 to 105	S
MIC4424	Micrel	UCC37324	8	MSOP, PDIP, SOIC	0 to 70	S
MIC4425	Micrel	UCC37325	8	MSOP, PDIP, SOIC	0 to 70	S
MIC4426	Micrel	UCC27423	8	MSOP, PDIP, SOIC	-40 to 105	S
MIC4427	Micrel	UCC27424	8	MSOP, PDIP, SOIC	-40 to 105	S
MIC4428	Micrel	UCC27425	8	MSOP, PDIP, SOIC	-40 to 105	S
MIC4429	Micrel	UCC37322	8	MSOP, PDIP, SOIC	0 to 70	S
MIC4451	Micrel	UCC37321	8	MSOP, PDIP, SOIC	0 to 70	S
MIC4452	Micrel	UCC37322	8	MSOP, PDIP, SOIC	0 to 70	S
MIC706	Micrel	TPS3705-30	8	MSOP, SOIC	-40 to 85	S
MIC708	Micrel	TPS3707-30	8	MSOP, SOIC	-40 to 85	S
MIC809	Micrel	TPS3809L30	3	SOT-23	-40 to 85	S
MIC809	Micrel	TPS3809L30	3	SOT-23	-40 to 85	S
MN574A	Micro Networks Corp.	ADS574	28	PDIP		Q
MP0820	Micro Power Systems (Exar)	TLC0820A	20	PDIP, PLCC, SOIC, SSOP	0 to 70	S
MP7226	Micro Power Systems (Exar)	TLC7226	20	LCCC, PDIP, SOIC	-40 to 85, -55 to 125	S
MP7524	Micro Power Systems (Exar)	TLC7524	16, 20	PDIP, PLCC, SOIC, SOP, TSSOP	0 to 70	S
MP7528	Micro Power Systems (Exar)	TLC7528	20	PDIP, PLCC, SOIC, SOP, TSSOP	0 to 70, -25 to 85, -40 to 85	S
MP7628	Micro Power Systems (Exar)	TLC7628	20	PDIP, SOIC		S
MX-1606	Datel	MPC506	28	PDIP, SOIC	-40 to 85	S
MX574A	Maxim	ADS574	28	PDIP		S
MX574A	Maxim	ADS774	28	PDIP, SOIC	-40 to 85	S
MX7226	Maxim	TLC7226	20	LCCC, PDIP, SOIC	-40 to 85, -55 to 125	S
MX7524	Maxim	TLC7524	16, 20	PDIP, PLCC, SOIC, SOP, TSSOP	0 to 70	S
MX7528	Maxim	TLC7528	20	PDIP, PLCC, SOIC, SOP, TSSOP	0 to 70, -25 to 85, -40 to 85	S
MX7545	Maxim	DAC7545	20	PDIP, SOIC	-40 to 85	S
MX7628	Maxim	TLC7628	20	PDIP, SOIC		S
MX7820	Maxim	TLC0820A	20	PDIP, PLCC, SOIC, SSOP	0 to 70	S
MX-808	Datel	MPC508	16	PDIP, SOIC	-40 to 85	S
MXD-409	Datel	MPC509	16	PDIP, SOIC	-40 to 85	S
MXD-807	Datel	MPC507	28	PDIP, SOIC		S
MXL1013	Maxim	LM158	8, 20	CDIP, LCCC	-55 to 125	S
MXL1013	Maxim	LM158A	8, 20	CDIP, LCCC	-55 to 125	S
MXL1013	Maxim	LT1013	8	PDIP, SOIC	0 to 70	S
MXL1013	Maxim	LT1013AM	8, 20	CDIP, LCCC	-55 to 125	S
MXL1013	Maxim	LT1013M	8, 20	CDIP, LCCC	-55 to 125	S

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\* **Must-Have product**

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
MXL1013A	Maxim	LM158	8, 20	CDIP, LCCC	-55 to 125	S
MXL1013A	Maxim	LM158A	8, 20	CDIP, LCCC	-55 to 125	S
MXL1013A	Maxim	LT1013AM	8, 20	CDIP, LCCC	-55 to 125	S
MXL1013A	Maxim	LT1013M	8, 20	CDIP, LCCC	-55 to 125	S
MXL1013D	Maxim	LT1013D	8	PDIP, SOIC	0 to 70, -40 to 85, -55 to 125	S
MXL1014	Maxim	LM148	14, 20	CDIP, LCCC	-55 to 125	S
MXL1014	Maxim	LT1014	14, 20	CDIP, LCCC, PDIP	0 to 70, -55 to 125	S
MXL1014	Maxim	LT1014A	14, 20	CDIP, LCCC	-55 to 125	S
MXL1014	Maxim	LT1014D	14, 16	PDIP, SOIC	0 to 70, -40 to 105, -55 to 125	S
MXL1014A	Maxim	LM148	14, 20	CDIP, LCCC	-55 to 125	S
MXL1014A	Maxim	LT1014	14, 20	CDIP, LCCC, PDIP	0 to 70, -55 to 125	S
MXL1014A	Maxim	LT1014A	14, 20	CDIP, LCCC	-55 to 125	S
MXL1014D	Maxim	LT1014D	14, 16	PDIP, SOIC	0 to 70, -40 to 105, -55 to 125	S
NCP1117	On Semiconductor	TLV1117	2, 3, 4, 8	PFM, SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	S
NCP1117-18	On Semiconductor	TLV1117-18	3, 4, 8	SON, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
NCP1117-33	On Semiconductor	TLV1117-33	3, 4, 8	SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	S
NCP4413	On Semiconductor	UCC27423	8	MSOP, PDIP, SOIC	-40 to 105	S
NCP4414	On Semiconductor	UCC27424	8	MSOP, PDIP, SOIC	-40 to 105	S
NCP4421	On Semiconductor	UCC37321	8	MSOP, PDIP, SOIC	0 to 70	S
NCP4422	On Semiconductor	UCC37322	8	MSOP, PDIP, SOIC	0 to 70	S
NCP4423	On Semiconductor	UCC27423	8	MSOP, PDIP, SOIC	-40 to 105	S
NCP4424	On Semiconductor	UCC27424	8	MSOP, PDIP, SOIC	-40 to 105	S
NCP4425	On Semiconductor	UCC27425	8	MSOP, PDIP, SOIC	-40 to 105	S
NCV1009	On Semiconductor	LT1009	3, 8	SOIC, TO-92, TSSOP	0 to 70, -40 to 85	S
NCV317	On Semiconductor	LM311	8	PDIP, SOIC, SOP, TSSOP	0 to 70	S
NCV317	On Semiconductor	LM317	3, 4	SOT-223, TO-220	0 to 125	Q
NCV317	On Semiconductor	LM317L	3, 8	SOIC, TO-92, TSSOP	0 to 125	Q
NCV317	On Semiconductor	TL317	3, 8	SOIC, TO-92, TSSOP	0 to 125	Q
NCV33063A	On Semiconductor	MC33063A*	8	PDIP, SOIC	-40 to 85	Q
NCV7805	On Semiconductor	UA7805	3	PFM, TO-220, TO-263	0 to 125	S
NE532	Philips Semiconductor	LM358	8	MSOP, PDIP, SOIC, SOP, TSSOP	0 to 70	S
NE532	Fairchild Semiconductor	NE532	8	PDIP, SOIC, SOP	0 to 70	S
NE532	Philips Semiconductor	NE532	8	PDIP, SOIC, SOP	0 to 70	S
NE532A	Philips Semiconductor	NE532A	8	PDIP, SOIC, SOP	0 to 70	S
NE532N	Signetics (Philips)	OPA2604	8	PDIP, SOIC	-40 to 85	S
NE5534	Philips Semiconductor	NE5534	8	PDIP, SOIC, SOP	0 to 70	S
NE5534A	Philips Semiconductor	NE5534A	8	PDIP, SOIC	0 to 70	S
NE555	Philips Semiconductor	NE555	8	PDIP, SOIC, SOP, TSSOP	0 to 70	S
NE556	Philips Semiconductor	NE556	14	PDIP, SOIC, SOP, SSOP	0 to 70	S
NE592	Philips Semiconductor	TL592B	8	PDIP, SOIC, SOP	0 to 70	S
NJM062D	New Japan Radio	OPA2137	8	MSOP, PDIP, SOIC	-40 to 85	S
NJM082	New Japan Radio	TL082A	8	PDIP, SOIC, SOP	0 to 70	S
NJM082	New Japan Radio	TL082B	8	PDIP, SOIC	0 to 70	S
NJM084	New Japan Radio	TL084A	14	PDIP, SOIC, SOP	0 to 70	S
NJM084	New Japan Radio	TL084B	14	PDIP, SOIC	0 to 70	S
NJM2360	New Japan Radio	MC33063A*	8	PDIP, SOIC	-40 to 85	Q
NJM2380	New Japan Radio	TL432	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
NJM2380A	New Japan Radio	TL432A	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
NJM317	New Japan Radio	LM311	8	PDIP, SOIC, SOP, TSSOP	0 to 70	S
NJM3414A	New Japan Radio	TL3414A	8	PDIP, SOIC, TSSOP	-40 to 85	S
NJM431	New Japan Radio	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
NJM4560	New Japan Radio	RC4560	8	PDIP, SOIC, TSSOP	-40 to 85	S

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## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
NJM4580	New Japan Radio	RC4580	8	PDIP, SOIC, TSSOP	-40 to 85	S
NJM7805	New Japan Radio	UA7805	3	PFM, TO-220, TO-263	0 to 125	S
NJM7812	New Japan Radio	UA7812	3	PFM, TO-220, TO-263	0 to 125	S
NJM7824	New Japan Radio	UA7824	3	PFM, TO-220, TO-263	0 to 125	S
NJM78L05	New Japan Radio	UA78L05A	3, 8	SOIC, SOT-89, TO-92	0 to 125, -40 to 125	S
NJM78L06	New Japan Radio	UA78L06A	3	SOT-89, TO-92	0 to 125	S
NJM78L09	New Japan Radio	UA78L09A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
NJM78L15	New Japan Radio	UA78L15A	3, 8	SOIC, SOT-89, TO-92	0 to 125	S
NJM78M05	New Japan Radio	UA78M05	2, 3, 4	PFM, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
NJM78M12	New Japan Radio	UA78M12	2, 3	PFM, TO-220, TO-252	0 to 125	S
NJM7905	New Japan Radio	UA7905	3	PFM, TO-220, TO-263	0 to 125	S
NJM7908	New Japan Radio	UA7908	3	PFM, TO-220, TO-263	0 to 125	S
NJM7912	New Japan Radio	UA7912	3	TO-220	0 to 125	S
NJM79M05	New Japan Radio	UA79M05	2, 3	PFM, TO-220, TO-252	0 to 125	S
NJU#7772F15	New Japan Radio	TPS79030	5	SOT-23	-40 to 125	Q
NJU7772F05	New Japan Radio	TPS79030	5	SOT-23	-40 to 125	Q
NJU7772F15	New Japan Radio	TPS79030	5	SOT-23	-40 to 125	Q
NJU7772F21	New Japan Radio	TPS79030	5	SOT-23	-40 to 125	Q
NJU7772F22	New Japan Radio	TPS79030	5	SOT-23	-40 to 125	Q
NJU7772F23	New Japan Radio	TPS79030	5	SOT-23	-40 to 125	Q
NJU7772F25	New Japan Radio	TPS79030	5	SOT-23	-40 to 125	Q
NJU7772F27	New Japan Radio	TPS79030	5	SOT-23	-40 to 125	Q
NJU7772F28	New Japan Radio	TPS79030	5	SOT-23	-40 to 125	Q
NJU7772F33	New Japan Radio	TPS79030	5	SOT-23	-40 to 125	Q
NJU7772F35	New Japan Radio	TPS79030	5	SOT-23	-40 to 125	Q
NJU7772F38	New Japan Radio	TPS79030	5	SOT-23	-40 to 125	Q
NJU7775F05	New Japan Radio	TPS79030	5	SOT-23	-40 to 125	Q
NJU7775F15	New Japan Radio	TPS79030	5	SOT-23	-40 to 125	Q
NJU7775F21	New Japan Radio	TPS79030	5	SOT-23	-40 to 125	Q
NJU7775F22	New Japan Radio	TPS79030	5	SOT-23	-40 to 125	Q
NJU7775F23	New Japan Radio	TPS79030	5	SOT-23	-40 to 125	Q
NJU7775F25	New Japan Radio	TPS79030	5	SOT-23	-40 to 125	Q
NJU7775F27	New Japan Radio	TPS79030	5	SOT-23	-40 to 125	Q
NJU7775F28	New Japan Radio	TPS79030	5	SOT-23	-40 to 125	Q
NJU7775F33	New Japan Radio	TPS79030	5	SOT-23	-40 to 125	Q
NJU7775F35	New Japan Radio	TPS79030	5	SOT-23	-40 to 125	Q
NJU7775F38	New Japan Radio	TPS79030	5	SOT-23	-40 to 125	Q
OP07	Analog Devices (ADI)	OP07C	8	PDIP, SOIC	0 to 70	Q
OP07	Maxim	OP07C	8	PDIP, SOIC	0 to 70	Q
OP07	Analog Devices (ADI)	OP27	8, 20	CDIP, LCCC	-55 to 125	Q
OP07	Analog Devices (ADI)	OPA277	8	PDIP, SOIC, SON	-40 to 85	S
OP07	Linear Technology Corp	OPA277	8	PDIP, SOIC, SON	-40 to 85	S
OP-07	Analog Devices (ADI)	OP07C	8	PDIP, SOIC	0 to 70	S
OP07A	Maxim	OP07C	8	PDIP, SOIC	0 to 70	Q
OP07C	Maxim	OP07C	8	PDIP, SOIC	0 to 70	S
OP07D	Maxim	OP07D	8	PDIP, SOIC, SOP	0 to 70	S
OP07E	Maxim	OP07C	8	PDIP, SOIC	0 to 70	Q
OP11	Analog Devices (ADI)	LM148	14, 20	CDIP, LCCC	-55 to 125	S
OP11	Analog Devices (ADI)	LT1014	14, 20	CDIP, LCCC, PDIP	0 to 70, -55 to 125	S
OP11	Analog Devices (ADI)	LT1014A	14, 20	CDIP, LCCC	-55 to 125	S
OP113	Analog Devices (ADI)	OPA2340	8	MSOP, PDIP, SOIC	-40 to 85	Q
OP1177	Analog Devices (ADI)	OPA177	8	PDIP, SOIC	-40 to 85	Q
OP1177	Analog Devices (ADI)	TLE2061	8	PDIP, SOIC		Q
OP1177	Analog Devices (ADI)	TLE2061A	8	PDIP, SOIC		Q
OP11A	Analog Devices (ADI)	LM148	14, 20	CDIP, LCCC	-55 to 125	S
OP11A	Analog Devices (ADI)	LT1014	14, 20	CDIP, LCCC, PDIP	0 to 70, -55 to 125	S
OP11A	Analog Devices (ADI)	LT1014A	14, 20	CDIP, LCCC	-55 to 125	S
OP11B	Analog Devices (ADI)	LM148	14, 20	CDIP, LCCC	-55 to 125	S
OP11B	Analog Devices (ADI)	LT1014	14, 20	CDIP, LCCC, PDIP	0 to 70, -55 to 125	S
OP11B	Analog Devices (ADI)	LT1014A	14, 20	CDIP, LCCC	-55 to 125	S
OP11C	Analog Devices (ADI)	LM148	14, 20	CDIP, LCCC	-55 to 125	S

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\* **Must-Have product**

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
OP11C	Analog Devices (ADI)	LT1014	14, 20	CDIP, LCCC, PDIP	0 to 70, -55 to 125	S
OP11C	Analog Devices (ADI)	LT1014A	14, 20	CDIP, LCCC	-55 to 125	S
OP11G	Analog Devices (ADI)	LM224	14	PDIP, SOIC	-25 to 85	S
OP177	Analog Devices (ADI)	OPA177	8	PDIP, SOIC	-40 to 85	S
OP177	Analog Devices (ADI)	OPA277	8	PDIP, SOIC, SON	-40 to 85	Q
OP191	Analog Devices (ADI)	OPA340	5, 8	PDIP, SOIC, SOT-23		Q
OP191	Analog Devices (ADI)	OPA345	5, 8	SOIC, SOT-23		Q
OP191	Analog Devices (ADI)	OPA704	5, 8	PDIP, SOIC, SOT-23		S
OP193	Analog Devices (ADI)	OPA241	8	PDIP, SOIC	-40 to 85	Q
OP193	Analog Devices (ADI)	OPA251	8	PDIP, SOIC		Q
OP196	Analog Devices (ADI)	OPA347	5, 8	PDIP, SC70, SOIC, SOT-23	-55 to 125	Q
OP200	Analog Devices (ADI)	OPA2277	8	PDIP, SOIC, SON	-40 to 85	S
OP213	Analog Devices (ADI)	OPA2234	8	SOIC	-40 to 85	Q
OP213	Analog Devices (ADI)	TLE2022	8	PDIP, SOIC		Q
OP215	Analog Devices (ADI)	OPA2132	8	PDIP, SOIC	-40 to 125	Q
OP215	Analog Devices (ADI)	TL072	8, 10, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
OP215	Analog Devices (ADI)	TL082	8, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
OP215A	Analog Devices (ADI)	TL072	8, 10, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
OP215A	Analog Devices (ADI)	TL082	8, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
OP215B	Analog Devices (ADI)	TL072	8, 10, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
OP215B	Analog Devices (ADI)	TL082	8, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
OP215C	Analog Devices (ADI)	TL072	8, 10, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
OP215C	Analog Devices (ADI)	TL082	8, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
OP-215C	Linear Technology Corp	TL082	8, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
OP2177	Analog Devices (ADI)	TLE2062	8	PDIP, SOIC		Q
OP220	Analog Devices (ADI)	OPA2241	8	PDIP, SOIC		Q
OP220	Analog Devices (ADI)	TLC2252	8	PDIP, SOIC, TSSOP	0 to 70, -40 to 125	Q
OP220	Analog Devices (ADI)	TLC2252A	8	PDIP, SOIC, TSSOP	-40 to 125	Q
OP221G	Analog Devices (ADI)	LM258	8	MSOP, PDIP, SOIC	-25 to 85	S
OP249	Analog Devices (ADI)	OPA2107	8	PDIP, SOIC	-25 to 85	Q
OP249	Analog Devices (ADI)	OPA2111	8	PDIP, TO-99		Q
OP249	Analog Devices (ADI)	OPA2132	8	PDIP, SOIC	-40 to 125	S
OP249	Analog Devices (ADI)	TL062	8, 10, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	Q
OP249	Analog Devices (ADI)	TL082	8, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	Q
OP249	Analog Devices (ADI)	TL082A	8	PDIP, SOIC, SOP	0 to 70	S
OP250	Analog Devices (ADI)	OPA2132	8	PDIP, SOIC	-40 to 125	Q
OP250	Analog Devices (ADI)	OPA2343	8	MSOP, SOIC		Q
OP262	Analog Devices (ADI)	OPA2340	8	MSOP, PDIP, SOIC	-40 to 85	Q
OP27	Analog Devices (ADI)	OP27	8, 20	CDIP, LCCC	-55 to 125	S
OP27	Analog Devices (ADI)	OPA227	8	PDIP, SOIC		S
OP270	Analog Devices (ADI)	OP27	8, 20	CDIP, LCCC	-55 to 125	Q
OP270	Analog Devices (ADI)	OPA2227	8	PDIP, SOIC	-40 to 85	Q
OP27A	Analog Devices (ADI)	OP27	8, 20	CDIP, LCCC	-55 to 125	S
OP27A	Maxim	OP27	8, 20	CDIP, LCCC	-55 to 125	S
OP27B	Analog Devices (ADI)	OP27	8, 20	CDIP, LCCC	-55 to 125	S
OP27C	Analog Devices (ADI)	OP27	8, 20	CDIP, LCCC	-55 to 125	S
OP27C	Maxim	OP27	8, 20	CDIP, LCCC	-55 to 125	S
OP281	Analog Devices (ADI)	OPA2336	8	MSOP, PDIP, SOIC	-40 to 85	Q
OP282	Analog Devices (ADI)	TLE2062	8	PDIP, SOIC		Q
OP284	Analog Devices (ADI)	OPA2132	8	PDIP, SOIC	-40 to 125	Q
OP284	Analog Devices (ADI)	OPA2234	8	SOIC	-40 to 85	Q

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
OP290	Analog Devices (ADI)	OPA2241	8	PDIP, SOIC		S
OP290	Analog Devices (ADI)	OPA2251	8	PDIP, SOIC		S
OP291	Analog Devices (ADI)	OPA2340	8	MSOP, PDIP, SOIC	-40 to 85	Q
OP291	Analog Devices (ADI)	OPA2704	8	MSOP, PDIP, SOIC		Q
OP291	Analog Devices (ADI)	TLC2262	8	PDIP, SOIC, TSSOP	0 to 70, -40 to 125	Q
OP291	Analog Devices (ADI)	TLV2262	8	PDIP, SOIC, TSSOP	-40 to 125	Q
OP292G	Analog Devices (ADI)	LM2904	8	MSOP, PDIP, SOIC, SOP, TSSOP	-40 to 125	S
OP293	Analog Devices (ADI)	OPA2241	8	PDIP, SOIC		Q
OP293	Analog Devices (ADI)	OPA2251	8	PDIP, SOIC		Q
OP295	Analog Devices (ADI)	OPA2241	8	PDIP, SOIC		Q
OP295	Analog Devices (ADI)	OPA2244	8	MSOP, PDIP, SOIC	-40 to 85	Q
OP295	Analog Devices (ADI)	OPA2251	8	PDIP, SOIC		Q
OP295	Analog Devices (ADI)	OPA2340	8	MSOP, PDIP, SOIC	-40 to 85	Q
OP296	Analog Devices (ADI)	OPA2234	8	SOIC	-40 to 85	Q
OP296	Analog Devices (ADI)	OPA2347	8	SOIC, SOT-23, XCEPT	-55 to 125	Q
OP297A	Analog Devices (ADI)	LM158	8, 20	CDIP, LCCC	-55 to 125	S
OP297A	Analog Devices (ADI)	LM158A	8, 20	CDIP, LCCC	-55 to 125	S
OP297A	Analog Devices (ADI)	LT1013AM	8, 20	CDIP, LCCC	-55 to 125	S
OP297A	Analog Devices (ADI)	LT1013M	8, 20	CDIP, LCCC	-55 to 125	S
OP37	Analog Devices (ADI)	OPA228	8	PDIP, SOIC		S
OP37	Analog Devices (ADI)	OPA37	8	PDIP, SOIC	-40 to 85	S
OP37A	Analog Devices (ADI)	OP27	8, 20	CDIP, LCCC	-55 to 125	S
OP37A	Maxim	OP27	8, 20	CDIP, LCCC	-55 to 125	S
OP37B	Analog Devices (ADI)	OP27	8, 20	CDIP, LCCC	-55 to 125	S
OP37C	Maxim	OP27	8, 20	CDIP, LCCC	-55 to 125	S
OP400A	Analog Devices (ADI)	LM124	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
OP400A	Analog Devices (ADI)	LM124A	14, 20	CDIP, LCCC	-55 to 125	S
OP4177	Analog Devices (ADI)	TLE2064	14	PDIP, SOIC	0 to 70, -40 to 85	Q
OP421B	Analog Devices (ADI)	LM124	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
OP421B	Analog Devices (ADI)	LM124A	14, 20	CDIP, LCCC	-55 to 125	S
OP421C	Analog Devices (ADI)	LM124	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
OP421C	Analog Devices (ADI)	LM124A	14, 20	CDIP, LCCC	-55 to 125	S
OP450	Analog Devices (ADI)	OPA4342	14	PDIP, SOIC, TSSOP		S
OP470	Analog Devices (ADI)	OPA4227	14	PDIP, SOIC		Q
OP470	Analog Devices (ADI)	TLE2064	14	PDIP, SOIC	0 to 70, -40 to 85	Q
OP471	Analog Devices (ADI)	OPA4227	14	PDIP, SOIC		Q
OP471	Analog Devices (ADI)	OPA4228	14	PDIP, SOIC		Q
OP484	Analog Devices (ADI)	TLE2064	14	PDIP, SOIC	0 to 70, -40 to 85	Q
OP491	Analog Devices (ADI)	OPA4340	14, 16	QSOP, SOIC	-40 to 85	Q
OP491	Analog Devices (ADI)	OPA4704	14	SOIC, TSSOP		Q
OP491	Analog Devices (ADI)	TLC2264	14	PDIP, SOIC, TSSOP	0 to 70, -40 to 125	Q
OP491	Analog Devices (ADI)	TLC2274	14, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP, XCEPT	0 to 70, -40 to 125, -55 to 125	Q
OP493	Analog Devices (ADI)	OPA4251	14	PDIP, SOIC		Q
OP495	Analog Devices (ADI)	OPA4241	14	PDIP, SOIC		Q
OP495	Analog Devices (ADI)	OPA4251	14	PDIP, SOIC		Q
OP496	Analog Devices (ADI)	OPA4347	14	SOIC, TSSOP		Q
OZ2206	Oz Micro	TPS2206A	30, 32	HTSSOP, SSOP	-40 to 85	S
OZ2211	Oz Micro	TPS2211A	16, 20	HTSSOP, SSOP, TSSOP	-40 to 85	S
OZ2216	Oz Micro	TPS2216A	30, 32	HTSSOP, SSOP	-40 to 70	S
PCA82C250	Philips Semiconductor	SN65HVD251	8	PDIP, SOIC	-40 to 125	S
PCA82C251	Philips Semiconductor	SN65HVD251	8	PDIP, SOIC	-40 to 125	S
PCA8550	Philips Semiconductor	PCA8550	16	SOIC, SSOP, TSSOP	0 to 70	S
PCA9515	Philips Semiconductor	PCA9515A	8	MSOP, SOIC, TSSOP	-40 to 85	S
PCA9515A	Philips Semiconductor	PCA9515A	8	MSOP, SOIC, TSSOP	-40 to 85	S
PCA9535	Philips Semiconductor	PCA9535*	24	QFN, QSOP, SOIC, SSOP, TSSOP, TVSOP	-40 to 85	S
PCA9539	Philips Semiconductor	PCA9539*	24	QFN, QSOP, SOIC, SSOP, TSSOP, TVSOP	-40 to 85	S
PCA9544A	Philips Semiconductor	PCA9544A*	20	BGA, QFN, SOIC, TSSOP, TVSOP, VFBGA	-40 to 85	S

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\* **Must-Have product**

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
PCA9545A	Philips Semiconductor	PCA9545A*	20	BGA, QFN, SOIC, TSSOP, TVSOP, VFBGA	-40 to 85	S
PCA9546A	Philips Semiconductor	PCA9546A*	16, 20	BGA, QFN, SOIC, TSSOP, TVSOP, VFBGA	-40 to 85	S
PCA9555	Philips Semiconductor	PCA9555*	24	QFN, QSOP, SOIC, SSOP, TSSOP, TVSOP	-40 to 85	S
PCA9557	Philips Semiconductor	PCA9557	16	QFN, SOIC, SSOP, TSSOP, TVSOP	-40 to 85	S
PCF8574	Philips Semiconductor	PCF8574*	16, 20	PDIP, QFN, SOIC, TSSOP, TVSOP	-40 to 85	S
PCF8574A	Philips Semiconductor	PCF8574A*	16, 20	PDIP, QFN, SOIC, TSSOP, TVSOP	-40 to 85	S
PCF8575	Philips Semiconductor	PCF8575*	24	QFN, QSOP, SOIC, SSOP, TSSOP, TVSOP	-40 to 85	S
PCF8575C	Philips Semiconductor	PCF8575C*	24	QFN, QSOP, SOIC, SSOP, TSSOP, TVSOP	-40 to 85	S
PCI6150	PLX Technology, Inc.	PCI2050B	208257	BGA, LQFP, QFP	0 to 70, -40 to 85	Q
PI3L100	Pericom Semiconductor	TS3L100	16	QFN, QSOP, SOIC, TSSOP, TVSOP	0 to 70	S
PI3L110	Pericom Semiconductor	TS3L110	16	QFN, QSOP, SOIC, TSSOP, TVSOP	-40 to 85	S
PI3L301D	Pericom Semiconductor	TS3L301*	48	TSSOP, TVSOP	-40 to 85	S
PI5A3159	Pericom Semiconductor	TS5A3159	6	SC70, SOT-23	-40 to 85	S
PI5A4594A	Pericom Semiconductor	TS5A4594	5	SC70, SOT-23	-40 to 85	S
PI5A4595A	Pericom Semiconductor	TS5A4595	5	SC70, SOT-23	-40 to 85	S
PI5A4596A	Pericom Semiconductor	TS5A4596	5	SC70, SOT-23	-40 to 85	S
PI5A4597A	Pericom Semiconductor	TS5A4597	5	SC70, SOT-23	-40 to 85	S
PI5A4626	Pericom Semiconductor	TS5A3166	5	DSBGA, SC70, SOT-23	-40 to 85	S
PI5L100	Pericom Semiconductor	TS5L100	16, 20	QFN, QSOP, SOIC, TSSOP	0 to 70	S
PI5V330	Pericom Semiconductor	TS5V330	16	QFN, QSOP, SOIC, TSSOP	-40 to 85	S
PM111	Analog Devices (ADI)	LM111	8, 20	CDIP, LCCC	-55 to 125	S
PM139	Analog Devices (ADI)	LM139	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
PM139	Analog Devices (ADI)	LM139A	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
PM139	Analog Devices (ADI)	TLC139	14, 20	CDIP, LCCC, SOIC	-55 to 125	S
PM139	Analog Devices (ADI)	TLC339	14	PDIP, SOIC, SOP, SSOP, TSSOP	-55 to 125	S
PM139A	Analog Devices (ADI)	LM139	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
PM139A	Analog Devices (ADI)	LM139A	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
PM139A	Analog Devices (ADI)	TLC139	14, 20	CDIP, LCCC, SOIC	-55 to 125	S
PQ1U501M	Sharp Corporation	LP2985-50	5	SOT-23	-40 to 125	S
PQ1X251	Sharp Corporation	LP2985-25	5	Planned	-40 to 125	S
PQ1X251	Sharp Corporation	LP2985-25	5	Planned	-40 to 125	S
PQ1X281	Sharp Corporation	LP2985-28	5	DSBGA, SOT-23	-40 to 125	S
PQ1X301	Sharp Corporation	LP2985-30	5	Planned	-40 to 125	S
PQ1X301	Sharp Corporation	LP2985-30	5	Planned	-40 to 125	S
PQ1X331	Sharp Corporation	LP2985-33	5	DSBGA, SOT-23	-40 to 125	S
PQ1X501	Sharp Corporation	LP2985-50	5	SOT-23	-40 to 125	S
RC1117	Fairchild Semiconductor	REG1117	4	SOT-223		Q
RC1117	Fairchild Semiconductor	REG1117-285	4	SOT-223		Q
RC1117	Fairchild Semiconductor	REG1117-33	3, 4	SOT-223, TO-263		Q
RC1117	Fairchild Semiconductor	REG1117-5	4	SOT-223		Q
RC1117	Fairchild Semiconductor	REG1117A-18	3, 4	SOT-223, TO-263		Q
RC1117	Fairchild Semiconductor	REG1117A-25	3, 4	SOT-223, TO-263		Q
RC111725	Fairchild Semiconductor	REG1117A-18	3, 4	SOT-223, TO-263		Q
RC1117285	Fairchild Semiconductor	REG1117A-18	3, 4	SOT-223, TO-263		Q
RC111733	Fairchild Semiconductor	REG1117A-18	3, 4	SOT-223, TO-263		Q
RC11175	Fairchild Semiconductor	REG1117A-18	3, 4	SOT-223, TO-263		Q
REF01	Analog Devices (ADI)	REF102	8	PDIP, SOIC	-25 to 85	S
REF02	Analog Devices (ADI)	REF02	8	PDIP, SOIC	-40 to 85	S
REF02	Maxim	REF02	8	PDIP, SOIC	-40 to 85	S
REF02CCSA	Maxim	REF02	8	PDIP, SOIC	-40 to 85	S
REF02CP	Analog Devices (ADI)	REF02	8	PDIP, SOIC	-40 to 85	S

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## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
REF02CP	Maxim	REF02	8	PDIP, SOIC	-40 to 85	S
REF02CS	Analog Devices (ADI)	REF02	8	PDIP, SOIC	-40 to 85	S
REF02DCSA	Maxim	REF02	8	PDIP, SOIC	-40 to 85	S
REF02DP	Analog Devices (ADI)	REF02	8	PDIP, SOIC	-40 to 85	S
REF02DP	Maxim	REF02	8	PDIP, SOIC	-40 to 85	S
REF02HP	Analog Devices (ADI)	REF02	8	PDIP, SOIC	-40 to 85	S
REF02HP	Maxim	REF02	8	PDIP, SOIC	-40 to 85	S
REF195	Analog Devices (ADI)	REF1004-1.2	8	SOIC	0 to 70, -40 to 85	Q
RH1011	Linear Technology Corp	LM111	8, 20	CDIP, LCCC	-55 to 125	S
SA532	Philips Semiconductor	LM258	8	MSOP, PDIP, SOIC	-25 to 85	S
SA534	Philips Semiconductor	LM224	14	PDIP, SOIC	-25 to 85	S
SA5532	Philips Semiconductor	SA5532	8	PDIP, SOIC	-40 to 85	S
SA5534	Philips Semiconductor	SA5534	8	PDIP, SOIC, SOP	-40 to 85	S
SA5534A	Philips Semiconductor	SA5534A	8	PDIP, SOIC	-40 to 85	S
SA555	Philips Semiconductor	SA555	8	PDIP, SOIC	-40 to 85	S
SA556	Philips Semiconductor	SA556	14	PDIP	-40 to 85	S
SC16C2550	Philips Semiconductor	TL16C2550	48	TQFP	0 to 70, -40 to 85	Q
SC431	Semtech Corporation	TL431B	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
SC431-.5	Semtech Corporation	TL431B	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
SC431-.5	Semtech Corporation	TL432B	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
SC431-.5	Semtech Corporation	TLVH432	3	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
SC431-1	Semtech Corporation	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
SC431-1	Semtech Corporation	TL432A	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
SC431-2	Semtech Corporation	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
SC431-2	Semtech Corporation	TL432	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
SC431-2	Semtech Corporation	TLVH432	3	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
SC431L-.5	Semtech Corporation	TLV431B*	3, 5, 6	SC70, SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	S
SC431L-1	Semtech Corporation	TLV431A*	3, 5, 8	SOIC, SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	S
SC431L-2	Semtech Corporation	TLV431*	3, 5	SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	S
SE532	Philips Semiconductor	LM158	8, 20	CDIP, LCCC	-55 to 125	S
SE555	Philips Semiconductor	SE555	8, 20	CDIP, LCCC, PDIP, SOIC	-55 to 125	S
SE555	Philips Semiconductor	TLC555	8, 14, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
SE556	Intersil	SE556	14	CDIP	-55 to 125	S
SG1524	Microsemi Corporation (Linfinit)	UC1524A	16, 20	CDIP, LCCC	-55 to 125	S
SG1524B	Microsemi Corporation (Linfinit)	UC1524A	16, 20	CDIP, LCCC	-55 to 125	S
SG1525A	Microsemi Corporation (Linfinit)	UC1525A	16, 20	CDIP, LCCC	-55 to 125	S
SG1525A	Microsemi Corporation (Linfinit)	UC1525B	16, 20	CDIP, LCCC	-55 to 125	S
SG1526	Microsemi Corporation (Linfinit)	UC1526	18, 20	CDIP, LCCC	-55 to 125	S
SG1526	Microsemi Corporation (Linfinit)	UC1526A	18, 20	CDIP, LCCC	-55 to 125	S
SG1526A	Microsemi Corporation (Linfinit)	UC1526	18, 20	CDIP, LCCC	-55 to 125	S
SG1526A	Microsemi Corporation (Linfinit)	UC1526A	18, 20	CDIP, LCCC	-55 to 125	S

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## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
SG1526B	Microsemi Corporation (Linfinity)	UC1526	18, 20	CDIP, LCCC	-55 to 125	S
SG1526B	Microsemi Corporation (Linfinity)	UC1526A	18, 20	CDIP, LCCC	-55 to 125	S
SG1527A	Microsemi Corporation (Linfinity)	UC1527A	16, 20	CDIP, LCCC	-55 to 125	S
SG1536	Microsemi Corporation (Linfinity)	OPA445	8	PDIP, SOIC, TO-99		S
SG1543	Microsemi Corporation (Linfinity)	UC1543	16, 20	CDIP, LCCC	-55 to 125	S
SG1825C	Microsemi Corporation (Linfinity)	UC1825	16, 20	CDIP, CFP, LCCC	-55 to 125	S
SG1825C	Microsemi Corporation (Linfinity)	UC1825A	16, 20	CDIP, LCCC	-55 to 125	S
SG1842	Microsemi Corporation (Linfinity)	UC1842	8, 14, 20	CDIP, CFP, LCCC	-55 to 125	S
SG1842	Microsemi Corporation (Linfinity)	UC1842A	8, 20	CDIP, LCCC	-55 to 125	S
SG1843	Microsemi Corporation (Linfinity)	UC1843	8, 14, 20	CDIP, CFP, LCCC	-55 to 125	S
SG1843	Microsemi Corporation (Linfinity)	UC1843A	8, 20	CDIP, LCCC	-55 to 125	S
SG1844	Microsemi Corporation (Linfinity)	UC1844	8, 14, 20	CDIP, CFP, LCCC	-55 to 125	S
SG1844	Microsemi Corporation (Linfinity)	UC1844A	8, 20	CDIP, LCCC	-55 to 125	S
SG1845	Microsemi Corporation (Linfinity)	UC1845	8, 14, 20	CDIP, CFP, LCCC	-55 to 125	S
SG1845	Microsemi Corporation (Linfinity)	UC1845A	8, 20	CDIP, LCCC	-55 to 125	S
SG1846	Microsemi Corporation (Linfinity)	UC1846	16, 20	CDIP, LCCC	-55 to 125	S
SG1846	Microsemi Corporation (Linfinity)	UC1856	16, 20	CDIP, LCCC	-55 to 125	S
SG55451B	Microsemi Corporation (Linfinity)	SN55451B	8, 20	CDIP, LCCC	-55 to 125	S
SG55452B	Microsemi Corporation (Linfinity)	SN55452B	8, 20	CDIP, LCCC	-55 to 125	S
SG55453B	Microsemi Corporation (Linfinity)	SN55453B	8, 20	CDIP, LCCC	-55 to 125	S
SG55454B	Microsemi Corporation (Linfinity)	SN55454B	8	CDIP	-55 to 125	S
SG55461	Microsemi Corporation (Linfinity)	SN55451B	8, 20	CDIP, LCCC	-55 to 125	S
SG55462	Microsemi Corporation (Linfinity)	SN55462	8, 20	CDIP, LCCC	-55 to 125	S
SP202E	Sipex Corporation	MAX202	16	SOIC, TSSOP	0 to 70, -40 to 85	S
SP207	Sipex Corporation	MAX207	24	SOIC, SSOP	0 to 70, -40 to 85	S
SP208	Sipex Corporation	MAX208	24	PDIP, SOIC, SSOP	0 to 70, -40 to 85	S
SP232	Sipex Corporation	MAX232	16	PDIP, SOIC, SOP	0 to 70, -40 to 85	S
SP232A	Sipex Corporation	MAX202	16	SOIC, TSSOP	0 to 70, -40 to 85	S
SP232E	Sipex Corporation	MAX202	16	SOIC, TSSOP	0 to 70, -40 to 85	S
SP3220	Sipex Corporation	MAX3221E*	16	SSOP, TSSOP	0 to 70, -40 to 85	Q
SP3220B	Sipex Corporation	MAX3221E*	16	SSOP, TSSOP	0 to 70, -40 to 85	S
SP3220E	Sipex Corporation	MAX3221E*	16	SSOP, TSSOP	0 to 70, -40 to 85	S
SP3220EU	Sipex Corporation	SN75C3221	16	SOIC, SSOP, TSSOP	0 to 70	S
SP3222E	Sipex Corporation	MAX3222E	20, 24	QFN, SOIC, SSOP, TSSOP	0 to 70, -40 to 85	S
SP3222E	Sipex Corporation	SN75C3222	20	SOIC, SSOP, TSSOP	0 to 70	S
SP3223B	Sipex Corporation	MAX3223E	20, 24	QFN, SOIC, SSOP, TSSOP	0 to 70, -40 to 85	S
SP3232E	Sipex Corporation	MAX3232E	16	SOIC, SSOP, TSSOP	0 to 70, -40 to 85	S
SP3238	Sipex Corporation	MAX3238E	28	SOIC, SSOP	0 to 70, -40 to 85	S
SP3238E	Sipex Corporation	MAX3238E	28	SOIC, SSOP	0 to 70, -40 to 85	S

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## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
SP3238EE	Sipex Corporation	MAX3238E	28	SOIC, SSOP	0 to 70, -40 to 85	S
SP3243	Sipex Corporation	MAX3243E*	28, 32	QFN, SOIC, SSOP, TSSOP	0 to 70, -40 to 85	S
SP3243B	Sipex Corporation	MAX3243E*	28, 32	QFN, SOIC, SSOP, TSSOP	0 to 70, -40 to 85	S
SP3243E	Sipex Corporation	MAX3243E*	28, 32	QFN, SOIC, SSOP, TSSOP	0 to 70, -40 to 85	S
SP3243EB	Sipex Corporation	MAX3243E*	28, 32	QFN, SOIC, SSOP, TSSOP	0 to 70, -40 to 85	S
SP3243EU	Sipex Corporation	SN65C3243	28	SOIC, SSOP, TSSOP	-40 to 85	S
SP3243EU	Sipex Corporation	SN75C3243	28	SOIC, SSOP, TSSOP	0 to 70	S
SP34063A	Sipex Corporation	MC34063A*	8	PDIP, SOIC	0 to 70	S
SP485	Sipex Corporation	SN75176B	8	PDIP, SOIC, SOP	0 to 70	S
SP485E	Sipex Corporation	SN65176B	8	PDIP, SOIC	-40 to 105	S
SP485E	Sipex Corporation	SN75176B	8	PDIP, SOIC, SOP	0 to 70	S
SP491	Sipex Corporation	SN75ALS180	14	PDIP, SOIC	0 to 70	S
SP491E	Sipex Corporation	SN65ALS180	14	SOIC	-40 to 85	S
SP491E	Sipex Corporation	SN75ALS180	14	PDIP, SOIC	0 to 70	S
SPX1117	Sipex Corporation	TLV1117	2, 3, 4, 8	PFM, SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	S
SPX1117-1.8	Sipex Corporation	TLV1117-18	3, 4, 8	SON, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
SPX1117-18	Sipex Corporation	TLV1117-18	3, 4, 8	SON, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
SPX1117-2.5	Sipex Corporation	TLV1117-25	2, 3, 4, 8	PFM, SON, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
SPX1117-25	Sipex Corporation	TLV1117-25	2, 3, 4, 8	PFM, SON, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
SPX1117-3.3	Sipex Corporation	TLV1117-33	3, 4, 8	SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	S
SPX1117-33	Sipex Corporation	TLV1117-33	3, 4, 8	SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	S
SPX1117-50	Sipex Corporation	TLV1117-50	3, 4, 8	SON, SOT-223, TO-220, TO-252, TO-263	0 to 125, -40 to 125	S
SPX1117-L-1.8	Sipex Corporation	TLV1117-18	3, 4, 8	SON, SOT-223, TO-220, TO-252	0 to 125, -40 to 125	S
SPX2431	Sipex Corporation	TL432A	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
SPX2431A	Sipex Corporation	TL432B	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
SPX2431L	Sipex Corporation	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
SPX2431L	Sipex Corporation	TL431B	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
SPX2431L	Sipex Corporation	TL432A	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
SPX2431LA	Sipex Corporation	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
SPX2431LA	Sipex Corporation	TL431B	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
SPX2431LA	Sipex Corporation	TL432B	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
SPX4040	Sipex Corporation	LM4040D25*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
SPX4040A	Sipex Corporation	LM4040C25*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
SPX4041	Sipex Corporation	LM4041D12*	3, 5	SC70, SOT-23	-40 to 85, -40 to 125	S
SPX4041A	Sipex Corporation	LM4041D12*	3, 5	SC70, SOT-23	-40 to 85, -40 to 125	S
SPX431	Sipex Corporation	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
SPX431A	Sipex Corporation	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
SPX431A	Sipex Corporation	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
SPX431A	Sipex Corporation	TL431B	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
SPX431B	Sipex Corporation	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S

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## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
SPX431B	Sipex Corporation	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
SPX431B	Sipex Corporation	TL431B	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
SPX431L	Sipex Corporation	TL432A	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
SPX431LA	Sipex Corporation	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
SPX431LA	Sipex Corporation	TL431B	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
SPX431LA	Sipex Corporation	TL432B	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
SPX431LC	Sipex Corporation	TL432	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
SPX432	Sipex Corporation	TLV431*	3, 5	SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	Q
SPX432A	Sipex Corporation	TLV431*	3, 5	SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	Q
SPX432A	Sipex Corporation	TLV431A*	3, 5, 8	SOIC, SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	S
SPX5205-1.8	Sipex Corporation	LP2985A-18	5	SOT-23	-40 to 125	S
SPX5205-2.5	Sipex Corporation	LP2985A-25	5	Planned	-40 to 125	S
SPX5205-2.8	Sipex Corporation	LP2985A-28	5	SOT-23	-40 to 125	S
SPX5205-3.0	Sipex Corporation	LP2985A-30	5	Planned	-40 to 125	S
SPX5205-3.3	Sipex Corporation	LP2985A-33	5	SOT-23	-40 to 125	S
SPX5205-5.0	Sipex Corporation	LP2985A-50	5	Planned	-40 to 125	S
SS8218	Silicon Standard Corp.	UCC5630A	36, 48	LQFP, SSOP	0 to 70	S
SS8218	Silicon Standard Corp.	UCC5672	28, 36	SSOP, TSSOP	0 to 70	S
SSM2135	Analog Devices (ADI)	TPA6120A2	20	SO, PowerPAD	-40 to 85	S
SSM2141	Analog Devices (ADI)	INA134	8	PDIP, SOIC	-40 to 85	S
SSM2141	Analog Devices (ADI)	INA154	8	SOIC		S
SSM2142P	Analog Devices (ADI)	DRV134	8, 16	PDIP, SOIC		S
SSM2142S	Analog Devices (ADI)	DRV134	8, 16	PDIP, SOIC		S
SSM2143	Analog Devices (ADI)	INA137	8	PDIP, SOIC		S
SSM2143	Analog Devices (ADI)	INA157	8	SOIC		S
SSM2211	Analog Devices (ADI)	TPA6204A1	8	SON	-40 to 85	S
ST16C2550	Exar	TL16C2550	48	TQFP	0 to 70, -40 to 85	Q
ST202	ST Microelectronics	MAX202	16	SOIC, TSSOP	0 to 70, -40 to 85	Q
ST207	ST Microelectronics	MAX207	24	SOIC, SSOP	0 to 70, -40 to 85	Q
ST232	ST Microelectronics	MAX202	16	SOIC, TSSOP	0 to 70, -40 to 85	S
ST3232E	ST Microelectronics	MAX3232E	16	SOIC, SSOP, TSSOP	0 to 70, -40 to 85	S
ST3243E	ST Microelectronics	MAX3243E*	28, 32	QFN, SOIC, SSOP, TSSOP	0 to 70, -40 to 85	S
ST75185	ST Microelectronics	SN75185	20	PDIP, SOIC, SSOP, TSSOP	0 to 70	S
STLVDS050B	ST Microelectronics	SN65LVDS050	16	SOIC, TSSOP	-40 to 85	S
STLVDS104	ST Microelectronics	SN65LVDS104	16	SOIC, TSSOP	-40 to 85	S
STLVDS105	ST Microelectronics	SN65LVDS105	16	SOIC, TSSOP	-40 to 85	S
STLVDS31B	ST Microelectronics	SN65LVDS31	16	SOIC, SOP, TSSOP	-40 to 85	S
STLVDS32B	ST Microelectronics	SN65LVDS32	16	SOIC, SOP, TSSOP	-40 to 85	S
STLVDS3486B	ST Microelectronics	SN65LVDS3486	16	SOIC	-40 to 85	S
STLVDS3487B	ST Microelectronics	SN65LVDS3487	16	SOIC	-40 to 85	S
STLVDS9637B	ST Microelectronics	SN65LVDS9637	8	MSOP, SOIC	-40 to 85	S
TA75393	Toshiba Electronic Components	LM2903	8	MSOP, PDIP, SOIC, SOP, TSSOP	-40 to 125	S
TA75W393	Toshiba Electronic Components	LM393A	8	MSOP, PDIP, SOIC, SOP, TSSOP	0 to 70	S
TA79L012	Toshiba Electronic Components	MC79L12A	3, 8	SOIC, TO-92	0 to 125	S
TC1426	Microchip Technology (MCT)	UCC27423	8	MSOP, PDIP, SOIC	-40 to 105	S
TC1427	Microchip Technology (MCT)	UCC27424	8	MSOP, PDIP, SOIC	-40 to 105	S

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## Standard Linear Products Cross-Reference by Device

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TC1428	Microchip Technology (MCT)	UCC27425	8	MSOP, PDIP, SOIC	-40 to 105	S
TC426	Microchip Technology (MCT)	UCC27423	8	MSOP, PDIP, SOIC	-40 to 105	S
TC427	Microchip Technology (MCT)	UCC27424	8	MSOP, PDIP, SOIC	-40 to 105	S
TC428	Microchip Technology (MCT)	UCC27425	8	MSOP, PDIP, SOIC	-40 to 105	S
TC4423	Microchip Technology (MCT)	UCC27423	8	MSOP, PDIP, SOIC	-40 to 105	S
TC4424	Microchip Technology (MCT)	UCC27424	8	MSOP, PDIP, SOIC	-40 to 105	S
TC4426	Microchip Technology (MCT)	UCC27423	8	MSOP, PDIP, SOIC	-40 to 105	S
TC4427	Microchip Technology (MCT)	UCC27424	8	MSOP, PDIP, SOIC	-40 to 105	S
TC4428	Microchip Technology (MCT)	UCC27425	8	MSOP, PDIP, SOIC	-40 to 105	S
TCM809	Microchip Technology (MCT)	TPS3809L30	3	SOT-23	-40 to 85	S
TCM809	Telcom (Microchip Technology)	TPS3809L30	3	SOT-23	-40 to 85	S
TCN75	Microchip Technology (MCT)	TMP175	8	SOIC	-40 to 125	S
TCN75	Microchip Technology (MCT)	TMP75	8	MSOP, SOIC	-40 to 125	S
TDA8703	Philips Semiconductor	TLC7628	20	PDIP, SOIC		S
TEB1033	ST Microelectronics	TLE2022	8	PDIP, SOIC		Q
TEF1033	ST Microelectronics	TLE2022	8	PDIP, SOIC		Q
TJA1050	Philips Semiconductor	SN65HVD1050	8	SOIC	-40 to 125	S
TL061	ST Microelectronics	TL061	8	PDIP, SOIC, SOP	0 to 70, -40 to 85	S
TL061	ST Microelectronics	TLE2061AM	8, 10, 20	CDIP, CFP, LCCC	-55 to 125	S
TL061	ST Microelectronics	TLE2061B	8	CDIP	-55 to 125	S
TL061	ST Microelectronics	TLE2061M	8, 10, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
TL061	ST Microelectronics	TLE2161	8, 20	CDIP, LCCC, SOIC	0 to 70, -55 to 125	S
TL061	ST Microelectronics	TLE2161A	8, 20	CDIP, LCCC, SOIC	0 to 70, -55 to 125	S
TL061	ST Microelectronics	TLE2161B	8, 20	CDIP, LCCC	-55 to 125	S
TL061A	ST Microelectronics	TLE2061AM	8, 10, 20	CDIP, CFP, LCCC	-55 to 125	S
TL061A	ST Microelectronics	TLE2061B	8	CDIP	-55 to 125	S
TL061A	ST Microelectronics	TLE2061M	8, 10, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
TL061A	ST Microelectronics	TLE2161	8, 20	CDIP, LCCC, SOIC	0 to 70, -55 to 125	S
TL061A	ST Microelectronics	TLE2161A	8, 20	CDIP, LCCC, SOIC	0 to 70, -55 to 125	S
TL061A	ST Microelectronics	TLE2161B	8, 20	CDIP, LCCC	-55 to 125	S
TL061B	ST Microelectronics	TLE2061AM	8, 10, 20	CDIP, CFP, LCCC	-55 to 125	S
TL061B	ST Microelectronics	TLE2061B	8	CDIP	-55 to 125	S
TL061B	ST Microelectronics	TLE2061M	8, 10, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
TL061B	ST Microelectronics	TLE2161	8, 20	CDIP, LCCC, SOIC	0 to 70, -55 to 125	S
TL061B	ST Microelectronics	TLE2161A	8, 20	CDIP, LCCC, SOIC	0 to 70, -55 to 125	S
TL061B	ST Microelectronics	TLE2161B	8, 20	CDIP, LCCC	-55 to 125	S
TL062	ST Microelectronics	TL062	8, 10, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
TL062	ST Microelectronics	TLE2062AM	8, 10, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
TL062	ST Microelectronics	TLE2062B	8	CDIP	-55 to 125	S
TL062	ST Microelectronics	TLE2062M	8, 10, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
TL062A	ST Microelectronics	TL062	8, 10, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
TL062A	ST Microelectronics	TLE2062AM	8, 10, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
TL062A	ST Microelectronics	TLE2062B	8	CDIP	-55 to 125	S
TL062A	ST Microelectronics	TLE2062M	8, 10, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
TL062B	ST Microelectronics	TL062	8, 10, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
TL062B	ST Microelectronics	TLE2062AM	8, 10, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S

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## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
TL062B	ST Microelectronics	TLE2062B	8	CDIP	-55 to 125	S
TL062B	ST Microelectronics	TLE2062M	8, 10, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
TL064	ST Microelectronics	TL064	14, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
TL064	ST Microelectronics	TLE2064AM	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
TL064	ST Microelectronics	TLE2064BM	14, 20	CDIP, LCCC	-55 to 125	S
TL064	ST Microelectronics	TLE2064M	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
TL064A	ST Microelectronics	TL064	14, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
TL064A	ST Microelectronics	TLE2064AM	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
TL064A	ST Microelectronics	TLE2064BM	14, 20	CDIP, LCCC	-55 to 125	S
TL064A	ST Microelectronics	TLE2064M	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
TL064B	ST Microelectronics	TL064	14, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
TL064B	ST Microelectronics	TLE2064AM	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
TL064B	ST Microelectronics	TLE2064BM	14, 20	CDIP, LCCC	-55 to 125	S
TL064B	ST Microelectronics	TLE2064M	14, 20	CDIP, CFP, LCCC, SOIC	-55 to 125	S
TL071	ST Microelectronics	TL071	8	PDIP, SOIC, SOP	0 to 70, -40 to 85	Q
TL071	ST Microelectronics	TL071A	8	PDIP, SOIC	0 to 70	S
TL071	ST Microelectronics	TL071B	8	PDIP, SOIC	0 to 70	S
TL071	ST Microelectronics	TLC071	8	MSOP, PDIP, SOIC	0 to 70, -40 to 125	Q
TL071	ST Microelectronics	TLC071A	8	PDIP, SOIC	-40 to 125	Q
TL072	ST Microelectronics	TL072	8, 10, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
TL072	ST Microelectronics	TL072A	8	PDIP, SOIC, SOP	0 to 70	S
TL072	ST Microelectronics	TL072B	8	PDIP, SOIC	0 to 70	Q
TL072	ST Microelectronics	TLC072	8	MSOP, PDIP, SOIC	0 to 70, -40 to 125	Q
TL072A	ST Microelectronics	TL072A	8	PDIP, SOIC, SOP	0 to 70	S
TL074	ST Microelectronics	TL074	14, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	Q
TL074	ST Microelectronics	TL074A	14	PDIP, SOIC, SOP	0 to 70	Q
TL074	ST Microelectronics	TL074B	14	PDIP, SOIC, SOP	0 to 70	Q
TL074	ST Microelectronics	TL084	14, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
TL074	ST Microelectronics	TLC074	14, 20	HTSSOP, PDIP, SOIC	0 to 70, -40 to 125	Q
TL074A	ST Microelectronics	TL074	14, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
TL074A	ST Microelectronics	TL084	14, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
TL074B	ST Microelectronics	TL074	14, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
TL074B	ST Microelectronics	TL084	14, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
TL081	National Semiconductor	TL081	8	PDIP, SOIC, SOP	0 to 70, -40 to 85	S
TL081	On Semiconductor	TL081	8	PDIP, SOIC, SOP	0 to 70, -40 to 85	S
TL081	ST Microelectronics	TL081	8	PDIP, SOIC, SOP	0 to 70, -40 to 85	S
TL081	On Semiconductor	TL081A	8	PDIP, SOIC	0 to 70	S
TL081	ST Microelectronics	TL081A	8	PDIP, SOIC	0 to 70	S
TL081	On Semiconductor	TL081B	8	PDIP, SOIC	0 to 70	S
TL081	ST Microelectronics	TL081B	8	PDIP, SOIC	0 to 70	S
TL081	ST Microelectronics	TLC081	8	MSOP, PDIP, SOIC	0 to 70, -40 to 125	Q
TL081	ST Microelectronics	TLC081A	8	PDIP, SOIC	-40 to 125	Q
TL082	ST Microelectronics	TL072	8, 10, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
TL082	National Semiconductor	TL082	8, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
TL082	ST Microelectronics	TL082	8, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
TL082	National Semiconductor	TL082A	8	PDIP, SOIC, SOP	0 to 70	S
TL082	On Semiconductor	TL082A	8	PDIP, SOIC, SOP	0 to 70	S
TL082	ST Microelectronics	TL082A	8	PDIP, SOIC, SOP	0 to 70	Q
TL082	National Semiconductor	TL082B	8	PDIP, SOIC	0 to 70	S

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Usage Code: **S**=Equivalent, **Q**=Same functionality and pinout but not exact equivalent

\* **Must-Have product**

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
TL082	On Semiconductor	TL082B	8	PDIP, SOIC	0 to 70	S
TL082	ST Microelectronics	TL082B	8	PDIP, SOIC	0 to 70	S
TL082	ST Microelectronics	TLC082	8	MSOP, PDIP, SOIC	0 to 70, -40 to 125	Q
TL082	ST Microelectronics	TLC082A	8	PDIP, SOIC	-40 to 125	Q
TL082B	National Semiconductor	TL082A	8	PDIP, SOIC, SOP	0 to 70	S
TL082B	National Semiconductor	TL082B	8	PDIP, SOIC	0 to 70	S
TL084	ST Microelectronics	OPA4131	14, 16	PDIP, SOIC		S
TL084	ST Microelectronics	TL074	14, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
TL084	ST Microelectronics	TL084	14, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	Q
TL084	On Semiconductor	TL084A	14	PDIP, SOIC, SOP	0 to 70	S
TL084	ST Microelectronics	TL084A	14	PDIP, SOIC, SOP	0 to 70	S
TL084	On Semiconductor	TL084B	14	PDIP, SOIC	0 to 70	S
TL084	ST Microelectronics	TL084B	14	PDIP, SOIC	0 to 70	S
TL084	ST Microelectronics	TLC084	14, 20	HTSSOP, PDIP, SOIC	0 to 70, -40 to 125	Q
TL084	ST Microelectronics	TLC084A	14, 20	HTSSOP, PDIP, SOIC	-40 to 125	Q
TL084A	ST Microelectronics	TL074	14, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
TL084A	ST Microelectronics	TL084	14, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
TL084A	On Semiconductor	TL084A	14	PDIP, SOIC, SOP	0 to 70	S
TL084B	ST Microelectronics	TL074	14, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
TL084B	ST Microelectronics	TL084	14, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
TL1431	ST Microelectronics	TL1431	3, 8	SOIC, TO-92, TSSOP	0 to 70, -40 to 125	S
TL431	Fairchild Semiconductor	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TL431	On Semiconductor	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TL431	Philips Semiconductor	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TL431	ST Microelectronics	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TL431	Vishay Siliconix (SI)	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TL431	Fairchild Semiconductor	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TL431	On Semiconductor	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TL431	ST Microelectronics	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TL431	On Semiconductor	TL431B	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TL431	ST Microelectronics	TL431B	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TL431	Vishay Siliconix (SI)	TL432	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
TL431	Fairchild Semiconductor	TLV431*	3, 5	SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	S
TL431	Fairchild Semiconductor	TLVH431*	3, 5, 6	SC70, SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	S
TL431A	Fairchild Semiconductor	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TL431A	On Semiconductor	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TL431A	ST Microelectronics	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TL431A	Vishay Siliconix (SI)	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
TL431A	Fairchild Semiconductor	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TL431A	On Semiconductor	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TL431A	Philips Semiconductor	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TL431A	ST Microelectronics	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TL431A	Vishay Siliconix (SI)	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TL431A	On Semiconductor	TL431B	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TL431A	ST Microelectronics	TL431B	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TL431A	Vishay Siliconix (SI)	TL432A	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
TL431B	On Semiconductor	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TL431B	On Semiconductor	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TL431B	On Semiconductor	TL431B	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TL431B	ST Microelectronics	TLV431B*	3, 5, 6	SC70, SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	S
TL494	Fairchild Semiconductor	TL494	16	PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70, -40 to 85	S
TL495	Fairchild Semiconductor	TL494	16	PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70, -40 to 85	S
TL496	Fairchild Semiconductor	TL494	16	PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70, -40 to 85	S
TLC556M	Intersil	TLC556M	14, 20	CDIP, LCCC, SOIC	-55 to 125	S
TLV431A	On Semiconductor	TLV431*	3, 5	SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	S
TLV431A	On Semiconductor	TLV431A*	3, 5, 8	SOIC, SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	S
TLV431B	On Semiconductor	TLV431*	3, 5	SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	S
TLV431B	On Semiconductor	TLV431B*	3, 5, 6	SC70, SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	S
TMC1175A	Raytheon Semiconductor	TLC5510A	24	SOP	-20 to 75	S
TS2431	ST Microelectronics	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TS2431A	ST Microelectronics	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TS2431B	ST Microelectronics	TL431B	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TS271	SGS-Thomson (SGS)	TLC271	8	PDIP, SOIC, SOP, TSSOP	0 to 70, -55 to 125	S
TS271	ST Microelectronics	TLC271	8	PDIP, SOIC, SOP, TSSOP	0 to 70, -55 to 125	Q
TS271A	ST Microelectronics	TLC271	8	PDIP, SOIC, SOP, TSSOP	0 to 70, -55 to 125	S
TS271B	ST Microelectronics	TLC271	8	PDIP, SOIC, SOP, TSSOP	0 to 70, -55 to 125	S
TS272	SGS-Thomson (SGS)	TLC272	8	PDIP, SOIC, SOP, TSSOP	0 to 70	S
TS272	ST Microelectronics	TLC272	8	PDIP, SOIC, SOP, TSSOP	0 to 70	Q
TS274	SGS-Thomson (SGS)	TLC274	14	PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70, -55 to 125	S
TS274	ST Microelectronics	TLC274	14	PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70, -55 to 125	Q
TS274A	ST Microelectronics	TLC274	14	PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70, -55 to 125	S
TS274B	ST Microelectronics	TLC274	14	PDIP, SOIC, SOP, SSOP, TSSOP	0 to 70, -55 to 125	S
TS27L2	SGS-Thomson (SGS)	TLC27L2	8	PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S

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Usage Code: **S**=Equivalent, **Q**=Same functionality and pinout but not exact equivalent

\* **Must-Have product**

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
TS27L2	ST Microelectronics	TLC27L2	8	PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
TS27L2	ST Microelectronics	TLC27L7	8	PDIP, SOIC, SOP		S
TS27L2	ST Microelectronics	TLC27M2	8	PDIP, SOIC, SOP, TSSOP		Q
TS27L2	ST Microelectronics	TLC27M7	8	PDIP, SOIC, SOP		Q
TS27L2	ST Microelectronics	TLV27L2	8	MSOP, SOIC	0 to 70, -40 to 125	S
TS27L2A	ST Microelectronics	TLC27L2	8	PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
TS27L2B	ST Microelectronics	TLC27L2	8	PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
TS27L4	SGS-Thomson (SGS)	TLC27L4	14	PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85	S
TS27L4	ST Microelectronics	TLC27L4	14	PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85	S
TS27L4	ST Microelectronics	TLC27L9	14	PDIP, SOIC, SOP		S
TS27L4	ST Microelectronics	TLC27M4	14	PDIP, SOIC, SOP, TSSOP		Q
TS27L4	ST Microelectronics	TLC27M9	14	PDIP, SOIC		Q
TS27M2	ST Microelectronics	TLC27L2	8	PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	Q
TS27M2	ST Microelectronics	TLC27L7	8	PDIP, SOIC, SOP		Q
TS27M2	SGS-Thomson (SGS)	TLC27M2	8	PDIP, SOIC, SOP, TSSOP		S
TS27M2	ST Microelectronics	TLC27M2	8	PDIP, SOIC, SOP, TSSOP		Q
TS27M2	ST Microelectronics	TLC27M7	8	PDIP, SOIC, SOP		Q
TS27M2A	ST Microelectronics	TLC27M2	8	PDIP, SOIC, SOP, TSSOP		S
TS27M2B	ST Microelectronics	TLC27M2	8	PDIP, SOIC, SOP, TSSOP		S
TS27M4	ST Microelectronics	TLC27L4	14	PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85	Q
TS27M4	ST Microelectronics	TLC27L9	14	PDIP, SOIC, SOP		Q
TS27M4	SGS-Thomson (SGS)	TLC27M4	14	PDIP, SOIC, SOP, TSSOP		S
TS27M4	ST Microelectronics	TLC27M4	14	PDIP, SOIC, SOP, TSSOP		Q
TS27M4	ST Microelectronics	TLC27M9	14	PDIP, SOIC		Q
TS321	ST Microelectronics	TS321	5, 8	SOIC, SOT-23	-40 to 85	S
TS321A	ST Microelectronics	TS321	5, 8	SOIC, SOT-23	-40 to 85	S
TS339	SGS-Thomson (SGS)	TLC339	14	PDIP, SOIC, SOP, SSOP, TSSOP	-55 to 125	S
TS339	ST Microelectronics	TLC339	14	PDIP, SOIC, SOP, SSOP, TSSOP	-55 to 125	S
TS3702	SGS-Thomson (SGS)	TLC3702	8, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
TS3702	ST Microelectronics	TLC3702	8, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
TS3704	SGS-Thomson (SGS)	TLC3704	14, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
TS3704	ST Microelectronics	TLC3704	14, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -55 to 125	S
TS372	SGS-Thomson (SGS)	TLC372	8	PDIP, SOIC, SOP, TSSOP	-40 to 125	S
TS372	ST Microelectronics	TLC372	8	PDIP, SOIC, SOP, TSSOP	-40 to 125	S
TS374	SGS-Thomson (SGS)	TLC374	14, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	-55 to 125	S
TS374	ST Microelectronics	TLC374	14, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	-55 to 125	S
TS393	SGS-Thomson (SGS)	TLC393	8	PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TS393	ST Microelectronics	TLC393	8	PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TS3V555	SGS-Thomson (SGS)	TLC551	8	PDIP, SOIC		S
TS3V555	ST Microelectronics	TLC551	8	PDIP, SOIC		S
TS4040D-2.5	ST Microelectronics	LM4040D25*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
TS4040E-2.5	ST Microelectronics	LM4040D25*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
TS4041C-1.2	ST Microelectronics	LM4041C12*	3, 5	SC70, SOT-23, TO-92	-40 to 85, -40 to 125	S
TS4041D-1.2	ST Microelectronics	LM4041D12*	3, 5	SC70, SOT-23	-40 to 85, -40 to 125	S
TS4041E-1.2	ST Microelectronics	LM4041D12*	3, 5	SC70, SOT-23	-40 to 85, -40 to 125	S
TS431	ST Microelectronics	TLV431*	3, 5	SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	S

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
TS431A	ST Microelectronics	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
TS431A	ST Microelectronics	TLV431*	3, 5	SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	S
TS431A	ST Microelectronics	TLV431A*	3, 5, 8	SOIC, SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	S
TS431B	ST Microelectronics	TLV431*	3, 5	SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	S
TS431B	ST Microelectronics	TLV431B*	3, 5, 6	SC70, SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	S
TS432	ST Microelectronics	TLV431A*	3, 5, 8	SOIC, SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	S
TS432A	ST Microelectronics	TLV431B*	3, 5, 6	SC70, SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	S
TS4990	ST Microelectronics	TPA6204A1	8	SON	-40 to 85	S
TS555	SGS-Thomson (SGS)	TLC555	8, 14, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
TS555	ST Microelectronics	TLC555	8, 14, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
TS613	ST Microelectronics	OPA2613	8	HSOP, SOIC	-40 to 85	Q
TS912	ST Microelectronics	TLC2262	8	PDIP, SOIC, TSSOP	0 to 70, -40 to 125	Q
TS912	ST Microelectronics	TLC27M7	8	PDIP, SOIC, SOP		Q
TS914	ST Microelectronics	TLC2264	14	PDIP, SOIC, TSSOP	0 to 70, -40 to 125	Q
TS922	ST Microelectronics	TLC2272	8	PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 125	Q
TS922	ST Microelectronics	TLV2262	8	PDIP, SOIC, TSSOP	-40 to 125	Q
TS924	ST Microelectronics	TLC2274	14, 20	CDIP, CFP, LCCC, PDIP, SOIC, SOP, TSSOP, XCEPT	0 to 70, -40 to 125, -55 to 125	Q
TS931	ST Microelectronics	TLV2711	5	SOT-23	0 to 70, -40 to 85	Q
TS932	ST Microelectronics	TLC27L7	8	PDIP, SOIC, SOP		S
TS932	ST Microelectronics	TLV2422	8, 10, 20	CDIP, CFP, LCCC, SOIC, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	Q
TSC626	Maxim	UCC27423	8	MSOP, PDIP, SOIC	-40 to 105	S
TSC627	Maxim	UCC27424	8	MSOP, PDIP, SOIC	-40 to 105	S
TSC628	Maxim	UCC27425	8	MSOP, PDIP, SOIC	-40 to 105	S
TSH24	ST Microelectronics	TL054	14	PDIP, SOIC, SOP, SSOP	0 to 70, -40 to 85	Q
TSH71	ST Microelectronics	TLC071	8	MSOP, PDIP, SOIC	0 to 70, -40 to 125	Q
TSH72	ST Microelectronics	TLC072	8	MSOP, PDIP, SOIC	0 to 70, -40 to 125	Q
TSH74	ST Microelectronics	TLC074	14, 20	HTSSOP, PDIP, SOIC	0 to 70, -40 to 125	Q
TSH75	ST Microelectronics	TLC075	16, 20	HTSSOP, PDIP, SOIC	0 to 70, -40 to 125	Q
UA723	Philips Semiconductor	UA723	14	PDIP, SOIC, SOP	0 to 70	Q
UC1524A	Microsemi Corporation (Linfity)	UC1524A	16, 20	CDIP, LCCC	-55 to 125	S
UC1524A	Semelab PLC	UC1524A	16, 20	CDIP, LCCC	-55 to 125	S
UC1525A	Microsemi Corporation (Linfity)	UC1525A	16, 20	CDIP, LCCC	-55 to 125	S
UC1525A	Semelab PLC	UC1525A	16, 20	CDIP, LCCC	-55 to 125	S
UC1525B	Microsemi Corporation (Linfity)	UC1525B	16, 20	CDIP, LCCC	-55 to 125	S
UC1525B	Semelab PLC	UC1525B	16, 20	CDIP, LCCC	-55 to 125	S
UC1526	Microsemi Corporation (Linfity)	UC1526	18, 20	CDIP, LCCC	-55 to 125	S
UC1526A	Microsemi Corporation (Linfity)	UC1526A	18, 20	CDIP, LCCC	-55 to 125	S
UC1527A	Microsemi Corporation (Linfity)	UC1527A	16, 20	CDIP, LCCC	-55 to 125	S
UC1527A	Semelab PLC	UC1527A	16, 20	CDIP, LCCC	-55 to 125	S
UC1543	Microsemi Corporation (Linfity)	UC1543	16, 20	CDIP, LCCC	-55 to 125	S
UC1825	Microsemi Corporation (Linfity)	UC1825	16, 20	CDIP, CFP, LCCC	-55 to 125	S
UC1825A	Microsemi Corporation (Linfity)	UC1825A	16, 20	CDIP, LCCC	-55 to 125	S

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Usage Code: **S**=Equivalent, **Q**=Same functionality and pinout but not exact equivalent

\* **Must-Have product**



## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
UC1842	Microsemi Corporation (Linfinitiy)	UC1842	8, 14, 20	CDIP, CFP, LCCC	-55 to 125	S
UC1842	Semelab PLC	UC1842	8, 14, 20	CDIP, CFP, LCCC	-55 to 125	S
UC1842A	Microsemi Corporation (Linfinitiy)	UC1842	8, 14, 20	CDIP, CFP, LCCC	-55 to 125	S
UC1842A	Microsemi Corporation (Linfinitiy)	UC1842A	8, 20	CDIP, LCCC	-55 to 125	S
UC1843	Microsemi Corporation (Linfinitiy)	UC1843	8, 14, 20	CDIP, CFP, LCCC	-55 to 125	S
UC1843	Semelab PLC	UC1843	8, 14, 20	CDIP, CFP, LCCC	-55 to 125	S
UC1843A	Microsemi Corporation (Linfinitiy)	UC1843	8, 14, 20	CDIP, CFP, LCCC	-55 to 125	S
UC1843A	Microsemi Corporation (Linfinitiy)	UC1843A	8, 20	CDIP, LCCC	-55 to 125	S
UC1844	Microsemi Corporation (Linfinitiy)	UC1844	8, 14, 20	CDIP, CFP, LCCC	-55 to 125	S
UC1844	Semelab PLC	UC1844	8, 14, 20	CDIP, CFP, LCCC	-55 to 125	S
UC1844A	Microsemi Corporation (Linfinitiy)	UC1844	8, 14, 20	CDIP, CFP, LCCC	-55 to 125	S
UC1844A	Microsemi Corporation (Linfinitiy)	UC1844A	8, 20	CDIP, LCCC	-55 to 125	S
UC1845	Microsemi Corporation (Linfinitiy)	UC1845	8, 14, 20	CDIP, CFP, LCCC	-55 to 125	S
UC1845	Semelab PLC	UC1845	8, 14, 20	CDIP, CFP, LCCC	-55 to 125	S
UC1845A	Microsemi Corporation (Linfinitiy)	UC1845	8, 14, 20	CDIP, CFP, LCCC	-55 to 125	S
UC1845A	Microsemi Corporation (Linfinitiy)	UC1845A	8, 20	CDIP, LCCC	-55 to 125	S
UC1846	Microsemi Corporation (Linfinitiy)	UC1846	16, 20	CDIP, LCCC	-55 to 125	S
UC1856	Microsemi Corporation (Linfinitiy)	UC1856	16, 20	CDIP, LCCC	-55 to 125	S
UC1903	Burlington Microelectronics	UC1903	18, 20	CDIP, LCCC	-55 to 125	S
UC2842	ST Microelectronics	UC2842	8, 14, 16	PDIP, SOIC	-40 to 85	S
UC2842A	On Semiconductor	UC2842A	8, 14, 16	PDIP, SOIC	-40 to 85	S
UC2843A	On Semiconductor	UC2843A	8, 14, 16, 20	PDIP, PLCC, SOIC	-40 to 85	S
UC3525A	Fairchild Semiconductor	UC3525A	16, 20	CDIP, PDIP, PLCC, SOIC	0 to 70	S
UC3842	Fairchild Semiconductor	TL3842	8, 14	PDIP, SOIC	0 to 70	S
UC3842	Motorola (MOT)	UC3842	8, 14	CDIP, PDIP, SOIC	0 to 70	S
UC3842	Philips Semiconductor	UC3842	8, 14	CDIP, PDIP, SOIC	0 to 70	S
UC3842	SGS-Thomson (SGS)	UC3842	8, 14	CDIP, PDIP, SOIC	0 to 70	S
UC3842	Signetics (Philips)	UC3842	8, 14	CDIP, PDIP, SOIC	0 to 70	S
UC3842A	Fairchild Semiconductor	UC3842A	8, 14, 16	CDIP, PDIP, SOIC	0 to 70	S
UC3843	Fairchild Semiconductor	TL3843	8, 14	PDIP, SOIC	0 to 70	S
UC3843	Motorola (MOT)	UC3843	8, 14	CDIP, PDIP, SOIC	0 to 70	S
UC3843	SGS-Thomson (SGS)	UC3843	8, 14	CDIP, PDIP, SOIC	0 to 70	S
UC3843A	Fairchild Semiconductor	UC3843A	8, 14	CDIP, PDIP, SOIC	0 to 70	S
UC3844	Fairchild Semiconductor	TL3844	8, 14	PDIP, SOIC	0 to 70	S
UC3844	Motorola (MOT)	UC3844	8, 14	CDIP, PDIP, SOIC	0 to 70	S
UC3844	SGS-Thomson (SGS)	UC3844	8, 14	CDIP, PDIP, SOIC	0 to 70	S
UC3845	Fairchild Semiconductor	TL3845	8, 14	PDIP, SOIC	0 to 70	S
UC3845	Motorola (MOT)	UC3845	8, 14	CDIP, PDIP, SOIC	0 to 70	S
UC3845	SGS-Thomson (SGS)	UC3845	8, 14	CDIP, PDIP, SOIC	0 to 70	S
UC3846	Fairchild Semiconductor	UC3846	16, 20	CDIP, PDIP, PLCC, SOIC	0 to 70	S
ULN2803A	ST Microelectronics	ULN2803A	18	PDIP, SOIC	-40 to 85	S
ULN2803A	Toshiba Electronic Components	ULN2803A	18	PDIP, SOIC	-40 to 85	S
UPC1251	NEC Electronics	OPA1013	8	PDIP		S
UPC1944	Toshiba Electronic Components	TLVH431*	3, 5, 6	SC70, SOT-23, SOT-89, TO-92	0 to 70, -40 to 85, -40 to 125	S

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\* **Must-Have product**

## Standard Linear Products Cross-Reference by Device

Competitor Generic Device	Competitor	TI Equivalent Device	Pin Count	Available Packages	Temperature Ranges	Usage Code
UPC4081	NEC Electronics	TL081A	8	PDIP, SOIC	0 to 70	S
UPC4081	NEC Electronics	TL081B	8	PDIP, SOIC	0 to 70	S
UPC4082	NEC Electronics	TL082A	8	PDIP, SOIC, SOP	0 to 70	S
UPC4082	NEC Electronics	TL082B	8	PDIP, SOIC	0 to 70	S
UPC4084	NEC Electronics	TL084A	14	PDIP, SOIC, SOP	0 to 70	S
UPC4084	NEC Electronics	TL084B	14	PDIP, SOIC	0 to 70	S
UPC4560	NEC Electronics	RC4560	8	PDIP, SOIC, TSSOP	-40 to 85	S
UPD5555	NEC Electronics	TLC555	8, 14, 20	CDIP, LCCC, PDIP, SOIC, SOP, TSSOP	0 to 70, -40 to 85, -40 to 125, -55 to 125	S
UPD7528	NEC Electronics	TLC7528	20	PDIP, PLCC, SOIC, SOP, TSSOP	0 to 70, -25 to 85, -40 to 85	S
V6309	EM Microelectronic-Marin SA	TPS3809L30	3	SOT-23	-40 to 85	S
WM8716	Wolfson Microelectronics	PCM1716	28	SSOP		S
WM8720	Wolfson Microelectronics	PCM1720	20	SSOP		S
WM8725	Wolfson Microelectronics	PCM1725	14	SOIC		S
WM8733	Wolfson Microelectronics	PCM1733	14	SOIC		S
XR16L2550	Exar	TL16C2550	48	TQFP	0 to 70, -40 to 85	Q
ZHT431	Zetex Semiconductors	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
ZHT431	Zetex Semiconductors	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
ZHT431	Zetex Semiconductors	TL432	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
ZHT431	Zetex Semiconductors	TL432A	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
ZR431	Zetex Semiconductors	TL431	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
ZR431	Zetex Semiconductors	TL431A	3, 5, 6, 8	PDIP, SC70, SOIC, SOP, SOT-23, SOT-89, TO-92, TSSOP	0 to 70, -40 to 85, -40 to 125	S
ZR431	Zetex Semiconductors	TL432A	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
ZR431	Zetex Semiconductors	TL432B	3, 5	SOT-23, SOT-89	0 to 70, -40 to 85, -40 to 125	S
ZXCM209	Zeltex	TPS3809L30	3	SOT-23	-40 to 85	S

## Packaging Information and Cross-Reference by Manufacturer

Competitor® Package	Equivalent TI Package	Package Type	Pin Count for TI Packages
<b>ANALOG DEVICES (ADI)</b>			
KS	DCK	SC-70	5
N	P	PDIP	8
	N	PDIP	14, 16, 20, 24, 28
N8	P	PDIP	8
P	P	PDIP	8
	N	PDIP	14, 16, 20, 24, 28
R, RN	D	SOIC	8, 14, 16
RM	DGK	MSOP	8
	DGS	MSOP	10
R, RW	DW	SOIC Wide (SOWB)	16, 20, 24, 28
RS	DB	SSOP	14, 16, 20, 24,
			28, 30, 38
RT	DBV	SOT-23	5
RU	PW	TSSOP	8, 14, 16, 20, 24, 28
S	D	SOIC	8, 14, 16
S	DW	SOIC Wide (SOWB)	16, 20, 24, 28
T9	LP, LPM	TO-92	3
U	PW	TSSOP	8, 14, 16, 20, 24, 28
RL, RL7, REEL, REEL7	R suffix	Tape & Reel	
<b>FAIRCHILD</b>			
C8	D	SOIC	8
D	D	SOIC	8, 14, 16
D	KTP*	DPAK (TO-252)	3
DT	KTP*	DPAK (TO-252)	3
G	PW	TSSOP	8, 14, 16, 20, 24, 28
		SSOP	20
K8	DCU	SOT	8
M, M8, M14, etc.	D	SOIC	8, 14, 16
M, M8	DGK	MSOP	8
M, M5	DBV	SOT-23	5
M	DCK	SC-70	5
M	D	SOIC	8, 14, 16
M	KTE*	TO-263	3
M	PK	SOT-89	3
MA	DGK	MSOP	8
MC		TO-263 (Center Cut)	
MCT	PW	TSSOP	20
MEA	DL	SSOP	28, 48, 56
MSA	DB	SSOP	14, 16, 20, 24,
			28, 30, 38
MT, MTC	PW	TSSOP	8, 14, 16, 20, 24, 28
MTD	DGG	TSSOP	48, 56, 64
MU, MU8	DGK	MSOP	8

\*Denotes one-way compatibility: TI package CAN fit on competitor® land pattern but not vice versa

Competitor® Package	Equivalent TI Package	Package Type	Pin Count for TI Packages
<b>FAIRCHILD (Continued)</b>			
N	P	PDIP	8
	N	PDIP	14, 16, 20, 24, 28
P	KTG	SPAK/ PowerFlex	5
P	LP	TO-92	3
P	P	PDIP	8
	N	PDIP	14, 16, 20, 24, 28
P, P8, P14, etc.	PW	TSSOP	8, 14, 16, 20, 24, 28
P5	DCK	SC-70	5
PC	P	PDIP	8
	N	PDIP	14, 16, 20, 24, 28
QSC	DBQ	SSOP	16, 20, 24
R	DBV	SOT-23	5
R	KTP*	DPAK (TO-252)	3
RR	KTE*	TO-263	3
S	DCY	SOT-223	4
S5	DCK	SC-70	5
SC	D	SOIC	14, 16
SC	DW	SOIC Wide (SOWB)	16, 20, 24, 28
SPC	P	PDIP	8
	N	PDIP	14, 16, 20, 24, 28
SSC	DL	SSOP	28, 48, 56
T	LP	TO-92	3
T5	DBV	SOT-23	5
T, TA, TU	KC	TO-220	3
WM	DW	SOIC Wide (SOWB)	16, 20, 24, 28
X1TL	LP	TO-92	3
Z	LP	TO-92	3
X, XM, T, TF, TM, TR3, STF	R suffix	Tape & Reel	
XA, TA suffix	M suffix	Ammo Pack	
<b>INTERSIL</b>			
B, BA	D	SOIC	8, 14, 16
E	P	PDIP	8
	N	PDIP	14, 16, 20, 24, 28
H	DBV	SOT23	5
J	P	PDIP	8
	N	PDIP	14, 16, 20, 24, 28
M	D	SOIC	8, 14, 16
N	P	PDIP	8
	N	PDIP	14, 16, 20, 24, 28
P, PA, PD	P	PDIP	8
	N	PDIP	14, 16, 20, 24, 28
V	PW	TSSOP	8, 14, 16, 20, 24, 28
T, 96 suffix	R suffix	Tape & Reel	

\*Denotes one-way compatibility: TI package CAN fit on competitor® land pattern but not vice versa

## Packaging Information and Cross-Reference by Manufacturer

Competitor® Package	Equivalent TI Package	Package Type	Pin Count for TI Packages
<b>LINEAR TECHNOLOGY</b>			
F, FW	PW	TSSOP	8, 14, 16, 20, 24, 28
G, GW	DB	SSOP	14, 16, 20, 24, 28, 30, 38
M	KTE*	DDPAK (TO-263)	3
MS8, MS10	DGK, DGS	MSOP	8, 10
N8	P	PDIP	8
N	N	PDIP	14, 16, 20, 24, 28
NW	NT	PDIP	24, 28
Q	KTG*	DDPAK (TO-263)	5
S5	DBV	SOT-23	5
S8	D	SOIC	8
S	D	SOIC	8, 14, 16
ST	DCY	SOT-223	4
SW	DW	SOIC Wide (SOWB)	16, 20, 24, 28
T	T	TO-220	3
Z	LP, LPM	TO-92	3
#TR, T/R suffix	R suffix	Tape & Reel	
<b>MAXIM**</b>			
A pin # code	DB	SSOP	<b>PIN # CODE</b> R = 3 K = 5 T = 6 A = 8 D = 14 E = 16 N = 18 P = 20 I = 28
C pin # code	KC	TO-220	
N pin # code	P	PDIP	
	N	PDIP	
P pin # code	P	PDIP	
	N, P	PDIP	
S pin # code	D	SOIC	
U pin # code	DBV	SOT-23	
U pin # code	PW	TSSOP	
U pin # code	DCY	SOT-223	
W pin # code	DW	SOIC Wide (SOWB)	
X pin # code	DCK	SC-70	
Z pin # code	LP, LPM	TO-92	
T suffix	R suffix	Tape & Reel	
<b>MICREL</b>			
C5	DCK	SC-70	5
M5	DBV	SOT-23	5
N	P	PDIP	8
	N	PDIP	14, 16, 20, 24, 28
R	KTG	SPAK/PowerFlex	5
S	DCY	SOT-223	4
SM	DB	SSOP	20, 24, 28
T	KC	TO-220	3
TS	PW	TSSOP	8, 14, 16, 20, 24, 28

\* Denotes one-way compatibility: TI package CAN fit on competitor® land pattern but not vice versa

\*\* Example: MAX3221CUET comes in TSSOP (U), 16 (E) pin, Tape & Reel (T)

Competitor® Package	Equivalent TI Package	Package Type	Pin Count for TI Packages
<b>MICREL (Continued)</b>			
U	KTG*	TO-263	3
	KTE*	TO-263	5
WM	DW	SOIC Wide (SOWB)	16, 20, 24, 28
Z	LP, LPM	TO-92	3
T & R suffix	R suffix	Tape & Reel	
AP suffix	M suffix	Ammo Pack	
<b>NATIONAL</b>			
DT	KTP*	DPAK (TO-252)	3
M	NS, PS	SOP	8, 14, 16
M	D	SOIC	8, 14, 16
M5	DBV	SOT-23	5
M7	DCK	SC-70	5
MA	D	SOIC	8, 14, 16
ME	DL	SSOP	28, 48, 56
MEB, MEC, MED	DB	SSOP	14, 16, 20, 24, 28, 30, 38
MF	DBV	SOT-23	5
MG	DCK	SC-70	5
MM	DGK	MINI SOIC (MSOP)	8
	DGS	MINI SOIC (MSOP)	10
MP	DCY	SOT-223	4
MQ, MQA	DB	SSOP	14, 16, 20, 24, 28, 30, 38
MS, MSA, MSC	DB	SSOP	14, 16, 20, 24, 28, 30, 38
MT	PW	TSSOP	8, 14, 16, 20, 24, 28
MW	DW	SOIC Wide (SOWB)	16, 20, 24, 28
N, NA	P	PDIP	8
	N	PDIP	14, 16, 20, 24, 28
N8	P	PDIP	8
N14	N	PDIP	14
R	LP, LPM	TO-92	3
S	KTE*	TO-263	3
	KTG*	TO-263	5
T	KC	TO-220	3
TA	KC	TO-220	3
TD	KTP*	DPAK (TO-252)	3
TS	KTE*	TO-263	3
	KTG*	TO-263	5
WM	DW	SOIC Wide (SOWB)	16, 20, 24, 28
Z	LP, LPM	TO-92	3
ZA	LP, LPM	TO-92	3
X suffix	R suffix	Tape & Reel	

\* Denotes one-way compatibility: TI package CAN fit on competitor® land pattern but not vice versa

## Packaging Information and Cross-Reference by Manufacturer

Competitor® Package	Equivalent TI Package	Package Type	Pin Count for TI Packages
<b>MOTOROLA/ON</b>			
CP	P N	PDIP PDIP	8 14, 16, 20, 24, 28
D, D1, D2	D	SOIC	8, 14, 16
D2T	KTE* KTG*	D2PAK (TO-263) D2PAK (TO-263)	3 5
DF	DCK	SC-70	5
DM	DGK	MSOP (MICRO-8)	8
DP, DP3	KTE*	D2PAK (TO-263)	3
DT	DCK	SC-70	5
DT	DGG	TSSOP	48, 56, 64
DT	KTP*	DPAK (TO-252)	3
DT, DTB	PW	TSSOP	8, 14, 16, 20, 24, 28
DW	DW	SOIC Wide (SOWB)	16, 20, 24, 28
F	PS NS	SOP SOP	8 14, 16, 20, 24
H	P N	PDIP PDIP	8 14, 16, 20, 24, 28
KC	KC	TO-220	3
LP	Z	TO-92	3
M	DB	SSOP	14, 16, 20, 24, 28, 30, 38
M	PS NS	SOP SOP	8 14, 16, 20, 24
N	P N	PDIP PDIP	8 14, 16, 20, 24, 28
N8	P	PDIP	8
P	LP, LPM	TO-92	3
P, P1, P2	P N	PDIP PDIP	8 14, 16, 20, 24, 28
SD	DB	SSOP	14, 16, 20, 24, 28, 30, 38
SN	DBV	SOT-23	5
SQ	DCK	SC-70	5
ST	DCY	SOT-223	4
T, T3	KC	TO-220	3
TD	KTP*	DPAK (TO-252)	3
Z	LP, LPM	TO-92	3
R# suffix (R2, RA)	R suffix	Tape & Reel	
T# suffix (T1, T3)	R suffix	Tape & Reel	
EL, 1, 2, 3 suffixes	R suffix	Tape & Reel	

\*Denotes one-way compatibility: TI package CAN fit on competitor® land pattern but not vice versa

Competitor® Package	Equivalent TI Package	Package Type	Pin Count for TI Packages
<b>PHILIPS</b>			
D, D8	D	SOIC	8, 14, 16
D	DW	SOIC Wide (SOWB)	16, 20, 24, 28
D	DBV	SOT23-5	5
DB	DW	SOIC Wide (SOWB)	16, 20, 24, 28
DB	DB	SSOP	14, 16, 20, 24, 28, 30, 38
DB	PW	TSSOP	8, 14, 16, 20, 24, 28
DCK	DCK	SC-70	5
DGG	DGG	TSSOP	48, 56, 64
DGV	DGV	TVSOP	14, 16, 20, 24, 48, 56
DH	PW	TSSOP	8, 14, 16, 20, 24, 28
DL	DL	SSOP	28, 48, 56
DT	PW	TSSOP	8, 14, 16, 20, 24, 28
GKE	GKE	LFBGA	96
GKF	GKF	LFBGA	114
GW	DBV	SOT23-5	5
GW	DCK	SC-70	5
H	DB	SSOP	14, 16, 20, 24, 28, 30, 38
N, NB	P N	PDIP PDIP	8 14, 16, 20, 24, 28
N, N2	NT	PDIP	24, 28
PN	P N	PDIP PDIP	8 14, 16, 20, 24, 28
PW	PW	TSSOP	8, 14, 16, 20, 24, 28
S	DW	SOIC Wide (SOWB)	16, 20, 24, 28
SDK	PW	TSSOP	8, 14, 16, 20, 24, 28
T, TD	D	SOIC	8, 14, 16
W	D	SOIC	8, 14, 16
T, G suffixes	R suffix	Tape & Reel	
<b>SEMTECH</b>			
5M	KTG*	TO-263	5
M	KTE* KTG*	TO-263 TO-263	3 5
M	D	SOIC	8, 14, 16
MS	DGK DGS	MSOP MSOP	8 10
S	D	SOIC	8, 14, 16
S	DCY	SOT-223	4
S	KTG*	TO-263	5
SK	DBV	SOT-23	5
ST	DCY	SOT-223	4
T	KC	TO-220	3
Z	LP, LPM	TO-92	3
TR suffix	R suffix	Tape & Reel	

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## Packaging Information and Cross-Reference by Manufacturer

Competitor® Package	Equivalent TI Package	Package Type	Pin Count for TI Packages
<b>SIPEX</b>			
A	DB	SSOP	14, 16, 20, 24, 28, 30, 38
M3	DCY	SOT-223	4
N	D	SOIC	8, 14, 16
P	P	PDIP	8
	N	PDIP	14, 16, 20, 24, 28
R	KTP*	DPAK (TO-252)	3
S, S1, S2	D	SOIC	8, 14, 16
T	DW	SOIC Wide (SOWB)	16, 20, 24, 28
T	D	SOIC	8, 14, 16
T	KTE*	TO-263	3
U	KC	TO-220	3
Y	PW	TSSOP	8, 14, 16, 20, 24, 28

\*Denotes one-way compatibility: TI package CAN fit on competitor® land pattern but not vice versa

Competitor® Package	Equivalent TI Package	Package Type	Pin Count for TI Packages
<b>ST MICROELECTRONICS</b>			
D	D	SOIC	8, 14, 16
D2M	KTE*	D <sup>2</sup> PAK/A (TO-263)	3
DT	KTP*	DPAK (TO-252)	3
L	DBV	SOT23-5	5
M	DBV	SOT23-5	5
N	P	PDIP	8
	N	PDIP	14, 16, 20, 24, 28
P	PW	TSSOP	8, 14, 16, 20, 24, 28
S	DGK	MSOP	8
S	DCY	SOT-223	4
T	PW	TSSOP	8, 14, 16, 20, 24, 28
U	PK	SOT-89	3
V	KC	TO-220	3
W	DW	SOIC Wide (SOWB)	16, 20, 24, 28
Z	LP, LPM	TO-92	3
T, TR, T-R suffix	R suffix	Tape & Reel	
AP suffix	M suffix	Ammo pack	

\*Denotes one-way compatibility: TI package CAN fit on competitor® land pattern but not vice versa

TI Part Number Example

LMV 393 A I D R

Products	Prefix Options	Typical Device Number	Optional Suffix	Temperature Suffix Options	Package Suffix Options	Carrier Suffix Options
Amplifiers and Comparators	LF, LM, LMV, LP, LT, MC, NE, OP, RC, SE, TL, TLV, UA	324	A, B	C, I, M	D, DB, DBV, DW, N, NS, P, PS, PW	R
Data Transmission Products and Peripheral Drivers	AM, LT, MAX, SN, TL, UA, ULN	75LPE185	A, B	C, I, M	D, DB, DGG, DL, DW, N, NS, NT, P, PM, PS, PW	R
Voltage Regulators and References	LM, LT, MC, SG, TL, TLV, UA, UC	431	A	C, I, M	D, DB, DBV, DW, KC, KTE, KTG, KTP, LP, N, NS, P, PK, PS, PW	R

### Temperature Suffix Definitions

Some temperature suffixes have alternative temperature ranges.  
 C = 0 to 70°C (Commercial)      M = -55 to 125°C (Military)  
 I, E = -40 to 85°C (Industrial)

### Carrier Suffix Options

R = Available Taped-and-Reeled

# TI Worldwide Technical Support

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Malaysia 1-800-80-3973  
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