



# **Older Product Cross Reference Material**

**To assist customers in finding  
crosses to obsolete parts.**



## Sipex Cross Reference Material

This file is a compilation  
of 2 documents:

the 2004 Cross  
Reference and the  
1999 Cross Reference.

Original pagination was  
preserved.

# 2004 Sipex Cross Reference

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## Analog Devices

Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Analog Devices	AD231AQ	SP231ACP	5V and 12V RS-232, 2 Drivers, 2 Receivers	14 PDIP	Pin to Pin
Analog Devices	AD231AQ	SP231AED	5V and 12V RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Analog Devices	ADM1181AAN	SP202EEP	High Performance 5V RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
Analog Devices	ADM1181AARW	SP202EET	High Performance 5V RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Analog Devices	ADM1385RS	SP385AEA	5V Only RS-232, 2 Drivers, 2 Receivers	20 SSOP	Pin to Pin
Analog Devices	ADM202EAN	SP202EEP	High Performance 5V RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
Analog Devices	ADM202EARN	SP202EEN	High Performance 5V RS-232, 2 Drivers, 2 Receivers	16 NSOIC	Pin to Pin
Analog Devices	ADM202EARW	SP202EET	High Performance 5V RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Analog Devices	ADM202JN	SP202ECP	High Performance 5V RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
Analog Devices	ADM202JRN	SP202ECN	High Performance 5V RS-232, 2 Drivers, 2 Receivers	16 NSOIC	Pin to Pin
Analog Devices	ADM202JRW	SP202ECT	High Performance 5V RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Analog Devices	ADM203JN	SP233ACP	5V Only RS-232, 2 Drivers, 2 Receivers, No External Capacitors	20 PDIP	Pin to Pin
Analog Devices	ADM205AN	SP205EP	5V Only RS-232, 5 Drivers, 5 Receivers, Shutdown, Tri-state, No External Capacitors	24 PDIP	Pin to Pin
Analog Devices	ADM206AN	SP206EP	5V Only RS-232, 4 Drivers, 3 Receivers, Shutdown, Tri-state	24 PDIP	Pin to Pin
Analog Devices	ADM206AR	SP206ET	5V Only RS-232, 4 Drivers, 3 Receivers, Shutdown, Tri-state	24 SOIC	Pin to Pin
Analog Devices	ADM206ARS	SP206EA	5V Only RS-232, 4 Drivers, 3 Receivers, Shutdown, Tri-state	24 SSOP	Pin to Pin
Analog Devices	ADM207AN	SP207EP	5V Only RS-232, 5 Drivers, 3 Receivers	24 PDIP	Pin to Pin
Analog Devices	ADM207AR	SP207ET	5V Only RS-232, 5 Drivers, 3 Receivers	24 SOIC	Pin to Pin
Analog Devices	ADM207ARS	SP207EA	5V Only RS-232, 5 Drivers, 3 Receivers	24 SSOP	Pin to Pin
Analog Devices	ADM207EAN	SP207EHEP	High Speed, High Performance 5V RS-232, 5 Drivers, 3 Receivers	24 PDIP	Pin to Pin
Analog Devices	ADM207EAR	SP207EHET	High Speed, High Performance 5V RS-232, 5 Drivers, 3 Receivers	24 SOIC	Pin to Pin
Analog Devices	ADM207EARS	SP207EHEA	High Speed, High Performance 5V RS-232, 5 Drivers, 3 Receivers	24 SSOP	Pin to Pin
Analog Devices	ADM208AN	SP208EP	5V Only RS-232, 4 Drivers, 4 Receivers	24 PDIP	Pin to Pin
Analog Devices	ADM208AR	SP208ET	5V Only RS-232, 4 Drivers, 4 Receivers	24 SOIC	Pin to Pin
Analog Devices	ADM208ARS	SP208EA	5V Only RS-232, 4 Drivers, 4 Receivers	24 SSOP	Pin to Pin
Analog Devices	ADM208EAN	SP208EEP	High Performance 5V RS-232, 4 Drivers, 4 Receivers	24 PDIP	Pin to Pin
Analog Devices	ADM208EAR	SP208EET	High Performance 5V RS-232, 4 Drivers, 4 Receivers	24 SOIC	Pin to Pin
Analog Devices	ADM208EARS	SP208EEA	High Performance 5V RS-232, 4 Drivers, 4 Receivers	24 SSOP	Pin to Pin
Analog Devices	ADM211AR	SP211ET	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SOIC	Pin to Pin
Analog Devices	ADM211ARS	SP211EA	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SSOP	Pin to Pin
Analog Devices	ADM211EAR	SP211EET	Enhanced 5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SOIC	Pin to Pin
Analog Devices	ADM211EARS	SP211EEA	Enhanced 5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SSOP	Pin to Pin
Analog Devices	ADM213AR	SP213ET	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state, Wake-up	28 SOIC	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Analog Devices	ADM213ARS	SP213EA	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state, Wake-up	28 SSOP	Pin to Pin
Analog Devices	ADM2209EARU	SP2209EEY	High ESD Dual Port RS-232 Transceiver	38 TSSOP	Pin to Pin
Analog Devices	ADM222	SP310	High-Performance RS-232 Line Drivers/Receivers	18 PDIP	Pin to Pin
Analog Devices	ADM222AN	SP310AEP	5V Only RS-232, 2 Drivers, 2 Receivers, Shutdown	18 PDIP	Pin to Pin
Analog Devices	ADM222AR	SP310AET	5V Only RS-232, 2 Drivers, 2 Receivers, Shutdown	18 SOIC	Pin to Pin
Analog Devices	ADM223AR	SP213ET	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state, Wake-up	28 SOIC	Pin to Pin
Analog Devices	ADM223ARS	SP213EA	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state, Wake-up	28SSOP	Pin to Pin
Analog Devices	ADM223JR	SP213CT	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state, Wake-up	28 SOIC	Pin to Pin
Analog Devices	ADM223JRS	SP213CA	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state, Wake-up	28 SSOP	Pin to Pin
Analog Devices	ADM230LAN	SP230AEP	5V Only RS-232, 5 Drivers, 0 Receivers, Shutdown	20 PDIP	Pin to Pin
Analog Devices	ADM230LAR	SP230AET	5V Only RS-232, 5 Drivers, 0 Receivers, Shutdown	20 SOIC	Pin to Pin
Analog Devices	ADM230LJN	SP230ACP	5V Only RS-232, 5 Drivers, 0 Receivers, Shutdown	20 PDIP	Pin to Pin
Analog Devices	ADM230LJR	SP230ACT	5V Only RS-232, 5 Drivers, 0 Receivers, Shutdown	20 SOIC	Pin to Pin
Analog Devices	ADM231LAN	SP231AEP	5V and 12V RS-232, 2 Drivers, 2 Receivers	14 PDIP	Pin to Pin
Analog Devices	ADM231LAR	SP231AET	5V and 12V RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Analog Devices	ADM231LJN	SP231ACT	5V and 12V RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Analog Devices	ADM231LJR	SP231ACT	5V and 12V RS-232, 2 Drivers, 2 Receivers	16 SOIC	Functional Equivalent
Analog Devices	ADM232AAN	SP232AEP	5V Only RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
Analog Devices	ADM232AARN	SP232AEN	5V Only RS-232, 2 Drivers, 2 Receivers	16 NSOIC	Pin to Pin
Analog Devices	ADM232AARW	SP232AET	5V Only RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Analog Devices	ADM232LAN	SP232AEP	5V Only RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
Analog Devices	ADM232LAR	SP232AET	5V Only RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Analog Devices	ADM232LJN	SP232ACP	5V Only RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
Analog Devices	ADM232LJR	SP232ACT	5V Only RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Analog Devices	ADM233LAN	SP233AEP	5V Only RS-232, 2 Drivers, 2 Receivers, No External Capacitors	20 PDIP	Pin to Pin
Analog Devices	ADM233LJN	SP233ACP	5V Only RS-232, 2 Drivers, 2 Receivers, No External Capacitors	20 PDIP	Pin to Pin
Analog Devices	ADM234LAN	SP234AEP	5V Only RS-232, 4 Drivers, 0 Receivers	16 PDIP	Pin to Pin
Analog Devices	ADM234LAR	SP234AET	5V Only RS-232, 4 Drivers, 0 Receivers	16 SOIC	Pin to Pin
Analog Devices	ADM234LJN	SP234ACP	5V Only RS-232, 4 Drivers, 0 Receivers	16 PDIP	Pin to Pin
Analog Devices	ADM234LJR	SP234ACT	5V Only RS-232, 4 Drivers, 0 Receivers	16 SOIC	Pin to Pin
Analog Devices	ADM235LAN	SP235AEP	5V Only RS-232, 5 Drivers, 5 Receivers, Shutdown, Tri-state, No External Capacitors	24 WPDIP	Pin to Pin
Analog Devices	ADM235LJN	SP235ACP	5V Only RS-232, 5 Drivers, 5 Receivers, Shutdown, Tri-state, No External Capacitors	24 WPDIP	Pin to Pin
Analog Devices	ADM236LAN	SP236AES	5V Only RS-232, 4 Drivers, 3 Receivers, Shutdown, Tri-state	24 PDIP	Pin to Pin
Analog Devices	ADM236LAQ	SP236ACT	5V Only RS-232, 4 Drivers, 3 Receivers, Shutdown, Tri-state	24 SOIC	Functional Equivalent
Analog Devices	ADM236LAR	SP236AET	5V Only RS-232, 4 Drivers, 3 Receivers, Shutdown, Tri-state	24 SOIC	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Analog Devices	ADM236LJN	SP236ACS	5V Only RS-232, 4 Drivers, 3 Receivers, Shutdown, Tri-state	24 PDIP	Pin to Pin
Analog Devices	ADM236LJR	SP236ACT	5V Only RS-232, 4 Drivers, 3 Receivers, Shutdown, Tri-state	24 SOIC	Pin to Pin
Analog Devices	ADM237LAN	SP237AES	5V Only RS-232, 5 Drivers, 3 Receivers	24 PDIP	Pin to Pin
Analog Devices	ADM237LAR	SP237AET	5V Only RS-232, 5 Drivers, 3 Receivers	24 SOIC	Pin to Pin
Analog Devices	ADM237LJN	SP237ACS	5V Only RS-232, 5 Drivers, 3 Receivers	24 PDIP	Pin to Pin
Analog Devices	ADM237LJR	SP237ACT	5V Only RS-232, 5 Drivers, 3 Receivers	24 SOIC	Pin to Pin
Analog Devices	ADM238LAN	SP238AES	5V Only RS-232, 4 Drivers, 4 Receivers	24 PDIP	Pin to Pin
Analog Devices	ADM238LAR	SP238AET	5V Only RS-232, 4 Drivers, 4 Receivers	24 SOIC	Pin to Pin
Analog Devices	ADM238LJN	SP238ACS	5V Only RS-232, 4 Drivers, 4 Receivers	24 PDIP	Pin to Pin
Analog Devices	ADM238LJR	SP238ACT	5V Only RS-232, 4 Drivers, 4 Receivers	24 SOIC	Pin to Pin
Analog Devices	ADM241LAR	SP211ET	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SOIC	Pin to Pin
Analog Devices	ADM241LARS	SP211EA	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SSOP	Pin to Pin
Analog Devices	ADM241LJR	SP211CT	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SOIC	Pin to Pin
Analog Devices	ADM241LJRS	SP211CA	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SSOP	Pin to Pin
Analog Devices	ADM242AN	SP312AEP	5V Only RS-232, 2 Drivers, 2 Receivers, Shutdown, Tri-state	18 PDIP	Pin to Pin
Analog Devices	ADM242AR	SP312AET	5V Only RS-232, 2 Drivers, 2 Receivers, Shutdown, Tri-state	18 SOIC	Pin to Pin
Analog Devices	ADM242JN	SP312ACP	5V Only RS-232, 2 Drivers, 2 Receivers, Shutdown, Tri-state	18 PDIP	Pin to Pin
Analog Devices	ADM242JR	SP312ACT	5V Only RS-232, 2 Drivers, 2 Receivers, Shutdown, Tri-state	18 SOIC	Pin to Pin
Analog Devices	ADM3202AN	SP3232EUCP	3V, 15kV, 1000 kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 PDIP	0C to +70C
Analog Devices	ADM3202ARN	SP3232EUCN	3V, 15kV, 1000 kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 NSOIC	0C to +70C
Analog Devices	ADM3202ARU	SP3232EUCY	3V, 15kV, 1000 kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 TSSOP	0C to +70C
Analog Devices	ADM3202ARW	SP3232EUCT	3V, 15kV, 1000 kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 SOIC	0C to +70C
Analog Devices	ADM3222AN	SP3222EUCP	3V, 15kV, 1000 kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	18 PDIP	0C to +70C
Analog Devices	ADM3222ARS	SP3222EUCA	3V, 15kV, 1000 kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	20 SSOP	0C to +70C
Analog Devices	ADM3222ARU	SP3222EUCY	3V, 15kV, 1000 kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	20 TSSOP	0C to +70C
Analog Devices	ADM3222ARW	SP3222EUCT	3V, 15kV, 1000 kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	18 SOIC	0C to +70C
Analog Devices	ADM3485EAN	SP3485EP	+3.3V, Low Power, 10 Mbps, Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Analog Devices	ADM3485EAR	SP3485EN	+3.3V, Low Power, 10 Mbps, Half Duplex RS-485 Transceivers	8 SOIC	Pin to Pin
Analog Devices	ADM3491AN	SP3491EP	3.3V Low Power Full Duplex RS-485 Transceivers	14 PDIP	Pin to Pin
Analog Devices	ADM3491AR	SP3491EN	3.3V Low Power Full Duplex RS-485 Transceivers	14 NSOIC	Pin to Pin
Analog Devices	ADM483EAN	SP483EEP	Enhanced Low EMI Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Analog Devices	ADM483EAR	SP483EEN	Enhanced Low EMI Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Analog Devices	ADM485AN	SP485ES	Low Power Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Analog Devices	ADM485AR	SP485EN	Low Power Half Duplex RS-485 Transceivers	8 SOIC	Pin to Pin
Analog Devices	ADM485JN	SP485CS	Low Power Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Analog Devices	ADM485JR	SP485CN	Low Power Half Duplex RS-485 Transceivers	8 SOIC	Pin to Pin
Analog Devices	ADM660AN	SP6660EP	3V Charge Pump DC to DC Converter	8 PDIP	Pin to Pin
Analog Devices	ADM660AR	SP6660EN	3V Charge Pump DC to DC Converter	8 NSOIC	Pin to Pin
Analog Devices	ADM690AAN	SP690AEP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Analog Devices	ADM690AARN	SP690AEN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Analog Devices	ADM690AN	SP690AEP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Analog Devices	ADM690ARN	SP690AEN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Analog Devices	ADM691AAN	SP691AEP	Low Power Supervisory IC with Battery Switch-Over	16 PDIP	Pin to Pin
Analog Devices	ADM691AARN	SP691AEN	Low Power Supervisory IC with Battery Switch-Over	16 NSOIC	Pin to Pin
Analog Devices	ADM691AARW	SP691AET	Low Power Supervisory IC with Battery Switch-Over	16 WSOIC	Pin to Pin
Analog Devices	ADM692AAN	SP692AEP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Analog Devices	ADM692AARN	SP692AEN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Analog Devices	ADM692AN	SP692AEP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Analog Devices	ADM692ARN	SP692AEN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Analog Devices	ADM693AAN	SP693AEP	Low Power Supervisory IC With Battery Switch-Over	16 PDIP	Pin to Pin
Analog Devices	ADM693AARN	SP693AEN	Low Power Supervisory IC With Battery Switch-Over	16 NSOIC	Pin to Pin
Analog Devices	ADM693AARW	SP693AET	Low Power Supervisory IC With Battery Switch-Over	16 WSOIC	Pin to Pin
Analog Devices	ADM694AN	SP690AEP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Analog Devices	ADM694ARN	SP690AEN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Analog Devices	ADM705AN	SP705EP	Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Analog Devices	ADM705AR	SP705EN	Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Analog Devices	ADM706AN	SP706EP	Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Analog Devices	ADM706AR	SP706EN	Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Analog Devices	ADM706PAN	SP706PEP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Analog Devices	ADM706PAR	SP706PEN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Analog Devices	ADM706RAN	SP706REP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Analog Devices	ADM706RAR	SP706REN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Analog Devices	ADM706SAN	SP706SEP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Analog Devices	ADM706SAR	SP706SEN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Analog Devices	ADM706TAN	SP706TEP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Analog Devices	ADM706TAR	SP706TEN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Analog Devices	ADM707AN	SP707EP	Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Analog Devices	ADM707AR	SP707EN	Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Analog Devices	ADM707ARM	SP707EU	Low Power Microprocessor Supervisory Circuits	8 $\mu$ SOIC	Pin to Pin
Analog Devices	ADM708AN	SP708EP	Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Analog Devices	ADM708AR	SP708CN	Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Analog Devices	ADM708ARM	SP708EU	Low Power Microprocessor Supervisory Circuits	8 $\mu$ SOIC	Pin to Pin
Analog Devices	ADM708RAN	SP708REP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Analog Devices	ADM708RAR	SP708REN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Analog Devices	ADM708SAN	SP708SEP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Analog Devices	ADM708SAR	SP708SEN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Analog Devices	ADM708TAN	SP708TEP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Analog Devices	ADM708TAR	SP708TEN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Analog Devices	ADM800LAN	SP800LEP	Low Power Supervisory IC With Battery Switch-Over	16 PDIP	Pin to Pin
Analog Devices	ADM800LARN	SP800LEN	Low Power Supervisory IC With Battery Switch-Over	16 NSOIC	Pin to Pin
Analog Devices	ADM800LARW	SP800LET	Low Power Supervisory IC With Battery Switch-Over	16 WSOIC	Pin to Pin
Analog Devices	ADM800MAN	SP800MEP	Low Power Supervisory IC With Battery Switch-Over	16 PDIP	Pin to Pin
Analog Devices	ADM800MARN	SP800MEN	Low Power Supervisory IC With Battery Switch-Over	16 NSOIC	Pin to Pin
Analog Devices	ADM800MARW	SP800MET	Low Power Supervisory IC With Battery Switch-Over	16 WSOIC	Pin to Pin
Analog Devices	ADM802LAN	SP802LEP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Analog Devices	ADM802LARN	SP802LEN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Analog Devices	ADM802MAN	SP802MEP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Analog Devices	ADM802MARN	SP802MEN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Analog Devices	ADM805LAN	SP805LEP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Analog Devices	ADM805LARN	SP805LEN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Analog Devices	ADM805MAN	SP805MEP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Analog Devices	ADM805MARN	SP805MEN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Analog Devices	ADM8690AN	SP690AEP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Analog Devices	ADM8690ARN	SP690AEN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Analog Devices	ADM8692AN	SP692AEP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Analog Devices	ADM8692ARN	SP692AEN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Analog Devices	ADM8694AN	SP690AEP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Analog Devices	ADM8694ARN	SP690AEN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin



## AnalogicTech

Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
AnalogicTech	AAT3215IGV-x.x-T1	SPX5205M5-x.x	150 mA Low-Noise LDO Voltage Regulator	5 SOT-23	Pin to Pin
AnalogicTech	AAT3216IGV-x.x-T1	SP6200	Micropower, 100mA and 200mA CMOS LDO Regulator	5 SOT-23	Pin to Pin
AnalogicTech	AAT3237IGV-x.x-T1	SP6201	Micropower, 100mA and 200mA CMOS LDO Regulator	5 SOT-23	Pin to Pin
AnalogicTech	AAT4625	SP2525	3.0V to 5.5V USB Power Control Switch	8 NSOIC	Pin to Pin
AnalogicTech	AAT4626	SP2026	dual channel USB power control switch	8 NSOIC	Pin to Pin
AnalogicTech	AAT4626	SP2526	dual channel power control switch compliant to USB specifications	8 PDIP	Pin to Pin
AnalogicTech	AHK432	SPX432	1.24V Precision Adjustable Shunt Regulator	3 SOT-23	Pin to Pin

## Astec

Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Astec	AS431S	SPX431AM1	Precision Adjustable Shunt Regulator	3 Pin SOT89	Functional Equivalent
Astec	AS431LP	SPX431AN	Precision Adjustable Shunt Regulator	3 Pin TO92	Functional Equivalent
Astec	AS2431S	SPX431LAM1	Precision Adjustable Shunt Regulator	3 Pin SOT89	Functional Equivalent
Astec	AS432D	SPX432AS	1.24V Precision Adjustable Shunt Regulator	8-Pin SOIC	Functional Equivalent



## Bay Linear

Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Bay Linear	B1115	SPX1202	600mA Low Dropout Positive Linear Regulator	5 TO-220	Closest Existing
Bay Linear	B1117	SPX2810	1A Low Dropout Voltage Regulator Adjustable & Fixed Output Fast Response	3 TO-220	Closest Existing
Bay Linear	B1580	SPX1580	7A Ultra Low Dropout Voltage Regulator Fast Response Adjustable & Fixed	5 TO-220	Pin to Pin
Bay Linear	B1581	SPX1581	5A Ultra Low Dropout Voltage Regulator Fast Response Adjustable & Fixed	5 TO-220	Pin to Pin
Bay Linear	B1582	SPX1582	3A Ultra Low Dropout Voltage Regulator Fast Response Adjustable & Fixed	5 TO-220	Pin to Pin
Bay Linear	B1583	SPX1583	1.5A Ultra Low Dropout Voltage Regulator Fast Response Adjustable & Fixed	5 TO-220	Pin to Pin
Bay Linear	B1584	SPX1584	8A Low Dropout Voltage Regulator Adjustable & Fixed 3.3V	5 TO-220	Pin to Pin
Bay Linear	B1586	SPX2815	1.5A Low Dropout Voltage Regulator Adjustable & Fixed Output Fast Response	3 TO-220	Pin to Pin
Bay Linear	B1587	SPX1587	3A Low Dropout Voltage Regulator Adjustable & Fixed Output Fast Response	3 TO-220	Pin to Pin
Bay Linear	B2954	SPX2954	250 mA Low Drop Out Voltage Regulator	3 SOT-23	Pin to Pin
Bay Linear	B3431	SPX2431	Precision Adjustable Shunt Regulator	3 TO-92	Pin to Pin
Bay Linear	B4150	SP6200	Micropower 100mA and 200mA CMOS LDO Regulators	5 SOT-23	Closest Existing
Bay Linear	B431	SPX431	Precision Adjustable Shunt Regulator	5 SOT-23	Pin to Pin
Bay Linear	B431L	SPX432	1.24V Precision Adjustable Shunt Regulator	3 SOT-23	Pin to Pin
Bay Linear	LM2931	SPX2931	100mA Low Dropout Voltage Regulator	3 SOT-89	Pin to Pin
Bay Linear	LP2950	LP2950	100mA Low Dropout Voltage Regulators	3 TO-92	Pin to Pin
Bay Linear	LP2951	LP2951	100mA Low Dropout Voltage Regulators	SOIC (N)	Pin to Pin



## Calogic

Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Calogic	LP2950ACN-3.3	LP2950ACN-3.3	100 mA Low Dropout Regulator	3 Pin TO-92	Pin to Pin
Calogic	LP2950ACN-3.3	LP2950CN-3.3	100 mA Low Dropout Regulator	3 Pin TO-92	Pin to Pin
Calogic	LP2950ACN-5.0	LP2950ACN-5.0	100 mA Low Dropout Regulator	3 Pin TO-92	Pin to Pin
Calogic	LP2950ACN-5.0	LP2950CN-5.0	100 mA Low Dropout Regulator	3 Pin TO-92	Pin to Pin
Calogic	LP2950CN-3.3	LP2950ACN-3.3	100 mA Low Dropout Regulator	3 Pin TO-92	Pin to Pin
Calogic	LP2950CN-3.3	LP2950CN-3.3	100 mA Low Dropout Regulator	3 Pin TO-92	Pin to Pin
Calogic	LP2950CN-5.0	LP2950ACN-5.0	100 mA Low Dropout Regulator	3 Pin TO-92	Pin to Pin
Calogic	LP2950CN-5.0	LP2950CN-5.0	100 mA Low Dropout Regulator	3 Pin TO-92	Pin to Pin
Calogic	LP2951ACS-3.3	LP2951ACS-3.3	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
Calogic	LP2951ACS-3.3	LP2951CS-3.3	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
Calogic	LP2951ACS-5.0	LP2951ACS-5.0	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
Calogic	LP2951ACS-5.0	LP2951CS-5.0	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
Calogic	LP2951CS-3.3	LP2951ACS-3.3	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
Calogic	LP2951CS-3.3	LP2951CS-3.3	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
Calogic	LP2951CS-5.0	LP2951ACS-5.0	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
Calogic	LP2951CS-5.0	LP2951CS-5.0	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin

## Dallas Semiconductor

Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Dallas Semiconductor	DS1705EPA	SP705EP	Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Dallas Semiconductor	DS1705ESA	SP705EN	Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Dallas Semiconductor	DS1705EUA	SP705EU	Low Power Microprocessor Supervisory Circuits	8 $\mu$ SOIC	Pin to Pin
Dallas Semiconductor	DS1706EPA	SP706EP	Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Dallas Semiconductor	DS1706ESA	SP706EN	Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Dallas Semiconductor	DS1706EUA	SP706EU	Low Power Microprocessor Supervisory Circuits	8 $\mu$ SOIC	Pin to Pin
Dallas Semiconductor	DS1706LEPA	SP813LEP	Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Dallas Semiconductor	DS1706LESA	SP813LEN	Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Dallas Semiconductor	DS1706LEUA	SP813LEU	Low Power Microprocessor Supervisory Circuits	8 $\mu$ SOIC	Pin to Pin
Dallas Semiconductor	DS1706PEPA	SP706PEP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Dallas Semiconductor	DS1706PESA	SP706PEN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Dallas Semiconductor	DS1706PEUA	SP706PEU	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 $\mu$ SOIC	Pin to Pin
Dallas Semiconductor	DS1706REPA	SP706REP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Dallas Semiconductor	DS1706RESA	SP706REN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Dallas Semiconductor	DS1706REUA	SP706REU	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 $\mu$ SOIC	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Dallas Semiconductor	DS1706SEPA	SP706SEP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Dallas Semiconductor	DS1706SESA	SP706SEN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Dallas Semiconductor	DS1706SEUA	SP706SEU	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 $\mu$ SOIC	Pin to Pin
Dallas Semiconductor	DS1706TEPA	SP706TEP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Dallas Semiconductor	DS1706TESA	SP706TEN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Dallas Semiconductor	DS1706TEUA	SP706TEU	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 $\mu$ SOIC	Pin to Pin
Dallas Semiconductor	DS1707EPA	SP707EP	Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Dallas Semiconductor	DS1707ESA	SP707EN	Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Dallas Semiconductor	DS1707EUA	SP707EU	Low Power Microprocessor Supervisory Circuits	8 $\mu$ SOIC	Pin to Pin
Dallas Semiconductor	DS1708EPA	SP708EP	Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Dallas Semiconductor	DS1708ESA	SP708EN	Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Dallas Semiconductor	DS1708EUA	SP708EU	Low Power Microprocessor Supervisory Circuits	8 $\mu$ SOIC	Pin to Pin
Dallas Semiconductor	DS1708REPA	SP708REP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Dallas Semiconductor	DS1708RESA	SP708REN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Dallas Semiconductor	DS1708REUA	SP708REU	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 $\mu$ SOIC	Pin to Pin
Dallas Semiconductor	DS1708SEPA	SP708SEP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Dallas Semiconductor	DS1708SESA	SP708SEN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Dallas Semiconductor	DS1708SEUA	SP708SEU	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 $\mu$ SOIC	Pin to Pin
Dallas Semiconductor	DS1708TEPA	SP708TEP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Dallas Semiconductor	DS1708TESA	SP708TEN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Dallas Semiconductor	DS1708TEUA	SP708TEU	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 $\mu$ SOIC	Pin to Pin



## EXAR

Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
EXAR	XRT4500	SP508	Enhanced 20Mbps Multiprotocol Serial Interface Transceiver (DTE and DCE)	100 Pin LQFP	Closest Existing
EXAR	XRT4000	SP508	Enhanced 20Mbps Multiprotocol Serial Interface Transceiver (DTE and DCE)	100 Pin LQFP	Closest Existing

## Fairchild Semiconductor

Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Fairchild Semiconductor	LP2950ACZ-3.3	LP2950ACN-3.3	100 mA Low Dropout Regulator	3 Pin TO-92	Pin to Pin
Fairchild Semiconductor	LP2950ACZ-3.3	LP2950CN-3.3	100 mA Low Dropout Regulator	3 Pin TO-92	Pin to Pin
Fairchild Semiconductor	LP2950ACZ-5.0	LP2950ACN-5.0	100 mA Low Dropout Regulator	3 Pin TO-92	Pin to Pin
Fairchild Semiconductor	LP2950ACZ-5.0	LP2950CN-5.0	100 mA Low Dropout Regulator	3 Pin TO-92	Pin to Pin
Fairchild Semiconductor	LP2950CZ-3.3	LP2950ACN-3.3	100 mA Low Dropout Regulator	3 Pin TO-92	Pin to Pin
Fairchild Semiconductor	LP2950CZ-3.3	LP2950CN-3.3	100 mA Low Dropout Regulator	3 Pin TO-92	Pin to Pin
Fairchild Semiconductor	LP2950CZ-5.0	LP2950ACN-5.0	100 mA Low Dropout Regulator	3 Pin TO-92	Pin to Pin
Fairchild Semiconductor	LP2950CZ-5.0	LP2950CN-5.0	100 mA Low Dropout Regulator	3 Pin TO-92	Pin to Pin
Fairchild Semiconductor	LP2951ACMM	LP2951ACS-5.0	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
Fairchild Semiconductor	LP2951ACMM	LP2951CS-5.0	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
Fairchild Semiconductor	LP2951ACMM-3.3	LP2951ACS-3.3	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
Fairchild Semiconductor	LP2951ACMM-3.3	LP2951CS-3.3	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
Fairchild Semiconductor	LP2951CMM	LP2951ACS-5.0	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
Fairchild Semiconductor	LP2951CMM	LP2951CS-5.0	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
Fairchild Semiconductor	LP2951CMM-3.3	LP2951ACS-3.3	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
Fairchild Semiconductor	LP2951CMM-3.3	LP2951CS-3.3	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
Fairchild Semiconductor	UA96173ADMQB	SP488CS	Quad RS-485/RS-422 Line Receivers	16 Pin PDIP	Pin to Pin
Fairchild Semiconductor	UA96173ADMQB	SP488ES	Quad RS-485/RS-422 Line Receivers	16 Pin PDIP	Pin to Pin
Fairchild Semiconductor	USB1T11A	SP5301	Universal Serial Bus Transceiver	14-Pin NSOIC	Pin to Pin



## Harris

Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Harris	HA2-2529-5	SP2-2525-5	3.0V to 5.5V USB Power Control Switch	8 Pin NSOIC	Functional Equivalent
Harris	HA3-2529-5	SP3-2525-5	3.0V to 5.5V USB Power Control Switch	8 Pin NSOIC	Functional Equivalent
Harris	HA7-2529-5	SP7-2525-5	5V Only RS-232, 2 Drivers, 2 Receivers	8 Pin NSOIC	Functional Equivalent
Harris	HIN2301B	SP230AET	5V Only RS-232, 5 Drivers, 0 Receivers, Shutdown	20 SOIC	Pin to Pin
Harris	HIN230CB	SP230ACT	5V Only RS-232, 5 Drivers, 0 Receivers, Shutdown	20 SOIC	Pin to Pin
Harris	HIN231CB	SP231ACT	5V and 12V RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Harris	HIN231IB	SP231AET	5V and 12V RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Harris	HIN2321B	SP232AET	5V Only RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Harris	HIN2321P	SP232AEP	5V Only RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
Harris	HIN232CB	SP232ACT	5V Only RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Harris	HIN232CP	SP232ACP	5V Only RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
Harris	HIN2341B	SP234AET	5V Only RS-232, 4 Drivers, 0 Receivers	16 SOIC	Pin to Pin
Harris	HIN234CB	SP234ACT	5V Only RS-232, 4 Drivers, 0 Receivers	14 SOIC	Pin to Pin
Harris	HIN236CB	SP236ACT	5V Only RS-232, 4 Drivers, 3 Receivers, Shutdown, Tri-state	24 SOIC	Pin to Pin
Harris	HIN236CP	SP236ACS	5V Only RS-232, 4 Drivers, 3 Receivers, Shutdown, Tri-state	24 PDIP	Pin to Pin
Harris	HIN236IB	SP236AET	5V Only RS-232, 4 Drivers, 3 Receivers, Shutdown, Tri-state	24 SOIC	Pin to Pin
Harris	HIN236IP	SP236AES	5V Only RS-232, 4 Drivers, 3 Receivers, Shutdown, Tri-state	24 PDIP	Pin to Pin
Harris	HIN237CB	SP237ACT	5V Only RS-232, 5 Drivers, 3 Receivers	24 SOIC	Pin to Pin
Harris	HIN237CP	SP237ACS	5V Only RS-232, 5 Drivers, 3 Receivers	24 PDIP	Pin to Pin
Harris	HIN237IB	SP237AET	5V Only RS-232, 5 Drivers, 3 Receivers	24 SOIC	Pin to Pin
Harris	HIN237IP	SP237AES	5V Only RS-232, 5 Drivers, 3 Receivers	24 PDIP	Pin to Pin
Harris	HIN238CB	SP238ACT	5V Only RS-232, 4 Drivers, 4 Receivers	24 SOIC	Pin to Pin
Harris	HIN238CP	SP238ACS	5V Only RS-232, 4 Drivers, 4 Receivers	24 PDIP	Pin to Pin
Harris	HIN238IB	SP238AET	5V Only RS-232, 4 Drivers, 4 Receivers	24 SOIC	Pin to Pin
Harris	HIN238IP	SP238AES	5V Only RS-232, 4 Drivers, 4 Receivers	24 PDIP	Pin to Pin
Harris	HIN240CN	SP240ACF	5V Only RS-232, 5 Drivers, 5 Receivers, Shutdown, Tri-state	44 QFP	Pin to Pin
Harris	HIN241CA	SP211CA	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SSOP	Pin to Pin
Harris	HIN241CA	SP211HCA	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SSOP	Pin to Pin
Harris	HIN241CB	SP211CT	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SOIC	Pin to Pin
Harris	HIN241IA	SP211EA	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SSOP	Pin to Pin
Harris	HIN241IB	SP211ET	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SOIC	Pin to Pin
Harris	ICL232MJE883B	SP232ACP	Enhanced RS-232 Line Drivers/Receivers	16 Pin PDIP	Pin to Pin
Harris	ICL232MJE883B	SP232AEP	Enhanced RS-232 Line Drivers/Receivers	16 Pin PDIP	Pin to Pin



## International Rectifier

Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
International Rectifier	IRU1010-25CD	SPX2810AR-2.5	1A Low Dropout Voltage Regulator Adjustable & Fixed Output Fast Response	3 TO-220	Functional Equivalent
International Rectifier	IRU1010-25CD	SPX2810R-2.5	1A Low Dropout Voltage Regulator Adjustable & Fixed Output Fast Response	3 TO-220	Functional Equivalent
International Rectifier	IRU1010-25CY	SPX2810AM3-2.5	1A Low Dropout Voltage Regulator Adjustable & Fixed Output Fast Response	3 TO-220	Functional Equivalent
International Rectifier	IRU1010-25CY	SPX2810M3-2.5	1A Low Dropout Voltage Regulator Adjustable & Fixed Output Fast Response	3 TO-220	Functional Equivalent
International Rectifier	IRU1010-33CD	SPX2810AR-3.3	1A Low Dropout Voltage Regulator Adjustable & Fixed Output Fast Response	3 TO-220	Functional Equivalent
International Rectifier	IRU1010-33CD	SPX2810R-3.3	1A Low Dropout Voltage Regulator Adjustable & Fixed Output Fast Response	3 TO-220	Functional Equivalent
International Rectifier	IRU1010-33CY	SPX2810AM3-3.3	1A Low Dropout Voltage Regulator Adjustable & Fixed Output Fast Response	3 TO-220	Functional Equivalent
International Rectifier	IRU1010-33CY	SPX2810M3-3.3	1A Low Dropout Voltage Regulator Adjustable & Fixed Output Fast Response	3 TO-220	Functional Equivalent
International Rectifier	IRU1010CD	SPX2810AR	1A Low Dropout Voltage Regulator Adjustable & Fixed Output Fast Response	3 TO-220	Functional Equivalent
International Rectifier	IRU1010CD	SPX2810R	1A Low Dropout Voltage Regulator Adjustable & Fixed Output Fast Response	3 TO-220	Functional Equivalent
International Rectifier	IRU1010CY	SPX2810AM3	1A Low Dropout Voltage Regulator Adjustable & Fixed Output Fast Response	3 TO-220	Functional Equivalent
International Rectifier	IRU1010CY	SPX2810M3	1A Low Dropout Voltage Regulator Adjustable & Fixed Output Fast Response	3 TO-220	Functional Equivalent
International Rectifier	IRU1015CD	SPX2815AR	1.5A Low Dropout Voltage Regulator Adjustable & Fixed Output Fast Response	3 TO-220	Functional Equivalent
International Rectifier	IRU1015CD	SPX2815R	1.5A Low Dropout Voltage Regulator Adjustable & Fixed Output Fast Response	3 TO-220	Functional Equivalent
International Rectifier	IRU1015CM	SPX2815AT	1.5A Low Dropout Voltage Regulator Adjustable & Fixed Output Fast Response	3 TO-220	Functional Equivalent
International Rectifier	IRU1015CM	SPX2815T	1.5A Low Dropout Voltage Regulator Adjustable & Fixed Output Fast Response	3 TO-220	Functional Equivalent
International Rectifier	IRU1015CT	SPX2815AU	1.5A Low Dropout Voltage Regulator Adjustable & Fixed Output Fast Response	3 TO-220	Functional Equivalent
International Rectifier	IRU1015CT	SPX2815U	1.5A Low Dropout Voltage Regulator Adjustable & Fixed Output Fast Response	3 TO-220	Functional Equivalent
International Rectifier	IRU1206-33CD	SPX3940AR3-3.3	1A Low Drop Out Voltage Regulator With Shutdown	3 TO-252	Functional Equivalent
International Rectifier	IRU1206-33CD	SPX3940R3-3.3	1A Low Drop Out Voltage Regulator With Shutdown	3 TO-220	Functional Equivalent
International Rectifier	IRU1206-33CY	SPX3940AM3-3.3	1A Low Drop Out Voltage Regulator With Shutdown	3 SOT-223	Functional Equivalent
International Rectifier	IRU1206-33CY	SPX3940M3-3.3	1A Low Drop Out Voltage Regulator With Shutdown	3 SOT-223	Functional Equivalent
International Rectifier	IRU431ALCL3	SPX431LAM	Precision Adjustable Shunt Regulator	3 TO-252	Functional Equivalent
International Rectifier	IRU431LCL3	SPX431LCM	Precision Adjustable Shunt Regulator	3 SOT-89	Functional Equivalent
International Rectifier	IRU431LCL3	SPX431LM	Precision Adjustable Shunt Regulator	3 TO-223	Functional Equivalent



## Intersil

Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Intersil	HIN202ECB	SP202EET	High-Performance RS-232 Line Drivers/Receivers	16 SOIC	Pin to Pin
Intersil	HIN202ECBN	SP202EEN	High-Performance RS-232 Line Drivers/Receivers	16 NSOIC	Pin to Pin
Intersil	HIN202ECP	SP202EEP	High-Performance RS-232 Line Drivers/Receivers	16 PDIP	Pin to Pin
Intersil	HIN205CP	SP205BEP	5V High-Speed RS-232 Transceivers with 0.1mF Capacitors	24-pin PDIP	Pin to Pin
Intersil	HIN207CB	SP207BET	5V High-Speed RS-232 Transceivers with 0.1mF Capacitors	28 Pin SOIC Wide	Pin to Pin
Intersil	HIN207CP	SP207EP	5V High-Speed RS-232 Transceivers with 0.1mF Capacitors	24-pin PDIP	Pin to Pin
Intersil	HIN230CB	SP200ET	5V High-Speed RS-232 Transceivers with 0.1mF Capacitors	20-pin SOIC	Pin to Pin
Intersil	HIN233ACB	SP233EET	Enhanced RS-232 Line Drivers/Receivers	20-Pin SOIC Wide	Pin to Pin
Intersil	HIN233ACB-T	SP233ECT	Enhanced RS-232 Line Drivers/Receivers	20-Pin SOIC Wide	Pin to Pin
Intersil	HIN233CP	SP233AEP	Enhanced RS-232 Line Drivers/Receivers	20-pin PDIP	Pin to Pin
Intersil	HIN233ECB	SP233ECT	Enhanced RS-232 Line Drivers/Receivers	20-pin PDIP	Pin to Pin
Intersil	HIN235CP	SP235AEP	5V Powered Multi-Channel RS-232 Drivers/Receivers	4-pin PDIP Double Wid	Pin to Pin
Intersil	HIN237CB	SP237AET	5V Powered Multi-Channel RS-232 Drivers/Receivers	24-pin SOIC	Pin to Pin
Intersil	HIN237CP	SP237AES	5V Powered Multi-Channel RS-232 Drivers/Receivers	24-pin PDIP	Pin to Pin
Intersil	HIN241CB	SP241AET	5V Powered Multi-Channel RS-232 Drivers/Receivers	28-pin SOIC	Pin to Pin
Intersil	ICL3221CA	SP3220EBCA	3V, 235kbps, RS-232, 1 Driver, 1 Receiver Serial Interface IC	16 SSOP	Pin to Pin
Intersil	ICL3221CV	SP3220EBCY	3V, 235kbps, RS-232, 1 Driver, 1 Receiver Serial Interface IC	16 TSSOP	Pin to Pin
Intersil	ICL3221ECA	SP3220EBCA	3V, 15KV, 235kbps, RS-232, 1 Driver, 1 Receiver Serial Interface IC	16 SSOP	Pin to Pin
Intersil	ICL3221ECV	SP3220EBCY	3V, 15KV, 235kbps, RS-232, 1 Driver, 1 Receiver Serial Interface IC	16 TSSOP	Pin to Pin
Intersil	ICL3221EIA	SP3220EBEA	3V, 15KV, 235kbps, RS-232, 1 Driver, 1 Receiver Serial Interface IC	16 SSOP	Pin to Pin
Intersil	ICL3221IA	SP3220EBEA	3V, 235kbps, RS-232, 1 Driver, 1 Receiver Serial Interface IC	16 SSOP	Pin to Pin
Intersil	ICL3222CA	SP3222EBCA	3V, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	20 SSOP	Pin to Pin
Intersil	ICL3222CB	SP3222EBCT	3V, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	18 SOIC	Pin to Pin
Intersil	ICL3222CP	SP3222EBCP	3V, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	18 PDIP	Pin to Pin
Intersil	ICL3222CV	SP3222EBCY	3V, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	20 TSSOP	Pin to Pin
Intersil	ICL3222ECA	SP3222EBCA	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	20 SSOP	Pin to Pin
Intersil	ICL3222ECB	SP3222EBCT	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	16 SOIC	Pin to Pin
Intersil	ICL3222ECP	SP3222EBEP	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	18 PDIP	Pin to Pin
Intersil	ICL3222ECV	SP3222EBCY	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	20 TSSOP	Pin to Pin
Intersil	ICL3222EIA	SP3222EBEA	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	20 SSOP	Pin to Pin
Intersil	ICL3222EIB	SP3222EBET	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	18 SOIC	Pin to Pin
Intersil	ICL3222EIV	SP3222EBEY	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	20 TSSOP	Pin to Pin
Intersil	ICL3222IA	SP3222EBEA	3V, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	20 SSOP	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Intersil	ICL3222IB	SP3222EBET	3V, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	18 SOIC	Pin to Pin
Intersil	ICL3222IV	SP3222EBEY	3V, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	20 TSSOP	Pin to Pin
Intersil	ICL3223CA	SP3223EBCA	3V, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With AUTO ON-LINE <sup>®</sup>	20 SSOP	Pin to Pin
Intersil	ICL3223CP	SP3223EBCP	3V, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With AUTO ON-LINE <sup>®</sup>	20 PDIP	Pin to Pin
Intersil	ICL3223CV	SP3223EBCY	3V, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With AUTO ON-LINE <sup>®</sup>	20 TSSOP	Pin to Pin
Intersil	ICL3223ECA	SP3223EBCA	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With AUTO ON-LINE <sup>®</sup>	20 SSOP	Pin to Pin
Intersil	ICL3223ECP	SP3223EBCP	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With AUTO ON-LINE <sup>®</sup>	20 PDIP	Pin to Pin
Intersil	ICL3223ECV	SP3223EBCY	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With AUTO ON-LINE <sup>®</sup>	20 TSSOP	Pin to Pin
Intersil	ICL3223EIA	SP3223EBEA	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With AUTO ON-LINE <sup>®</sup>	20 SSOP	Pin to Pin
Intersil	ICL3223EIV	SP3223EBEY	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With AUTO ON-LINE <sup>®</sup>	20 TSSOP	Pin to Pin
Intersil	ICL3223IA	SP3223EBEA	3V, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With AUTO ON-LINE <sup>®</sup>	20 SSOP	Pin to Pin
Intersil	ICL3223IV	SP3223EBEY	3V, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With AUTO ON-LINE <sup>®</sup>	20 TSSOP	Pin to Pin
Intersil	ICL3232CA	SP3232EBCA	3V, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 SSOP	Pin to Pin
Intersil	ICL3232CB	SP3232EBCT	3V, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 SOIC	Pin to Pin
Intersil	ICL3232CBN	SP3232EBCN	3V, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 NSOIC	Pin to Pin
Intersil	ICL3232CP	SP3232EBCP	3V, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 PDIP	Pin to Pin
Intersil	ICL3232CV	SP3232EBCY	3V, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 TSSOP	Pin to Pin
Intersil	ICL3232ECA	SP3232EBCA	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 SSOP	Pin to Pin
Intersil	ICL3232ECB	SP3232EBCT	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 WSOIC	Pin to Pin
Intersil	ICL3232ECBN	SP3232EBCN	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 NSOIC	Pin to Pin
Intersil	ICL3232ECP	SP3232EBCP	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 PDIP	Pin to Pin
Intersil	ICL3232ECV-16	SP3232EBCY	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 TSSOP	Pin to Pin
Intersil	ICL3232EIA	SP3232EBEA	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 SSOP	Pin to Pin
Intersil	ICL3232EIB	SP3232EBET	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 WSOIC	Pin to Pin
Intersil	ICL3232EIBN	SP3232EBEN	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 NSOIC	Pin to Pin
Intersil	ICL3232EIV-16	SP3232EBEY	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 TSSOP	Pin to Pin
Intersil	ICL3232IA	SP3232EBEA	3V, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 SSOP	Pin to Pin
Intersil	ICL3232IB	SP3232EBET	3V, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 SOIC	Pin to Pin
Intersil	ICL3232IBN	SP3232EBEN	3V, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 NSOIC	Pin to Pin
Intersil	ICL3232IV	SP3232EBEY	3V, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 TSSOP	Pin to Pin
Intersil	ICL3238ECA	SP3238EBCA	3V, 15kV, 250kbps, RS-232, 5 Drivers, 3 Receivers Serial Interface IC With AUTO ON-LINE <sup>®</sup>	28 SSOP	Pin to Pin
Intersil	ICL3238ECV	SP3238EBCY	3V, 15kV, 250kbps, RS-232, 5 Drivers, 3 Receivers Serial Interface IC With AUTO ON-LINE <sup>®</sup>	28 TSSOP	Pin to Pin
Intersil	ICL3238EIA	SP3238EBEA	3V, 15kV, 250kbps, RS-232, 5 Drivers, 3 Receivers Serial Interface IC With AUTO ON-LINE <sup>®</sup>	28 SSOP	Pin to Pin
Intersil	ICL3238EIV	SP3238EBEY	3V, 15kV, 250kbps, RS-232, 5 Drivers, 3 Receivers Serial Interface IC With AUTO ON-LINE <sup>®</sup>	28 TSSOP	Pin to Pin
Intersil	ICL3243CA	SP3243EBCA	3V, 250kbps, RS-232, 3 Drivers, 5 Receivers Serial Interface IC With AUTO ON-LINE <sup>®</sup>	28 SSOP	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Intersil	ICL3243CB	SP3243EBCT	3V, 250kbps, RS-232, 3 Drivers, 5 Receivers Serial Interface IC With AUTO ON-LINE®	28 SOIC	Pin to Pin
Intersil	ICL3243CV	SP3243EBCY	3V, 250kbps, RS-232, 3 Drivers, 5 Receivers Serial Interface IC With AUTO ON-LINE®	28 TSSOP	Pin to Pin
Intersil	ICL3243ECA	SP3243EBCA	3V, 15kV, 250kbps, RS-232, 3 Drivers, 5 Receivers Serial Interface IC With AUTO ON-LINE®	28 SSOP	Pin to Pin
Intersil	ICL3243ECB	SP3243EBCT	3V, 15kV, 250kbps, RS-232, 3 Drivers, 5 Receivers Serial Interface IC With AUTO ON-LINE®	28 WSOIC	Pin to Pin
Intersil	ICL3243ECV	SP3243EBCY	3V, 15kV, 250kbps, RS-232, 3 Drivers, 5 Receivers Serial Interface IC With AUTO ON-LINE®	28 TSSOP	Pin to Pin
Intersil	ICL3243EIA	SP3243EBEA	3V, 15kV, 250kbps, RS-232, 3 Drivers, 5 Receivers Serial Interface IC With AUTO ON-LINE®	28 SSOP	Pin to Pin
Intersil	ICL3243EIB	SP3243EBET	3V, 15kV, 250kbps, RS-232, 3 Drivers, 5 Receivers Serial Interface IC With AUTO ON-LINE®	28 SOIC	Pin to Pin
Intersil	ICL3243EIV	SP3243EBEY	3V, 15kV, 250kbps, RS-232, 3 Drivers, 5 Receivers Serial Interface IC With AUTO ON-LINE®	28 TSSOP	Pin to Pin
Intersil	ICL3243IA	SP3243EBEA	3V, 250kbps, RS-232, 3 Drivers, 5 Receivers Serial Interface IC With AUTO ON-LINE®	28 SSOP	Pin to Pin
Intersil	ICL3243IB	SP3243EBET	3V, 250kbps, RS-232, 3 Drivers, 5 Receivers Serial Interface IC With AUTO ON-LINE®	28 SOIC	Pin to Pin
Intersil	ICL3243IV	SP3243EBEY	3V, 250kbps, RS-232, 3 Drivers, 5 Receivers Serial Interface IC With AUTO ON-LINE®	28 TSSOP	Pin to Pin
Intersil	ISL6526 or ISL6326	SP6128A	Low Voltage, Synchronous Buck Controller	14 TSSOP	Closest Existing
Intersil	ISL83220ECA	SP3220ECA	3V, 15kV, 250kbps, RS-232, 1 Driver, 1 Receiver Serial Interface IC	16 SSOP	Pin to Pin
Intersil	ISL83220ECB	SP3220ECT	3V, 15kV, 250kbps, RS-232, 1 Driver, 1 Receiver Serial Interface IC	16 SOIC	Pin to Pin
Intersil	ISL83220ECV	SP3220ECY	3V, 15kV, 250kbps, RS-232, 1 Driver, 1 Receiver Serial Interface IC	16 TSSOP	Pin to Pin
Intersil	ISL83220EIA	SP3220EEA	3V, 15kV, 250kbps, RS-232, 1 Driver, 1 Receiver Serial Interface IC	16 SSOP	Pin to Pin
Intersil	ISL83220EIB	SP3220EET	3V, 15kV, 250kbps, RS-232, 1 Driver, 1 Receiver Serial Interface IC	16 SOIC	Pin to Pin
Intersil	ISL83220EIV	SP3220EEY	3V, 15kV, 250kbps, RS-232, 1 Driver, 1 Receiver Serial Interface IC	16 TSSOP	Pin to Pin
Intersil	ISL83239EIA	SP3239EEA	3V, 15kV, 250kbps, RS-232, 5 Drivers, 3 Receivers Serial Interface IC	28 SSOP	Pin to Pin
Intersil	ISL83239EIV	SP3239EEY	3V, 15kV, 250kbps, RS-232, 5 Drivers, 3 Receivers Serial Interface IC	28 TSSOP	Pin to Pin
Intersil	ISL8483EIB	SP483ECN	Enhanced Low EMI Half-Duplex RS-485 Transceiver	8 SOIC (N)	Closest Existing
Intersil	ISL8483EIB	SP483EEN	Enhanced Low EMI Half-Duplex RS-485 Transceiver	8 SOIC (N)	Closest Existing
Intersil	ISL8483EIP	SP483ECP	Enhanced Low EMI Half-Duplex RS-485 Transceiver	8 PDIP	Closest Existing
Intersil	ISL8483EIP	SP483EEP	Enhanced Low EMI Half-Duplex RS-485 Transceiver	8 PDIP	Closest Existing
Intersil	ISL8483IB	SP483CN	Low Power Half-Duplex RS-485 Transceivers	8 SOIC (N)	Closest Existing
Intersil	ISL8483IB	SP483EN	Low Power Half-Duplex RS-485 Transceivers	8 SOIC (N)	Closest Existing
Intersil	ISL8483IP	SP483CS	Low Power Half-Duplex RS-485 Transceivers	8 SOIC (N)	Closest Existing
Intersil	ISL8483IP	SP483ES	Low Power Half-Duplex RS-485 Transceivers	8 SOIC (N)	Closest Existing
Intersil	ISL8485CB	SP485CN	Low Power Half-Duplex RS-485 Transceivers	8 PDIP	Closest Existing
Intersil	ISL8485CP	SP485CS	Low Power Half-Duplex RS-485 Transceivers	8 PDIP	Closest Existing
Intersil	ISL8485ECB	SP485ECN	Enhanced Low Power Half-Duplex RS-485 Transceivers	8 PDIP	Closest Existing
Intersil	ISL8485ECP	SP485ECP	Enhanced Low Power Half-Duplex RS-485 Transceivers	8 PDIP	Closest Existing
Intersil	ISL8485EIB	SP485EEN	Enhanced Low Power Half-Duplex RS-485 Transceivers	8 PDIP	Closest Existing
Intersil	ISL8485EIP	SP485EEP	Enhanced Low Power Half-Duplex RS-485 Transceivers	8 PDIP	Closest Existing
Intersil	ISL8485IB	SP485EN	Low Power Half-Duplex RS-485 Transceivers	8 SOIC (N)	Closest Existing



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Intersil	ISL8485IP	SP485ES	Low Power Half-Duplex RS-485 Transceivers	8 SOIC (N)	Closest Existing
Intersil	ISL8490IB	SP490CN	Full Duplex RS-485 Transceivers	8 SOIC (N)	Closest Existing
Intersil	ISL8490IB	SP490EN	Full Duplex RS-485 Transceivers	8 SOIC (N)	Closest Existing
Intersil	ISL8490IP	SP490CS	Full Duplex RS-485 Transceivers	8 PDIP	Closest Existing
Intersil	ISL8490IP	SP490ES	Full Duplex RS-485 Transceivers	8 PDIP	Closest Existing
Intersil	ISL8491IB	SP491CN	Full Duplex RS-485 Transceivers	14 SOIC (N)	Closest Existing
Intersil	ISL8491IB	SP491EN	Full Duplex RS-485 Transceivers	14 SOIC (N)	Closest Existing
Intersil	ISL8491IP	SP491CS	Full Duplex RS-485 Transceivers	14 PDIP	Closest Existing
Intersil	ISL8491IP	SP491ES	Full Duplex RS-485 Transceivers	14 PDIP	Closest Existing



## Linear Technology

Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Linear Technology	5962-8766601VA	SP310ACP	Enhanced RS-232 Line Drivers/Receivers	18 PDIP	Pin to Pin
Linear Technology	5962-8766602EA	SP232ACP	5V Only RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
Linear Technology	LT1004CZ-1.2	SPX1004N-1.2	Precision Voltage Reference	3 TO-92	Pin to Pin
Linear Technology	LT1004CZ-2.5	SPX1004N-2.5	Precision Voltage Reference	3 TO-92	Pin to Pin
Linear Technology	LT1005CT	SPX1587AU	3A NPN LDO Voltage Regulator	3 TO-220	Functional Equivalent
Linear Technology	LT1080CN	SP310ECP	Enhanced 5V Only RS-232, 2 Drivers, 2 Receivers, Shutdown	18 PDIP	Pin to Pin
Linear Technology	LT1080CS	SP310ECT	Enhanced 5V Only RS-232, 2 Drivers, 2 Receivers, Shutdown	18 SOIC	Pin to Pin
Linear Technology	LT1080IN	SP310EEP	Enhanced 5V Only RS-232, 2 Drivers, 2 Receivers, Shutdown	18 PDIP	Pin to Pin
Linear Technology	LT1080MJ/883	SP310ACP	Enhanced 5V Only RS-232, 2 Drivers, 2 Receivers, Shutdown	18 PDIP	Pin to Pin
Linear Technology	LT1080MJ/883	SP310AEP	Enhanced 5V Only RS-232, 2 Drivers, 2 Receivers, Shutdown	18 PDIP	Pin to Pin
Linear Technology	LT1081CN	SP232ECP	High Performance 5V Only RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
Linear Technology	LT1081CS	SP232ECT	High Performance 5V Only RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Linear Technology	LT1081CSW	SP232EET	High Performance 5V Only RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Linear Technology	LT1081IN	SP232EEP	High Performance 5V Only RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
Linear Technology	LT1084CT	SPX1585AU	5A NPN LDO Voltage Regulator	3 TO-220	Pin to Pin
Linear Technology	LT1084CT-3.3	SPX1585AU-3.3	5A NPN LDO Voltage Regulator	3 TO-220	Pin to Pin
Linear Technology	LT1084CT5.0	SPX1585AU-5.0	5A NPN LDO Voltage Regulator	3 TO-220	Pin to Pin
Linear Technology	LT1085CM	SPX1587AT	3A NPN LDO Voltage Regulator	3 TO-263	Pin to Pin
Linear Technology	LT1085CM-3.3	SPX1587AT-3.3	3A NPN LDO Voltage Regulator	3 TO-263	Pin to Pin
Linear Technology	LT1085CM-5.0	SPX1587AT-5.0	3A NPN LDO Voltage Regulator	3 TO-263	Pin to Pin
Linear Technology	LT1085CT	SPX1587AU	3A NPN LDO Voltage Regulator	3 TO-220	Pin to Pin
Linear Technology	LT1085CT-3.3	SPX1587AU-3.3	3A NPN LDO Voltage Regulator	3 TO-220	Pin to Pin
Linear Technology	LT1085CT-5.0	SPX1587AU-5.0	3A NPN LDO Voltage Regulator	3 TO-220	Pin to Pin
Linear Technology	LT1086CM	SPX2815AT	1.5A NPN LDO Voltage Regulator	3 TO-263	Pin to Pin
Linear Technology	LT1086CM-5.0	SPX2815AT-5.0	1.5A NPN LDO Voltage Regulator	3 TO-263	Pin to Pin
Linear Technology	LT1086CT	SPX2815AU	1.5A NPN LDO Voltage Regulator	3 TO-220	Pin to Pin
Linear Technology	LT1086CT-3.3	SPX2815AU-3.3	1.5A NPN LDO Voltage Regulator	3 TO-220	Pin to Pin
Linear Technology	LT1086CT-5.0	SPX2815AU-5.0	1.5A NPN LDO Voltage Regulator	3 TO-220	Pin to Pin
Linear Technology	LT1117CM	SPX1117T	800mA NPN Low Dropout Voltage Regulator	3 TO-263	Pin to Pin
Linear Technology	LT1117CM-2.5	SPX1117T-2.5	800mA NPN Low Dropout Voltage Regulator	3 TO-263	Pin to Pin
Linear Technology	LT1117CM-3.3	SPX1117T-3.3	800mA NPN Low Dropout Voltage Regulator	3 TO-263	Pin to Pin
Linear Technology	LT1117CST	SPX1117M3	800mA NPN Low Dropout Voltage Regulator	3 SOT-223	Pin to Pin
Linear Technology	LT1117CST-2.5	SPX1117M3-2.5	800mA NPN Low Dropout Voltage Regulator	3 SOT-223	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Linear Technology	LT1117CST-2.85	SPX1117M3-2.85	800mA NPN Low Dropout Voltage Regulator	3 SOT-223	Pin to Pin
Linear Technology	LT1117CST-3.3	SPX1117M3-3.3	800mA NPN Low Dropout Voltage Regulator	3 SOT-223	Pin to Pin
Linear Technology	LT1117CST-5	SPX1117M3	800mA NPN Low Dropout Voltage Regulator	3 SOT-223	Functional Equivalent
Linear Technology	LT1117CT	SPX1117U	800mA NPN Low Dropout Voltage Regulator	3 SOT-223	Pin to Pin
Linear Technology	LT1117IST	SPX1117M3	800mA NPN Low Dropout Voltage Regulator	3 SOT-223	Functional Equivalent
Linear Technology	LT1117IST-2.85	SPX1117M3-2.85	800mA NPN Low Dropout Voltage Regulator	3 SOT-223	Pin to Pin
Linear Technology	LT1117IST-3.3	SPX1117M3-3.3	800mA NPN Low Dropout Voltage Regulator	3 SOT-223	Pin to Pin
Linear Technology	LT1117IST-5	SPX1117M3	800mA NPN Low Dropout Voltage Regulator	3 SOT-223	Functional Equivalent
Linear Technology	LT1180CN	SP310ECP	Enhanced 5V Only RS-232, 2 Drivers, 2 Receivers, Shutdown	18 PDIP	Pin to Pin
Linear Technology	LT1180CS	SP310ECT	Enhanced 5V Only RS-232, 2 Drivers, 2 Receivers, Shutdown	18 SOIC	Pin to Pin
Linear Technology	LT1180IN	SP310EEP	Enhanced 5V Only RS-232, 2 Drivers, 2 Receivers, Shutdown	18 PDIP	Pin to Pin
Linear Technology	LT1180MJ/883	SP230AEP	5V Powered Multichannel RS-232 Drivers/Receivers	20 PDIP	Pin to Pin
Linear Technology	LT1181ACN	SP232ECP	High Performance 5V Only RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
Linear Technology	LT1181ACS	SP232ECT	High Performance 5V Only RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Linear Technology	LT1181AIN	SP232EEP	High Performance 5V Only RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
Linear Technology	LT1181CN	SP232ECP	High Performance 5V Only RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
Linear Technology	LT1181CS	SP232ECT	High Performance 5V Only RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Linear Technology	LT1181IN	SP232AEP	5V Only RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
Linear Technology	LT1381CN	SP232ECP	High Performance 5V Only RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
Linear Technology	LT1381CS	SP232ECN	High Performance 5V Only RS-232, 2 Drivers, 2 Receivers	16 NSOIC	Pin to Pin
Linear Technology	LT1580CQ	SPX1580T5	7A NPN Ultra LDO Voltage Regulator	5 TO-263	Pin to Pin
Linear Technology	LT1580CQ-2.5	SPX1580T5-2.5	7A NPN Ultra LDO Voltage Regulator	5 TO-263	Pin to Pin
Linear Technology	LT1580CT	SPX1580U5	7A NPN Ultra LDO Voltage Regulator	5 TO-220	Pin to Pin
Linear Technology	LT1580CT-2.5	SPX1580U5-2.5	7A NPN Ultra LDO Voltage Regulator	5 TO-220	Pin to Pin
Linear Technology	LT1581CQ	SPX1581T5	5A Low Dropout NPN Voltage Regulator	5 TO-263	Pin to Pin
Linear Technology	LT1581CQ-2.5	SPX1581T5-2.5	5A Low Dropout NPN Voltage Regulator	5 TO-263	Pin to Pin
Linear Technology	LT1581CT	SPX1581U5	5A Low Dropout NPN Voltage Regulator	5 TO-220	Pin to Pin
Linear Technology	LT1581CT-2.5	SPX1581U5-2.5	5A Low Dropout NPN Voltage Regulator	5 TO-220	Pin to Pin
Linear Technology	LT1582CQ	SPX1582T5	3A NPN Ultra LDO Voltage Regulator	5 TO-263	Pin to Pin
Linear Technology	LT1582CQ-2.5	SPX1582T5-2.5	3A NPN Ultra LDO Voltage Regulator	5 TO-263	Pin to Pin
Linear Technology	LT1582CT	SPX1582U5	3A NPN Ultra LDO Voltage Regulator	5 TO-220	Pin to Pin
Linear Technology	LT1582CT-2.5	SPX1582U5-2.5	3A NPN Ultra LDO Voltage Regulator	5 TO-220	Pin to Pin
Linear Technology	LT1583CT	SPX1583U5	3A NPN Ultra LDO Voltage Regulator	5 TO-220	Pin to Pin
Linear Technology	LT1583CT-2.5	SPX1583U5-2.5	3A NPN Ultra LDO Voltage Regulator	5 TO-220	Pin to Pin
Linear Technology	LT1584CT	SPX1584AU	8A NPN LDO Voltage Regulator	3 TO-220	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Linear Technology	LT1584CT-3.3	SPX1584AU-3.3	8A NPN LDO Voltage Regulator	3 TO-220	Pin to Pin
Linear Technology	LT1585CQ	SPX1585AT	5A NPN LDO Voltage Regulator	3 TO-263	Pin to Pin
Linear Technology	LT1585CT	SPX1585AU	5A NPN LDO Voltage Regulator	3 TO-220	Pin to Pin
Linear Technology	LT1585CT3.3	SPX1585AU-3.3	5A NPN LDO Voltage Regulator	3 TO-220	Pin to Pin
Linear Technology	LT1585CT-3.3	SPX1585AT-3.3	5A NPN LDO Voltage Regulator	3 TO-263	Pin to Pin
Linear Technology	LT1585CT-5.0	SPX1585AT-5.0	5A NPN LDO Voltage Regulator	3 TO-263	Pin to Pin
Linear Technology	LT1585CT-5.0	SPX1585AU-5.0	5A NPN LDO Voltage Regulator	3 TO-220	Pin to Pin
Linear Technology	LT1587CM	SPX1587AT	3A NPN LDO Voltage Regulator	3 TO-263	Pin to Pin
Linear Technology	LT1587CM-3.3	SPX1587AT-3.3	3A NPN LDO Voltage Regulator	3 TO-263	Pin to Pin
Linear Technology	LT1587CT	SPX1587AU	3A NPN LDO Voltage Regulator	3 TO-220	Pin to Pin
Linear Technology	LT1587CT-3.3	SPX1587AU-3.3	3A NPN LDO Voltage Regulator	3 TO-220	Pin to Pin
Linear Technology	LT1615	SP6690	Micro Power Boost Regulator Series White LED Driver	5 SOT-23	Pin to Pin
Linear Technology	LT1615-1	SP4446	Micro Power Boost Regulator	5 SOT-23	Closest Existing
Linear Technology	LT1615ES5	SP4446EK	High Voltage Boost Converter	5 SOT-23	Pin to Pin
Linear Technology	LT1615ES5-1	SP4446EK	High Voltage Boost Converter	5 SOT-23	Pin to Pin
Linear Technology	LT1649	SP6128	Low Voltage, Synchronous Buck Controller	14 TSSOP	Closest Existing
Linear Technology	LT1963EQ	SPX29302T5	3A High Current, Low Dropout Voltage Regulator	5 TO-263	Pin to Pin
Linear Technology	LT1963EST-1.8	SPX3940AM3-1.8	1A Low Dropout Voltage Regulator, Fixed Output, Fast Response	3 SOT-23	Closest Existing
Linear Technology	LT1963EST-2.5	SPX3940AM3-2.5	1A Low Dropout Voltage Regulator, Fixed Output, Fast Response	3 SOT-23	Closest Existing
Linear Technology	LT1963EST-3.3	SPX3940AM3-3.3	1A Low Dropout Voltage Regulator, Fixed Output, Fast Response	3 SOT-23	Closest Existing
Linear Technology	LT1963ET	SPX29302U5	3A High Current, Low Dropout Voltage Regulator	5 TO-220	Pin to Pin
Linear Technology	LTC1385CG	SP385ECA	Enhanced 3V or 5V RS-562 Line Driver/Receiver	20 SSOP	Pin to Pin
Linear Technology	LTC1385CS	SP385ECT	Enhanced 3V or 5V RS-562 Line Driver/Receiver	18 SOIC	Pin to Pin
Linear Technology	LTC1480CN8	SP3494CP	+3.3V, Low Power, 2.5Mbps, Slew Rate Limited Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Linear Technology	LTC1480CS8	SP3494CN	+3.3V, Low Power, 2.5Mbps, Slew Rate Limited Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Linear Technology	LTC1480IN8	SP3494EP	+3.3V, Low Power, 2.5Mbps, Slew Rate Limited Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Linear Technology	LTC1480IS8	SP3494EN	+3.3V, Low Power, 2.5Mbps, Slew Rate Limited Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Linear Technology	LTC1481CN8	SP481ECP	Enhanced Half Duplex, 5Mbps, RS-485 Transceivers, Shutdown	8 PDIP	Pin to Pin
Linear Technology	LTC1481CS8	SP481ECN	Enhanced Half Duplex, 5Mbps, RS-485 Transceivers, Shutdown	8 NSOIC	Pin to Pin
Linear Technology	LTC1481IN8	SP481EEP	Enhanced Half Duplex, 5Mbps, RS-485 Transceivers, Shutdown	8 PDIP	Pin to Pin
Linear Technology	LTC1481IS8	SP481EEN	Enhanced Half Duplex, 5Mbps, RS-485 Transceivers, Shutdown	8 NSOIC	Pin to Pin
Linear Technology	LTC1483CN8	SP483CS	Half Duplex, .25Mbps RS-485 Transceivers, Shutdown, Low EMI	8 PDIP	Pin to Pin
Linear Technology	LTC1483CS8	SP483CN	Half Duplex, .25Mbps RS-485 Transceivers, Shutdown, Low EMI	8 NSOIC	Pin to Pin
Linear Technology	LTC1483IN8	SP483ES	Half Duplex, .25Mbps RS-485 Transceivers, Shutdown, Low EMI	8 PDIP	Pin to Pin
Linear Technology	LTC1483IS8	SP483EN	Half Duplex, .25Mbps RS-485 Transceivers, Shutdown, Low EMI	8 NSOIC	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Linear Technology	LTC1485CN8	SP485ECP	Enhanced Low Power Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Linear Technology	LTC1485CS8	SP485ECN	Enhanced Low Power Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Linear Technology	LTC1487CN8	SP485ECP	Enhanced Low Power Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Linear Technology	LTC1487CS8	SP485ECN	Enhanced Low Power Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Linear Technology	LTC3405	SP6655	High Efficiency 400mA Buck Regulator	10 DFN	Closest Existing
Linear Technology	LTC485CN8	SP485ECP	Enhanced Low Power Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Linear Technology	LTC485CS8	SP485CN	Low Power Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Linear Technology	LTC485IN8	SP485ES	Low Power Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Linear Technology	LTC485IS8	SP485EN	Low Power Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Linear Technology	LTC485MJ8	SP485CS	Low Power Half Duplex RS-485 Transceivers	8 PDIP	Functional Equivalent
Linear Technology	LTC485MJ8	SP485ES	Low Power Half Duplex RS-485 Transceivers	8 PDIP	Functional Equivalent
Linear Technology	LTC486CN	SP486CS	Quad RS-485 Drivers, Common Enable	16 PDIP	Pin to Pin
Linear Technology	LTC486CS	SP486CT	Quad RS-485 Drivers, Common Enable	16 SOIC	Pin to Pin
Linear Technology	LTC486CSW	SP3486CT	3.3V, low power, 10 Mbps quad RS-485 drivers	16 SOIC	Pin to Pin
Linear Technology	LTC486CSW	SP3486ET	3.3V, low power, 10 Mbps quad RS-485 drivers	16 SOIC	Pin to Pin
Linear Technology	LTC487CN	SP487CS	Quad RS-485/RS-422 Line Drivers	16 PDIP	Pin to Pin
Linear Technology	LTC487CS	SP487CT	Quad RS-485/RS-422 Line Drivers	16 SOIC	Pin to Pin
Linear Technology	LTC487CSW	SP3487CT	3.3V, low power, 10 Mbps quad RS-485 drivers	16 SOIC	Pin to Pin
Linear Technology	LTC487CSW	SP3487ET	3.3V, low power, 10 Mbps quad RS-485 drivers	16 SOIC	Pin to Pin
Linear Technology	LTC488CN	SP488CS	Quad RS-485/RS-422 Line Receivers	16 PDIP	Pin to Pin
Linear Technology	LTC488CS	SP488CT	Quad RS-485/RS-422 Line Receivers	16 SOIC	Pin to Pin
Linear Technology	LTC488IN	SP488ES	Quad RS-485/RS-422 Line Receivers	16 PDIP	Pin to Pin
Linear Technology	LTC488IS	SP488ET	Quad RS-485/RS-422 Line Receivers	16 SOIC	Pin to Pin
Linear Technology	LTC489CN	SP489CS	Quad RS-485/RS-422 Line Receivers	16 PDIP	Pin to Pin
Linear Technology	LTC489CS	SP489CT	Quad RS-485/RS-422 Line Receivers	16 SOIC	Pin to Pin
Linear Technology	LTC489IN	SP489ES	Quad RS-485/RS-422 Line Receivers	16 PDIP	Pin to Pin
Linear Technology	LTC489IS	SP489ET	Quad RS-485/RS-422 Line Receivers	16 SOIC	Pin to Pin
Linear Technology	LTC490CN8	SP490CS	Full Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Linear Technology	LTC490CS8	SP490CN	Full Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Linear Technology	LTC490IN8	SP490EP	Full Duplex, 5Mbps, RS-485 Driver and Receiver	8 PDIP	Pin to Pin
Linear Technology	LTC490IS8	SP490EN	Full Duplex, 5Mbps, RS-485 Driver and Receiver	8 NSOIC	Pin to Pin
Linear Technology	LTC491CN	SP491CP	Full Duplex, 5Mbps, RS-485 Driver and Receiver, Driver and Receiver, Tri-state	14 PDIP	Pin to Pin
Linear Technology	LTC491CS	SP491CN	Full Duplex, 5Mbps, RS-485 Driver and Receiver, Driver and Receiver, Tri-state	14 NSOIC	Pin to Pin
Linear Technology	LTC491IN	SP491EP	Full Duplex, 5Mbps, RS-485 Driver and Receiver, Driver and Receiver, Tri-state	14 PDIP	Pin to Pin
Linear Technology	LTC491IS	SP491EN	Full Duplex, 5Mbps, RS-485 Driver and Receiver, Driver and Receiver, Tri-state	14 NSOIC	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Linear Technology	LTC660CN8	SP6660CP	3V Charge Pump DC to DC Converter	8 PDIP	Pin to Pin
Linear Technology	LTC660CS8	SP6660CN	3V Charge Pump DC to DC Converter	8 NSOIC	Pin to Pin
Linear Technology	LTC690CN8	SP690ACP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Linear Technology	LTC690CS8	SP690ACN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Linear Technology	LTC690IN8	SP690AEP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Linear Technology	LTC690IS8	SP690AEN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Linear Technology	LTC691CN	SP691ACP	Low Power Supervisory IC With Battery Switch-Over	8 PDIP	Pin to Pin
Linear Technology	LTC691CS	SP691ACN	Low Power Supervisory IC With Battery Switch-Over	8 NSOIC	Pin to Pin
Linear Technology	LTC691IN	SP691AEP	Low Power Supervisory IC With Battery Switch-Over	8 PDIP	Pin to Pin
Linear Technology	LTC691IS	SP691AEN	Low Power Supervisory IC With Battery Switch-Over	8 NSOIC	Pin to Pin
Linear Technology	LTC692CN8	SP692ACP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Linear Technology	LTC692CS8	SP692ACN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Linear Technology	LTC692IN8	SP692AEP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Linear Technology	LTC692IS8	SP692AEN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Linear Technology	LTC694CN8	SP690ACP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Linear Technology	LTC694CS8	SP690ACN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Linear Technology	LTC694IN8	SP690AEP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Linear Technology	LTC694IS8	SP690AEN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Linear Technology	LTC2844	SP3508	3V, 20 Mbps Multiprotocol Transceiver	100 Pin LQFP	Closest Existing
Linear Technology	LTC2845	SP3508	3V, 20 Mbps Multiprotocol Transceiver	100 Pin LQFP	Closest Existing
Linear Technology	LTC2846	SP3508	3V, 20 Mbps Multiprotocol Transceiver	100 Pin LQFP	Closest Existing
Linear Technology	LTC1543	SP508	Enhanced 20Mbps Multiprotocol Serial Interface Transceiver (DTE and DCE)	100 Pin LQFP	Closest Existing
Linear Technology	LTC1544	SP508	Enhanced 20Mbps Multiprotocol Serial Interface Transceiver (DTE and DCE)	100 Pin LQFP	Closest Existing
Linear Technology	LTC1320	SP333	5V only RS-232 / Apple Talk Programmable Transceiver	80 Pin MQFP	Closest Existing
Linear Technology	LTC1321	SP331	Programmable RS-232/RS-485 Transceiver	28-Pin SOIC	Closest Existing
Linear Technology	LTC1322	SP331	Programmable RS-232/RS-485 Transceiver	28-Pin SOIC	Closest Existing
Linear Technology	LTC1323	SP333	5V only RS-232 / Apple Talk Programmable Transceiver	28-Pin SOIC	Closest Existing
Linear Technology	LTC1324	SP333	5V only RS-232 / Apple Talk Programmable Transceiver	28-Pin SOIC	Closest Existing
Linear Technology	LTC1334	SP334	Programmable RS-232/RS-485 Transceiver	28-Pin SOIC	Closest Existing
Linear Technology	LTC1335	SP334	Programmable RS-232/RS-485 Transceiver	28-Pin SOIC	Closest Existing
Linear Technology	LTC1387	SP332	RS-232/RS-485 Multimode Serial Transceiver	28-Pin SOIC	Closest Existing
Linear Technology	LTC1343	SP508	Enhanced 20Mbps Multiprotocol Serial Interface Transceiver (DTE and DCE)	100 Pin LQFP	Closest Existing
Linear Technology	LTC1344	SP508	Enhanced 20Mbps Multiprotocol Serial Interface Transceiver (DTE and DCE)	100 Pin LQFP	Closest Existing
Linear Technology	LTC1345	SP319	Complete 5V only V.35 Interface with RS-232 Control Lines	80 Pin MQFP	Closest Existing
Linear Technology	LTC1346	SP319	Complete 5V only V.35 Interface with RS-232 Control Lines	80 Pin MQFP	Closest Existing



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Linear Technology	LTC1543	SP508	Enhanced 20Mbps Multiprotocol Serial Interface Transceiver (DTE and DCE)	100 Pin LQFP	Closest Existing
Linear Technology	LTC1544	SP508	Enhanced 20Mbps Multiprotocol Serial Interface Transceiver (DTE and DCE)	100 Pin LQFP	Closest Existing
Linear Technology	LTC1545	SP508	Enhanced 20Mbps Multiprotocol Serial Interface Transceiver (DTE and DCE)	100 Pin LQFP	Closest Existing
Linear Technology	LTC1546	SP508	Enhanced 20Mbps Multiprotocol Serial Interface Transceiver (DTE and DCE)	100 Pin LQFP	Closest Existing

### Maxim

Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Maxim	5962-9456502MVA	SP230ACP	5V Powered Multi-Channel RS-232 Drivers/Receivers	20 PDIP	Pin to Pin
Maxim	5962-9456502MVA	SP230AEP	5V Powered Multi-Channel RS-232 Drivers/Receivers	20 PDIP	Pin to Pin
Maxim	MAX1487CPA	SP485RCP	Enhanced Low Power Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX1487CSA	SP485RCN	Enhanced Low Power Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX1720EUT	SP6830EK	Low Power Voltage Inverter With Shutdown	6 SOT-23	Pin to Pin
Maxim	MAX1721EUT	SP6831EK	Low Power Voltage Inverter With Shutdown	6 SOT-23	Pin to Pin
Maxim	MAX1733	SP6655	High Efficiency 400mA Buck Regulator	10 DFN	Closest Existing
Maxim	MAX1818	SPX3819	500 mA Low-Noise LDO Voltage Regulator	3 TO-263	Closest Existing
Maxim	MAX1848	SP6690	Micro Power Boost Regulator Series White LED Driver	5 SOT-23	Closest Existing
Maxim	MAX1960	SP6128	Low Voltage, Synchronous Buck Controller	14 TSSOP	Closest Existing
Maxim	MAX200CPP	SP200CP	5V Only RS-232, 5 Drivers, 0 Receivers, Shutdown	20 PDIP	Pin to Pin
Maxim	MAX200CWP	SP200CT	5V Only RS-232, 5 Drivers, 0 Receivers, Shutdown	20 SOIC	Pin to Pin
Maxim	MAX200EPP	SP200EP	5V Only RS-232, 5 Drivers, 0 Receivers, Shutdown	20 PDIP	Pin to Pin
Maxim	MAX200EWP	SP200ET	5V Only RS-232, 5 Drivers, 0 Receivers, Shutdown	20 SOIC	Pin to Pin
Maxim	MAX201CPD	SP231ACP	5V and 12V RS-232, 2 Drivers, 2 Receivers	14 PDIP	Pin to Pin
Maxim	MAX201CWE	SP231ACT	5V and 12V RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Maxim	MAX201EPD	SP231AEP	5V and 12V RS-232, 2 Drivers, 2 Receivers	14 PDIP	Pin to Pin
Maxim	MAX201EWE	SP231AET	5V and 12V RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Maxim	MAX202CPE	SP202ECP	High Performance 5V RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
Maxim	MAX202CSE	SP202ECN	High Performance 5V RS-232, 2 Drivers, 2 Receivers	16 NSOIC	Pin to Pin
Maxim	MAX202CWE	SP202ECT	High Performance 5V RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Maxim	MAX202ECPE	SP202ECP	High Performance 5V RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
Maxim	MAX202ECSE	SP202ECN	High Performance 5V RS-232, 2 Drivers, 2 Receivers	16 NSOIC	Pin to Pin
Maxim	MAX202ECWE	SP202ECT	High Performance 5V RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Maxim	MAX202EEPE	SP202EEP	High Performance 5V RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
Maxim	MAX202EESE	SP202EEN	High Performance 5V RS-232, 2 Drivers, 2 Receivers	16 NSOIC	Pin to Pin
Maxim	MAX202EEWE	SP202EET	High Performance 5V RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Maxim	MAX202EPE	SP202EEP	High Performance 5V RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Maxim	MAX202ESE	SP202EEN	High Performance 5V RS-232, 2 Drivers, 2 Receivers	16 NSOIC	Pin to Pin
Maxim	MAX202EWE	SP202EET	High Performance 5V RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Maxim	MAX203CPP	SP233ACP	5V Only RS-232, 2 Drivers, 2 Receivers, No External Capacitors	20 PDIP	Pin to Pin
Maxim	MAX203CWP	SP233ACT	5V Only RS-232, 2 Drivers, 2 Receivers, No External Capacitors	20 SOIC	Pin to Pin
Maxim	MAX203EPP	SP233AEP	5V Only RS-232, 2 Drivers, 2 Receivers, No External Capacitors	20 PDIP	Pin to Pin
Maxim	MAX203EWP	SP233AET	5V Only RS-232, 2 Drivers, 2 Receivers, No External Capacitors	20 SOIC	Pin to Pin
Maxim	MAX204CPE	SP204CP	5V Only RS-232, 4 Drivers, 0 Receivers	16 PDIP	Pin to Pin
Maxim	MAX204CWE	SP204CT	5V Only RS-232, 4 Drivers, 0 Receivers	16 SOIC	Pin to Pin
Maxim	MAX204EPE	SP204EP	5V Only RS-232, 4 Drivers, 0 Receivers	16 PDIP	Pin to Pin
Maxim	MAX204EWE	SP204ET	5V Only RS-232, 4 Drivers, 0 Receivers	16 SOIC	Pin to Pin
Maxim	MAX204MJE	SP204CP	5V Only RS-232, 4 Drivers, 0 Receivers	16 PDIP	Pin to Pin
Maxim	MAX205CPG	SP205CP	5V Only RS-232, 5 Drivers, 5 Receivers, Shutdown, Tri-state, No External Capacitors	24 WPDIP	Pin to Pin
Maxim	MAX205EPG	SP205EP	5V Only RS-232, 5 Drivers, 5 Receivers, Shutdown, Tri-state, No External Capacitors	24 PDIP	Pin to Pin
Maxim	MAX206CAG	SP206CA	5V Only RS-232, 4 Drivers, 3 Receivers, Shutdown, Tri-state	24 SSOP	Pin to Pin
Maxim	MAX206CNG	SP206CP	5V Only RS-232, 4 Drivers, 3 Receivers, Shutdown, Tri-state	24 PDIP	Pin to Pin
Maxim	MAX206CWG	SP206CT	5V Only RS-232, 4 Drivers, 3 Receivers, Shutdown, Tri-state	24 SOIC	Pin to Pin
Maxim	MAX206EAG	SP206EA	5V Only RS-232, 4 Drivers, 3 Receivers, Shutdown, Tri-state	24 SSOP	Pin to Pin
Maxim	MAX206ENG	SP206EP	5V Only RS-232, 4 Drivers, 3 Receivers, Shutdown, Tri-state	24 PDIP	Pin to Pin
Maxim	MAX206EWG	SP206ET	5V Only RS-232, 4 Drivers, 3 Receivers, Shutdown, Tri-state	24 SOIC	Pin to Pin
Maxim	MAX206MRG	SP206BCP	5V Only RS-232, 4 Drivers, 3 Receivers, Shutdown, Tri-state	24 PDIP	Pin to Pin
Maxim	MAX207CAG	SP207CA	5V Only RS-232, 5 Drivers, 3 Receivers	24 SSOP	Pin to Pin
Maxim	MAX207CNG	SP207CP	5V Only RS-232, 5 Drivers, 3 Receivers	24 PDIP	Pin to Pin
Maxim	MAX207CWG	SP207CT	5V Only RS-232, 5 Drivers, 3 Receivers	24 SOIC	Pin to Pin
Maxim	MAX207EAG	SP207EA	5V Only RS-232, 5 Drivers, 3 Receivers	24 SSOP	Pin to Pin
Maxim	MAX207ECAG	SP207ECA	High Performance 5V RS-232, 5 Drivers, 3 Receivers	24 SSOP	Pin to Pin
Maxim	MAX207ECNG	SP207ECP	High Performance 5V RS-232, 5 Drivers, 3 Receivers	24 PDIP	Pin to Pin
Maxim	MAX207ECWG	SP207ECT	High Performance 5V RS-232, 5 Drivers, 3 Receivers	24 SOIC	Pin to Pin
Maxim	MAX207EEAG	SP207EEA	High Performance 5V RS-232, 5 Drivers, 3 Receivers	24SSOP	Pin to Pin
Maxim	MAX207EENG	SP207EEP	High Performance 5V RS-232, 5 Drivers, 3 Receivers	24 PDIP	Pin to Pin
Maxim	MAX207EEWG	SP207EET	High Performance 5V RS-232, 5 Drivers, 3 Receivers	24 SOIC	Pin to Pin
Maxim	MAX207ENG	SP207EP	5V Only RS-232, 5 Drivers, 3 Receivers	24 PDIP	Pin to Pin
Maxim	MAX207EWG	SP207ET	5V Only RS-232, 5 Drivers, 3 Receivers	24 SOIC	Pin to Pin
Maxim	MAX208CAG	SP208CA	5V Only RS-232, 4 Drivers, 4 Receivers	24 SSOP	Pin to Pin
Maxim	MAX208CNG	SP208CP	5V Only RS-232, 4 Drivers, 4 Receivers	24 PDIP	Pin to Pin
Maxim	MAX208CWG	SP208CT	5V Only RS-232, 4 Drivers, 4 Receivers	24 SOIC	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Maxim	MAX208EAG	SP208EA	5V Only RS-232, 4 Drivers, 4 Receivers	24 SSOP	Pin to Pin
Maxim	MAX208ECAG	SP208ECA	High Performance 5V RS-232, 4 Drivers, 4 Receivers	24 SSOP	Pin to Pin
Maxim	MAX208ECNG	SP208ECP	High Performance 5V RS-232, 4 Drivers, 4 Receivers	24 PDIP	Pin to Pin
Maxim	MAX208ECWG	SP208ECT	High Performance 5V RS-232, 4 Drivers, 4 Receivers	24 SOIC	Pin to Pin
Maxim	MAX208EEAG	SP208EEA	High Performance 5V RS-232, 4 Drivers, 4 Receivers	24 SSOP	Pin to Pin
Maxim	MAX208EENG	SP208EEP	High Performance 5V RS-232, 4 Drivers, 4 Receivers	24 PDIP	Pin to Pin
Maxim	MAX208EEWG	SP208EET	High Performance 5V RS-232, 4 Drivers, 4 Receivers	24 SOIC	Pin to Pin
Maxim	MAX208ENG	SP208EP	5V Only RS-232, 4 Drivers, 4 Receivers	24 PDIP	Pin to Pin
Maxim	MAX208EWG	SP208ET	5V Only RS-232, 4 Drivers, 4 Receivers	24 SOIC	Pin to Pin
Maxim	MAX211CAI	SP211CA	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SSOP	Pin to Pin
Maxim	MAX211CWI	SP211CT	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SOIC	Pin to Pin
Maxim	MAX211EAI	SP211EA	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SSOP	Pin to Pin
Maxim	MAX211ECAI	SP211ECA	Enhanced 5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SSOP	Pin to Pin
Maxim	MAX211ECWI	SP211ECT	Enhanced 5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SOIC	Pin to Pin
Maxim	MAX211EEAI	SP211EEA	Enhanced 5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SSOP	Pin to Pin
Maxim	MAX211EEWI	SP211EET	Enhanced 5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SOIC	Pin to Pin
Maxim	MAX211EWI	SP211ET	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SOIC	Pin to Pin
Maxim	MAX213CAI	SP213CA	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SSOP	Pin to Pin
Maxim	MAX213CWI	SP213CT	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SOIC	Pin to Pin
Maxim	MAX213EAI	SP213EA	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28SSOP	Pin to Pin
Maxim	MAX213ECAI	SP213ECA	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SSOP	Pin to Pin
Maxim	MAX213ECWI	SP213ECT	Enhanced 5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state, Wake-up	28 SOIC	Pin to Pin
Maxim	MAX213EEAI	SP213EEA	Enhanced 5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state, Wake-up	28 SSOP	Pin to Pin
Maxim	MAX213EEWI	SP213EET	Enhanced 5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state, Wake-up	28 SOIC	Pin to Pin
Maxim	MAX213EWI	SP213ET	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state, Wake-up	28 SOIC	Pin to Pin
Maxim	MAX222CPN	SP310ACP	5V Only RS-232, 2 Drivers, 2 Receivers, Shutdown	18 PDIP	Pin to Pin
Maxim	MAX222CWN	SP310ACT	5V Only RS-232, 2 Drivers, 2 Receivers, Shutdown	18 SOIC	Pin to Pin
Maxim	MAX222EPN	SP310AEP	5V Only RS-232, 2 Drivers, 2 Receivers, Shutdown	18 PDIP	Pin to Pin
Maxim	MAX222EWN	SP310AET	5V Only RS-232, 2 Drivers, 2 Receivers, Shutdown	18 SOIC	Pin to Pin
Maxim	MAX230CPP	SP230ACP	5V Only RS-232, 5 Drivers, 0 Receivers, Shutdown	20 PDIP	Pin to Pin
Maxim	MAX230CWP	SP230ACT	5V Only RS-232, 5 Drivers, 0 Receivers, Shutdown	20 SOIC	Pin to Pin
Maxim	MAX230EPP	SP230AEP	5V Only RS-232, 5 Drivers, 0 Receivers, Shutdown	20 PDIP	Pin to Pin
Maxim	MAX230EWP	SP230AET	5V Only RS-232, 5 Drivers, 0 Receivers, Shutdown	20 SOIC	Pin to Pin
Maxim	MAX230MJP/883B	SP200CP	5v High Speed RS-232 Transceivers with 0.1uF Capacitors	20 PDIP	Pin to Pin
Maxim	MAX230MJP/883B	SP200EP	5v High Speed RS-232 Transceivers with 0.1uF Capacitors	20 PDIP	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Maxim	MAX231CPD	SP231ACP	5V and 12V RS-232, 2 Drivers, 2 Receivers	14 PDIP	Pin to Pin
Maxim	MAX231CWE	SP231ACT	5V and 12V RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Maxim	MAX231EPD	SP231AEP	5V and 12V RS-232, 2 Drivers, 2 Receivers	14 PDIP	Pin to Pin
Maxim	MAX231EWE	SP231AET	5V and 12V RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Maxim	MAX231MJD	SP231AEP	5V and 12V RS-232, 2 Drivers, 2 Receivers	14 PDIP	Functional Equivalent
Maxim	MAX231MJD/883	SP231ACP	5V and 12V RS-232, 2 Drivers, 2 Receivers	14 PDIP	Pin to Pin
Maxim	MAX231MJD/883B	SP231AEP	5V and 12V RS-232, 2 Drivers, 2 Receivers	14 PDIP	Pin to Pin
Maxim	MAX232ACPE	SP232ACP	5V Only RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
Maxim	MAX232ACSE	SP232ACN	5V Only RS-232, 2 Drivers, 2 Receivers	16 NSOIC	Pin to Pin
Maxim	MAX232ACWE	SP232ACT	5V Only RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Maxim	MAX232AEPE	SP232AEP	5V Only RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
Maxim	MAX232AESE	SP232AEN	5V Only RS-232, 2 Drivers, 2 Receivers	16 NSOIC	Pin to Pin
Maxim	MAX232AEWE	SP232AET	5V Only RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Maxim	MAX232CPE	SP232ACP	5V Only RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
Maxim	MAX232CSE	SP232ACN	5V Only RS-232, 2 Drivers, 2 Receivers	16 NSOIC	Pin to Pin
Maxim	MAX232CWE	SP232ACT	5V Only RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Maxim	MAX232ECPE	SP232ECP	High Performance 5V Only RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
Maxim	MAX232ECSE	SP232ECN	High Performance 5V Only RS-232, 2 Drivers, 2 Receivers	16 NSOIC	Pin to Pin
Maxim	MAX232ECWE	SP232ECT	High Performance 5V Only RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Maxim	MAX232EEPE	SP232EEP	High Performance 5V Only RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
Maxim	MAX232EESE	SP232EEN	High Performance 5V Only RS-232, 2 Drivers, 2 Receivers	16 NSOIC	Pin to Pin
Maxim	MAX232EEWE	SP232EET	High Performance 5V Only RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Maxim	MAX232EPE	SP232AEP	5V Only RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
Maxim	MAX232ESE	SP232AEN	5V Only RS-232, 2 Drivers, 2 Receivers	16 NSOIC	Pin to Pin
Maxim	MAX232EWE	SP232AET	5V Only RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
Maxim	MAX233ACPP	SP233ACP	5V Only RS-232, 2 Drivers, 2 Receivers, No External Capacitors	20 PDIP	Pin to Pin
Maxim	MAX233ACWP	SP233ACT	5V Only RS-232, 2 Drivers, 2 Receivers, No External Capacitors	20 SOIC	Pin to Pin
Maxim	MAX233AEPP	SP233AEP	5V Only RS-232, 2 Drivers, 2 Receivers, No External Capacitors	20 PDIP	Pin to Pin
Maxim	MAX233AEWP	SP233AET	5V Only RS-232, 2 Drivers, 2 Receivers, No External Capacitors	20 SOIC	Pin to Pin
Maxim	MAX233CPP	SP233ACP	5V Only RS-232, 2 Drivers, 2 Receivers, No External Capacitors	20 PDIP	Pin to Pin
Maxim	MAX233EPP	SP233AEP	5V Only RS-232, 2 Drivers, 2 Receivers, No External Capacitors	20 PDIP	Pin to Pin
Maxim	MAX234CPE	SP234ACP	5V Only RS-232, 4 Drivers, 0 Receivers	16 PDIP	Pin to Pin
Maxim	MAX234CWE	SP234ACT	5V Only RS-232, 4 Drivers, 0 Receivers	16 SOIC	Pin to Pin
Maxim	MAX234EPE	SP234AEP	5V Only RS-232, 4 Drivers, 0 Receivers	16 PDIP	Pin to Pin
Maxim	MAX234EWE	SP234AET	5V Only RS-232, 4 Drivers, 0 Receivers	16 SOIC	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Maxim	MAX235CPG	SP235ACP	5V Only RS-232, 5 Drivers, 5 Receivers, Shutdown, Tri-state, No External Capacitors	24 WPDIP	Pin to Pin
Maxim	MAX235EPG	SP235AEP	5V Only RS-232, 5 Drivers, 5 Receivers, Shutdown, Tri-state, No External Capacitors	24 WPDIP	Pin to Pin
Maxim	MAX236CNG	SP236ACS	5V Only RS-232, 4 Drivers, 3 Receivers, Shutdown, Tri-state	24 PDIP	Pin to Pin
Maxim	MAX236CWG	SP236ACT	5V Only RS-232, 4 Drivers, 3 Receivers, Shutdown, Tri-state	24 SOIC	Pin to Pin
Maxim	MAX236ENG	SP236AES	5V Only RS-232, 4 Drivers, 3 Receivers, Shutdown, Tri-state	24 PDIP	Pin to Pin
Maxim	MAX236EWG	SP236AET	5V Only RS-232, 4 Drivers, 3 Receivers, Shutdown, Tri-state	24 SOIC	Pin to Pin
Maxim	MAX237CNG	SP237ACS	5V Only RS-232, 5 Drivers, 3 Receivers	24 PDIP	Pin to Pin
Maxim	MAX237CWG	SP237ACT	5V Only RS-232, 5 Drivers, 3 Receivers	24 SOIC	Pin to Pin
Maxim	MAX237ENG	SP237AES	5V Only RS-232, 5 Drivers, 3 Receivers	24 PDIP	Pin to Pin
Maxim	MAX237EWG	SP237AET	5V Only RS-232, 5 Drivers, 3 Receivers	24 SOIC	Pin to Pin
Maxim	MAX238CNG	SP238ACS	5V Only RS-232, 4 Drivers, 4 Receivers	24 PDIP	Pin to Pin
Maxim	MAX238CWG	SP238ACT	5V Only RS-232, 4 Drivers, 4 Receivers	24 SOIC	Pin to Pin
Maxim	MAX238ENG	SP238AES	5V Only RS-232, 4 Drivers, 4 Receivers	24 PDIP	Pin to Pin
Maxim	MAX238EWG	SP238AET	5V Only RS-232, 4 Drivers, 4 Receivers	24 SOIC	Pin to Pin
Maxim	MAX240CMH	SP240ACF	5V Only RS-232, 5 Drivers, 5 Receivers, Shutdown, Tri-state	44 QFP	Pin to Pin
Maxim	MAX241CAI	SP211ECA	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SSOP	Pin to Pin
Maxim	MAX241CWI	SP241ACT	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SOIC	Pin to Pin
Maxim	MAX241EAI	SP211EEA	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SSOP	Pin to Pin
Maxim	MAX241EWI	SP241AET	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SOIC	Pin to Pin
Maxim	MAX242CPN	SP312ACP	5V Only RS-232, 2 Drivers, 2 Receivers, Shutdown, Tri-state	18 PDIP	Pin to Pin
Maxim	MAX242CWN	SP312ACT	5V Only RS-232, 2 Drivers, 2 Receivers, Shutdown, Tri-state	18 SOIC	Pin to Pin
Maxim	MAX242EPN	SP312AEP	5V Only RS-232, 2 Drivers, 2 Receivers, Shutdown, Tri-state	18 PDIP	Pin to Pin
Maxim	MAX242EWN	SP312AET	5V Only RS-232, 2 Drivers, 2 Receivers, Shutdown, Tri-state	18 SOIC	Pin to Pin
Maxim	MAX3209ECUU	SP2209EEY	High ESD Dual Port RS-232 Transceivers	38 TSSOP	Pin to Pin
Maxim	MAX3209EEUU	SP2209EEY	High ESD Dual Port RS-232 Transceivers	38 TSSOP	Pin to Pin
Maxim	MAX3218	SP3281	Intelligent +2.35V to +5.5V RS232 Transceiver	28 TSSOP	Closest Existing
Maxim	MAX3221ECAE	SP3220EBCA	3V, 15kV, 250kbps, RS-232, 1 Driver, 1 Receiver Serial Interface IC	16 SSOP	Pin to Pin
Maxim	MAX3221EEAE	SP3220EBEA	3V, 15kV, 250kbps, RS-232, 1 Driver, 1 Receiver Serial Interface IC	16 SSOP	Pin to Pin
Maxim	MAX3222CAP	SP3222EEA	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	20 SSOP	Pin to Pin
Maxim	MAX3222CPN	SP3222EEP	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	18 PDIP	Pin to Pin
Maxim	MAX3222CUP	SP3222EEY	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	20 TSSOP	Pin to Pin
Maxim	MAX3222CWN	SP3222EET	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	18 WSOIC	Pin to Pin
Maxim	MAX3222ECAP	SP3222EBCA	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	20 SSOP	Pin to Pin
Maxim	MAX3222ECPN	SP3222EBCP	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	18 PDIP	Pin to Pin
Maxim	MAX3222ECUP	SP3222EBCY	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	20 TSSOP	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Maxim	MAX3222ECWN	SP3222EBCT	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	18 SOIC	Pin to Pin
Maxim	MAX3223CAP	SP3223EEA	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With AUTO ON-LINE®	20 SSOP	Pin to Pin
Maxim	MAX3223CPP	SP3223EEP	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With AUTO ON-LINE®	20 PDIP	Pin to Pin
Maxim	MAX3223ECAP	SP3223EBCA	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With AUTO ON-LINE®	20 SSOP	Pin to Pin
Maxim	MAX3223ECP	SP3223EBCP	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With AUTO ON-LINE®	20 PDIP	Pin to Pin
Maxim	MAX3223EEAP	SP3223EBEA	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With AUTO ON-LINE®	20 SSOP	Pin to Pin
Maxim	MAX3223EPPP	SP3223EBEP	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With AUTO ON-LINE®	20 PDIP	Pin to Pin
Maxim	MAX3223EUP	SP3223ECY	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With AUTO ON-LINE®	20 TSSOP	Functional Equivalent
Maxim	MAX3232CPE	SP3232EEP	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 PDIP	Pin to Pin
Maxim	MAX3232CUE	SP3232EEY	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 TSSOP	Functional Equivalent
Maxim	MAX3232CWE	SP3232EET	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 WSOIC	Pin to Pin
Maxim	MAX3232ECAE	SP3232EBCA	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 SSOP	Pin to Pin
Maxim	MAX3232ECPE	SP3232EBCP	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 PDIP	Pin to Pin
Maxim	MAX3232ECWE	SP3232EBCT	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 WSOIC	Pin to Pin
Maxim	MAX3232EEAE	SP3232EBEA	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 SSOP	Pin to Pin
Maxim	MAX3232EEPE	SP3232EBEP	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 PDIP	Pin to Pin
Maxim	MAX3232EEWE	SP3232EBET	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 WSOIC	Pin to Pin
Maxim	MAX3232EUE	SP3232ECY	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 TSSOP	Functional Equivalent
Maxim	MAX3238ECAI	SP3238EBCA	3V, 15kV, 250kbps, RS-232, 5 Drivers, 3 Receivers Serial Interface IC With AUTO ON-LINE®	28 SSOP	Pin to Pin
Maxim	MAX3238EEAI	SP3238EBEA	3V, 15kV, 250kbps, RS-232, 5 Drivers, 3 Receivers Serial Interface IC With AUTO ON-LINE®	28 SSOP	Pin to Pin
Maxim	MAX3243CAI	SP3243EEA	3V, 15kV, 250kbps, RS-232, 3 Drivers, 5 Receivers Serial Interface IC With AUTO ON-LINE®	28 SSOP	Pin to Pin
Maxim	MAX3243CWI	SP3243EET	3V, 15kV, 250kbps, RS-232, 3 Drivers, 5 Receivers Serial Interface IC With AUTO ON-LINE®	28 WSOIC	Pin to Pin
Maxim	MAX3243ECAI	SP3243EBCA	3V, 15kV, 250kbps, RS-232, 3 Drivers, 5 Receivers Serial Interface IC With AUTO ON-LINE®	28 SSOP	Pin to Pin
Maxim	MAX3243ECWI	SP3243EBCT	3V, 15kV, 250kbps, RS-232, 3 Drivers, 5 Receivers Serial Interface IC With AUTO ON-LINE®	28 WSOIC	Pin to Pin
Maxim	MAX3243EEAI	SP3243EBEA	3V, 15kV, 250kbps, RS-232, 3 Drivers, 5 Receivers Serial Interface IC With AUTO ON-LINE®	28 SSOP	Pin to Pin
Maxim	MAX3243EEWI	SP3243EBET	3V, 15kV, 250kbps, RS-232, 3 Drivers, 5 Receivers Serial Interface IC With AUTO ON-LINE®	28 WSOIC	Pin to Pin
Maxim	MAX3386ECUP	SP3203ECY	3V RS-232 Transceivers, 3 Drivers, 2 Receivers With Logic Select	20 TSSOP	Pin to Pin
Maxim	MAX3386EUP	SP3203EEY	3V RS-232 Transceivers, 3 Drivers, 2 Receivers With Logic Select	20 TSSOP	Pin to Pin
Maxim	MAX3483CPA	SP3483CP	+3.3V, Low Power, 250kbps, Slew Rate Limited Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX3483CSA	SP3483CN	+3.3V, Low Power, 250kbps, Slew Rate Limited Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX3483ECPA	SP3483EP	+3.3V, Low Power, 250kbps, Slew Rate Limited Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX3483ECSA	SP3483EN	+3.3V, Low Power, 250kbps, Slew Rate Limited Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX3483ECPA	SP3483EP	+3.3V, Low Power, 250kbps, Slew Rate Limited Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX3483EESA	SP3483EN	+3.3V, Low Power, 250kbps, Slew Rate Limited Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX3483EPA	SP3483CP	+3.3V, Low Power, 250kbps, Slew Rate Limited Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Maxim	MAX3483ESA	SP3483CN	+3.3V, Low Power, 250kbps, Slew Rate Limited Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX3485CPA	SP3485CP	+3.3V, Low Power, 10 Mbps, Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX3485CSA	SP3485CN	+3.3V, Low Power, 10 Mbps, Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX3485ECPA	SP3485CP	+3.3V, Low Power, 10 Mbps, Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX3485ECSA	SP3485CN	+3.3V, Low Power, 10 Mbps, Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX3485ECPA	SP3485EP	+3.3V, Low Power, 10 Mbps, Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX3485EESA	SP3485EN	+3.3V, Low Power, 10 Mbps, Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX3485EPA	SP3485EP	+3.3V, Low Power, 10 Mbps, Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX3485ESA	SP3485EN	+3.3V, Low Power, 10 Mbps, Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX3486CPA	SP3494CP	+3.3V, Low Power, 2.5Mbps, Slew Rate Limited Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX3486CSA	SP3494CN	+3.3V, Low Power, 2.5Mbps, Slew Rate Limited Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX3486ECPA	SP3494CP	+3.3V, Low Power, 2.5Mbps, Slew Rate Limited Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX3486ECSA	SP3494CN	+3.3V, Low Power, 2.5Mbps, Slew Rate Limited Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX3486ECPA	SP3494EP	+3.3V, Low Power, 2.5Mbps, Slew Rate Limited Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX3486EESA	SP3494EN	+3.3V, Low Power, 2.5Mbps, Slew Rate Limited Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX3486EPA	SP3494EP	+3.3V, Low Power, 2.5Mbps, Slew Rate Limited Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX3486ESA	SP3494EN	+3.3V, Low Power, 2.5Mbps, Slew Rate Limited Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX3488CPA	SP3493CP	+3.3V, Low Power, 250kbps, Slew Rate Limited Full Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX3488CSA	SP3493CN	+3.3V, Low Power, 250kbps, Slew Rate Limited Full Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX3488ECPA	SP3493CP	+3.3V, Low Power, 250kbps, Slew Rate Limited Full Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX3488ECSA	SP3493CN	+3.3V, Low Power, 250kbps, Slew Rate Limited Full Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX3488ECPA	SP3493EP	+3.3V, Low Power, 250kbps, Slew Rate Limited Full Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX3488EESA	SP3493EN	+3.3V, Low Power, 250kbps, Slew Rate Limited Full Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX3488EPA	SP3493EP	+3.3V, Low Power, 250kbps, Slew Rate Limited Full Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX3488ESA	SP3493EN	+3.3V, Low Power, 250kbps, Slew Rate Limited Full Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX3490CPA	SP3490CP	+3.3V, Low Power, 10Mbps, Full Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX3490CSA	SP3490CN	+3.3V, Low Power, 10Mbps, Full Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX3490ECPA	SP3490CP	+3.3V, Low Power, 10Mbps, Full Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX3490ECSA	SP3490CN	+3.3V, Low Power, 10Mbps, Full Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX3490ECPA	SP3490EP	+3.3V, Low Power, 10Mbps, Full Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX3490EESA	SP3490EN	+3.3V, Low Power, 10Mbps, Full Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX3490EPA	SP3490EP	+3.3V, Low Power, 10Mbps, Full Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX3490ESA	SP3490EN	+3.3V, Low Power, 10Mbps, Full Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX3491CPA	SP3491CP	+3.3V, Low Power, 10Mbps, Full Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX3491CSA	SP3491CN	+3.3V, Low Power, 10Mbps, Full Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Maxim	MAX3491CSD	SP3491CN	+3.3V, Low Power, 10Mbps, Full Duplex RS-485 Transceivers	8 NSOIC	Functional Equivalent
Maxim	MAX3491ECPA	SP3491CP	+3.3V, Low Power, 10Mbps, Full Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX3491ECSA	SP3491CN	+3.3V, Low Power, 10Mbps, Full Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX3491ECPA	SP3491EP	+3.3V, Low Power, 10Mbps, Full Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX3491EESA	SP3491EN	+3.3V, Low Power, 10Mbps, Full Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX3491EPA	SP3491EP	+3.3V, Low Power, 10Mbps, Full Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX3491EPD	SP3491EP	+3.3V, Low Power, 10Mbps, Full Duplex RS-485 Transceivers	8 PDIP	Functional Equivalent
Maxim	MAX3491ESA	SP3491EN	+3.3V, Low Power, 10Mbps, Full Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX3491ESD	SP3491EN	+3.3V, Low Power, 10Mbps, Full Duplex RS-485 Transceivers	8 NSOIC	Functional Equivalent
Maxim	MAX481CPA	SP481CS	Half Duplex, 5Mbps, RS-485 Transceivers, Shutdown,	8 PDIP	Pin to Pin
Maxim	MAX481CSA	SP481CN	Half Duplex, 5Mbps, RS-485 Transceivers, Shutdown,	8 NSOIC	Pin to Pin
Maxim	MAX481ECPA	SP481ECP	Enhanced Half Duplex, 5Mbps, RS-485 Transceivers, Shutdown	8 PDIP	Pin to Pin
Maxim	MAX481ECSA	SP481ECN	Enhanced Half Duplex, 5Mbps, RS-485 Transceivers, Shutdown	8 NSOIC	Pin to Pin
Maxim	MAX481ECPA	SP481EEP	Enhanced Half Duplex, 5Mbps, RS-485 Transceivers, Shutdown	8 PDIP	Pin to Pin
Maxim	MAX481EESA	SP481EEN	Enhanced Half Duplex, 5Mbps, RS-485 Transceivers, Shutdown	8 NSOIC	Pin to Pin
Maxim	MAX481EPA	SP481ES	Half Duplex, 5Mbps, RS-485 Transceivers, Shutdown	8 PDIP	Pin to Pin
Maxim	MAX481ESA	SP481EN	Half Duplex, 5Mbps, RS-485 Transceivers, Shutdown	8 NSOIC	Pin to Pin
Maxim	MAX481MJA	SP481ES	Half Duplex, 5Mbps, RS-485 Transceivers, Shutdown		Pin to Pin DOWNGRADE
Maxim	MAX483CPA	SP483CS	Half Duplex, .25Mbps, RS-485 Transceivers, Shutdown, Low EMI	8 PDIP	Pin to Pin
Maxim	MAX483CSA	SP483CN	Half Duplex, .25Mbps, RS-485 Transceivers, Shutdown, Low EMI	8 NSOIC	Pin to Pin
Maxim	MAX483ECPA	SP483EEP	Half Duplex, .25Mbps, RS-485 Transceivers, Shutdown, Low EMI		Pin to Pin UPGRADE
Maxim	MAX483EPA	SP483ES	Half Duplex, .25Mbps, RS-485 Transceivers, Shutdown, Low EMI	8 PDIP	Pin to Pin
Maxim	MAX483ESA	SP483EN	Half Duplex, .25Mbps, RS-485 Transceivers, Shutdown, Low EMI		Functional Equivalent
Maxim	MAX483MJA	SP483ES	Half Duplex, .25Mbps, RS-485 Transceivers, Shutdown, Low EMI		Functional Equivalent
Maxim	MAX485CPA	SP485ECP	Enhanced Low Power Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX485CSA	SP485CN	Low Power Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX485ECPA	SP485ECP	Enhanced Low Power Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX485ECSA	SP485ECN	Enhanced Low Power Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX485ECPA	SP485EEP	Enhanced Low Power Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX485EESA	SP485EEN	Enhanced Low Power Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX485EPA	SP485EP	Low Power Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX485ESA	SP485EN	Low Power Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Maxim	MAX485MJA	SP485ES	Low Power Half Duplex RS-485 Transceivers	8 PDIP	Functional Equivalent
Maxim	MAX490CPA	SP490CS	Full Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Maxim	MAX490CSA	SP490CN	Full Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Maxim	MAX490ECPA	SP490ECP	Enhanced Full Duplex, 5Mbps, RS-485 Driver and Receiver	8 PDIP	Pin to Pin
Maxim	MAX490ECSA	SP490ECN	Enhanced Full Duplex, 5Mbps, RS-485 Driver and Receiver	8 NSOIC	Pin to Pin
Maxim	MAX490EEPA	SP490EEP	Enhanced Full Duplex, 5Mbps, RS-485 Driver and Receiver	8 PDIP	Pin to Pin
Maxim	MAX490EESA	SP490EEN	Enhanced Full Duplex, 5Mbps, RS-485 Driver and Receiver	8 NSOIC	Pin to Pin
Maxim	MAX490EPA	SP490ES	Full Duplex, 5Mbps, RS-485 Driver and Receiver	8 PDIP	Pin to Pin
Maxim	MAX490ESA	SP490EN	Full Duplex, 5Mbps, RS-485 Driver and Receiver	8 NSOIC	Pin to Pin
Maxim	MAX490MJA	SP490CS	Full Duplex RS-485 Transceivers	8 PDIP	Pin to Pin DOWNGRADE
Maxim	MAX490MJA	SP490ES	Full Duplex, 5Mbps, RS-485 Driver and Receiver	8 PDIP	Functional Equivalent
Maxim	MAX491CPD	SP491ECP	Enhanced Full Duplex, 5Mbps, RS-485 Driver and Receiver, Driver and Receiver Tri-state	14 PDIP	Pin to Pin
Maxim	MAX491CSD	SP491ECN	Enhanced Full Duplex, 5Mbps, RS-485 Driver and Receiver, Driver and Receiver Tri-state	14 NSOIC	Pin to Pin
Maxim	MAX491ECPD	SP491ECP	Enhanced Full Duplex, 5Mbps, RS-485 Driver and Receiver, Driver and Receiver Tri-state	14 PDIP	Pin to Pin
Maxim	MAX491ECSD	SP491ECN	Enhanced Full Duplex, 5Mbps, RS-485 Driver and Receiver, Driver and Receiver Tri-state	14 NSOIC	Pin to Pin
Maxim	MAX491EEPD	SP491EEP	Enhanced Full Duplex, 5Mbps, RS-485 Driver and Receiver, Driver and Receiver Tri-state	14 PDIP	Pin to Pin
Maxim	MAX491EESD	SP491EEN	Enhanced Full Duplex, 5Mbps, RS-485 Driver and Receiver, Driver and Receiver Tri-state	14 NSOIC	Pin to Pin
Maxim	MAX491EPD	SP491EEP	Enhanced Full Duplex, 5Mbps, RS-485 Driver and Receiver, Driver and Receiver Tri-state	14 PDIP	Pin to Pin
Maxim	MAX491ESD	SP491EEN	Enhanced Full Duplex, 5Mbps, RS-485 Driver and Receiver, Driver and Receiver Tri-state	14 NSOIC	Pin to Pin
Maxim	MAX491MJD	SP491ES	Enhanced Full Duplex, 5Mbps, RS-485 Driver and Receiver, Driver and Receiver Tri-state	14 PDIP	Functional Equivalent
Maxim	MAX660CPA	SP6660EP	3V Charge Pump DC to DC Converter	8 PDIP	Pin to Pin
Maxim	MAX660CSA	SP6660EN	3V Charge Pump DC to DC Converter	8 NSOIC	Pin to Pin
Maxim	MAX660EPA	SP6660EP	3V Charge Pump DC to DC Converter	8 PDIP	Pin to Pin
Maxim	MAX660ESA	SP6660EN	3V Charge Pump DC to DC Converter	8 NSOIC	Pin to Pin
Maxim	MAX690ACPA	SP690ACP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX690ACSA	SP690ACN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX690AEPA	SP690AEP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX690AESA	SP690AEN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX690CPA	SP690ACP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX690CSA	SP690ACN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX690EPA	SP690AEP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX690ESA	SP690AEN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX690RCPA	SP690RCP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX690RCSA	SP690RCN	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX690REPA	SP690REP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX690RESA	SP690REN	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX690RMJA	SP690RCP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Functional Equivalent
Maxim	MAX690SCPA	SP690SCP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Maxim	MAX690SCSA	SP690SCN	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX690SEPA	SP690SEP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX690SESA	SP690SEN	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX690SMJA	SP690SCP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Functional Equivalent
Maxim	MAX690TCPA	SP690TCP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX690TCSA	SP690TCN	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX690TEPA	SP690TEP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX690TESA	SP690TEN	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX690TMJA	SP690TCP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Functional Equivalent
Maxim	MAX691ACPE	SP691ACP	Low Power Supervisory IC With Battery Switch-over	16 PDIP	Pin to Pin
Maxim	MAX691ACSE	SP691ACN	Low Power Supervisory IC With Battery Switch-over	16 NSOIC	Pin to Pin
Maxim	MAX691ACWE	SP691ACT	Low Power Supervisory IC With Battery Switch-over	16 WSOIC	Pin to Pin
Maxim	MAX691AEPE	SP691AEP	Low Power Supervisory IC With Battery Switch-over	16 PDIP	Pin to Pin
Maxim	MAX691AESE	SP691AEN	Low Power Supervisory IC With Battery Switch-over	16 NSOIC	Pin to Pin
Maxim	MAX691AEWE	SP691AET	Low Power Supervisory IC With Battery Switch-over	16 WSOIC	Pin to Pin
Maxim	MAX692ACPA	SP692ACP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX692ACSA	SP692ACN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX692AEPA	SP692AEP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX692AESA	SP692AEN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX692CPA	SP692ACP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX692CSA	SP692ACN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX692EPA	SP692AEP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX692ESA	SP692AEN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX693ACPE	SP693ACP	Low Power Supervisory IC With Battery Switch-over	16 PDIP	Pin to Pin
Maxim	MAX693ACSE	SP693ACN	Low Power Supervisory IC With Battery Switch-over	16 NSOIC	Pin to Pin
Maxim	MAX693ACWE	SP693ACT	Low Power Supervisory IC With Battery Switch-over	16 WSOIC	Pin to Pin
Maxim	MAX693AEPE	SP693AEP	Low Power Supervisory IC With Battery Switch-over	16 PDIP	Pin to Pin
Maxim	MAX693AESE	SP693AEN	Low Power Supervisory IC With Battery Switch-over	16 NSOIC	Pin to Pin
Maxim	MAX693AEWE	SP693AET	Low Power Supervisory IC With Battery Switch-over	16 WSOIC	Pin to Pin
Maxim	MAX694CPA	SP690ACP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX694CSA	SP690ACN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX694EPA	SP690AEP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX694ESA	SP690AEN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX703CPA	SP703CP	Low Power Microprocessor Supervisory With Battery Switch-Over and Manual Reset	8 PDIP	Pin to Pin
Maxim	MAX703CSA	SP703CN	Low Power Microprocessor Supervisory With Battery Switch-Over and Manual Reset	8 NSOIC	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Maxim	MAX703EPA	SP703EP	Low Power Microprocessor Supervisory With Battery Switch-Over and Manual Reset	8 PDIP	Pin to Pin
Maxim	MAX703ESA	SP703EN	Low Power Microprocessor Supervisory With Battery Switch-Over and Manual Reset	8 NSOIC	Pin to Pin
Maxim	MAX703MJA	SP703EP	Low Power Microprocessor Supervisory With Battery Switch-Over and Manual Reset	8 PDIP	Functional Equivalent
Maxim	MAX704CPA	SP704CP	Low Power Microprocessor Supervisory With Battery Switch-Over and Manual Reset	8 PDIP	Pin to Pin
Maxim	MAX704CSA	SP704CN	Low Power Microprocessor Supervisory With Battery Switch-Over and Manual Reset	8 NSOIC	Pin to Pin
Maxim	MAX704EPA	SP704EP	Low Power Microprocessor Supervisory With Battery Switch-Over and Manual Reset	8 PDIP	Pin to Pin
Maxim	MAX704ESA	SP704EN	Low Power Microprocessor Supervisory With Battery Switch-Over and Manual Reset	8 NSOIC	Pin to Pin
Maxim	MAX704MJA	SP704EP	Low Power Microprocessor Supervisory With Battery Switch-Over and Manual Reset	8 PDIP	Functional Equivalent
Maxim	MAX705CPA	SP705CP	Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Maxim	MAX705CSA	SP705CN	Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Maxim	MAX705CUA	SP705CU	Low Power Microprocessor Supervisory Circuits	8 $\mu$ SOIC	Pin to Pin
Maxim	MAX705EPA	SP705EP	Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Maxim	MAX705ESA	SP705EN	Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Maxim	MAX705MJA	SP705EP	Low Power Microprocessor Supervisory Circuits	8 PDIP	Functional Equivalent
Maxim	MAX706CPA	SP706CP	Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Maxim	MAX706CSA	SP706CN	Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Maxim	MAX706CUA	SP706CU	Low Power Microprocessor Supervisory Circuits	8 $\mu$ SOIC	Pin to Pin
Maxim	MAX706EPA	SP706EP	Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Maxim	MAX706ESA	SP706EN	Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Maxim	MAX706MJA	SP706EP	Low Power Microprocessor Supervisory Circuits	8 PDIP	Functional Equivalent
Maxim	MAX706PCPA	SP706PCP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Maxim	MAX706PCSA	SP706PCN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Maxim	MAX706PCUA	SP706PCU	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 $\mu$ SOIC	Pin to Pin
Maxim	MAX706PEPA	SP706PEP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Maxim	MAX706PESA	SP706PEN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Maxim	MAX706RCPA	SP706RCP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Maxim	MAX706RCSA	SP706RCN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Maxim	MAX706RCUA	SP706RCU	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 $\mu$ SOIC	Pin to Pin
Maxim	MAX706REPA	SP706REP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Maxim	MAX706RESA	SP706REN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Maxim	MAX706SCPA	SP706SCP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Maxim	MAX706SCSA	SP706SCN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Maxim	MAX706SCUA	SP706SCU	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 $\mu$ SOIC	Pin to Pin
Maxim	MAX706SEPA	SP706SEP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Maxim	MAX706SESA	SP706SEN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Maxim	MAX706STPA	SP706TCP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Maxim	MAX706TCSA	SP706TCN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Maxim	MAX706TCUA	SP706TCU	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 $\mu$ SOIC	Pin to Pin
Maxim	MAX706TEPA	SP706TEP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Maxim	MAX706TESA	SP706TEN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Maxim	MAX707CPA	SP707CP	Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Maxim	MAX707CSA	SP707CN	Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Maxim	MAX707CUA	SP707CU	Low Power Microprocessor Supervisory Circuits	8 $\mu$ SOIC	Pin to Pin
Maxim	MAX707EPA	SP707EP	Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Maxim	MAX707ESA	SP707EN	Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Maxim	MAX707MJA	SP707EP	Low Power Microprocessor Supervisory Circuits	8 PDIP	Functional Equivalent
Maxim	MAX708CPA	SP708CP	Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Maxim	MAX708CSA	SP708CN	Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Maxim	MAX708CUA	SP708CU	Low Power Microprocessor Supervisory Circuits	8 $\mu$ SOIC	Pin to Pin
Maxim	MAX708EPA	SP708EP	Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Maxim	MAX708ESA	SP708EN	Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Maxim	MAX708MJA	SP708EP	Low Power Microprocessor Supervisory Circuits	8 PDIP	Functional Equivalent
Maxim	MAX708RCPA	SP708RCP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Maxim	MAX708RCSA	SP708RCN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Maxim	MAX708RCUA	SP708RCU	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 $\mu$ SOIC	Pin to Pin
Maxim	MAX708REPA	SP708REP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Maxim	MAX708RESA	SP708REN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Maxim	MAX708SCPA	SP708SCP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Maxim	MAX708SCSA	SP708SCN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Maxim	MAX708SCUA	SP708SCU	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 $\mu$ SOIC	Pin to Pin
Maxim	MAX708SEPA	SP708SEP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Maxim	MAX708SESA	SP708SEN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Maxim	MAX708STPA	SP708TCP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Maxim	MAX708TCSA	SP708TCN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Maxim	MAX708TCUA	SP708TCU	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 $\mu$ SOIC	Pin to Pin
Maxim	MAX708TEPA	SP708TEP	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Maxim	MAX708TESA	SP708TEN	+3.0V/+3.3V Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Maxim	MAX791CPE	SP791CP	Low Power Microprocessor Supervisory With Battery Switch-Over and Manual Reset	16 PDIP	Pin to Pin
Maxim	MAX791CSE	SP791CN	Low Power Microprocessor Supervisory With Battery Switch-Over and Manual Reset	16 NSOIC	Pin to Pin
Maxim	MAX791EPE	SP791EP	Low Power Microprocessor Supervisory With Battery Switch-Over and Manual Reset	16 PDIP	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Maxim	MAX791ESE	SP791EN	Low Power Microprocessor Supervisory With Battery Switch-Over and Manual Reset	16 NSOIC	Pin to Pin
Maxim	MAX800LCPE	SP800LCP	Low Power Supervisory IC With Battery Switch-Over	16 PDIP	Pin to Pin
Maxim	MAX800LCSE	SP800LCN	Low Power Supervisory IC With Battery Switch-Over	16 NSOIC	Pin to Pin
Maxim	MAX800LEPE	SP800LEP	Low Power Supervisory IC With Battery Switch-Over	16 PDIP	Pin to Pin
Maxim	MAX800LESE	SP800LEN	Low Power Supervisory IC With Battery Switch-Over	16 NSOIC	Pin to Pin
Maxim	MAX800MCPE	SP800MCP	Low Power Supervisory IC With Battery Switch-Over	16 PDIP	Pin to Pin
Maxim	MAX800MCSE	SP800MCN	Low Power Supervisory IC With Battery Switch-Over	16 NSOIC	Pin to Pin
Maxim	MAX800MEPE	SP800MEP	Low Power Supervisory IC With Battery Switch-Over	16 PDIP	Pin to Pin
Maxim	MAX800MESE	SP800MEN	Low Power Supervisory IC With Battery Switch-Over	16 NSOIC	Pin to Pin
Maxim	MAX802LCPA	SP802LCP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX802LCSA	SP802LCN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX802LEPA	SP802LEP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX802LESA	SP802LEN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX802MCPA	SP802MCP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX802MCSA	SP802MCN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX802MEPA	SP802MEP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX802MESA	SP802MEN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX802RCPA	SP802RCP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX802RCSA	SP802RCN	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX802REPA	SP802REP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX802RESA	SP802REN	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX802RMJA	SP802REP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Functional Equivalent
Maxim	MAX802SCPA	SP802SCP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX802SCSA	SP802SCN	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX802SEPA	SP802SEP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX802SESA	SP802SEN	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX802SMJA	SP802SEP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Functional Equivalent
Maxim	MAX802TCPA	SP802TCP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX802TCSA	SP802TCN	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX802TEPA	SP802TEP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX802TESA	SP802TEN	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX802TMJA	SP802TEP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Functional Equivalent
Maxim	MAX804RCPA	SP804RCP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX804RCSA	SP804RCN	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX804REPA	SP804REP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Maxim	MAX804RESA	SP804REN	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX804RMJA	SP804REP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Functional Equivalent
Maxim	MAX804SCPA	SP804SCP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX804SCSA	SP804SCN	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX804SEPA	SP804SEP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX804SESA	SP804SEN	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX804SMJA	SP804SEP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Functional Equivalent
Maxim	MAX804TCPA	SP804TCP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX804TCSA	SP804TCN	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX804TEPA	SP804TEP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX804TESA	SP804TEN	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX804TMJA	SP804TEP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Functional Equivalent
Maxim	MAX805LCPA	SP805LCP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX805LCSA	SP805LCN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX805LEPA	SP805LEP	Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX805LESA	SP805LEN	Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX805RCPA	SP805RCP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX805RCSA	SP805RCN	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX805REPA	SP805REP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX805RESA	SP805REN	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX805RMJA	SP805REP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Functional Equivalent
Maxim	MAX805SCPA	SP805SCP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX805SCSA	SP805SCN	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX805SEPA	SP805SEP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX805SESA	SP805SEN	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX805SMJA	SP805SEP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Functional Equivalent
Maxim	MAX805TCPA	SP805TCP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX805TCSA	SP805TCN	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX805TEPA	SP805TEP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Pin to Pin
Maxim	MAX805TESA	SP805TEN	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX805TMJA	SP805TEP	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 PDIP	Functional Equivalent
Maxim	MAX813LCPA	SP813LCP	Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin
Maxim	MAX813LCSA	SP813LCN	+3.0V/3.3V Low Power Microprocessor Supervisory With Battery Switch-Over	8 NSOIC	Pin to Pin
Maxim	MAX813LCUA	SP813LCU	Low Power Microprocessor Supervisory Circuits	8 $\mu$ SOIC	Pin to Pin
Maxim	MAX813LEPA	SP813LEP	Low Power Microprocessor Supervisory Circuits	8 PDIP	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Maxim	MAX813LESA	SP813LEN	Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Maxim	MAX813LMJA	SP813LEP	Low Power Microprocessor Supervisory Circuits	8 PDIP	Functional Equivalent
Maxim	MAX828EUK	SP6828EK	+3V Low Power Voltage Inverter	5 SOT-23	Pin to Pin
Maxim	MAX829EUK	SP6829EK	+3V Low Power Voltage Inverter	5 SOT-23	Pin to Pin
Maxim	MAX871EUK	SP6832EK	High Speed, High Efficiency Low Power Voltage Inverter	5 SOT-23	Pin to Pin
Maxim	MXL1544	SP508	Enhanced 20Mbps Multiprotocol Serial Interface Transceiver (DTE and DCE)	100 Pin LQFP	Closest Existing
Maxim	MXL1543	SP508	Enhanced 20Mbps Multiprotocol Serial Interface Transceiver (DTE and DCE)	100 Pin LQFP	Closest Existing
Maxim	MAX3175	SP508	Enhanced 20Mbps Multiprotocol Serial Interface Transceiver (DTE and DCE)	100 Pin LQFP	Closest Existing
Maxim	MAX1344A	SP508	Enhanced 20Mbps Multiprotocol Serial Interface Transceiver (DTE and DCE)	100 Pin LQFP	Closest Existing
Maxim	MAX3171	SP3508	3V, 20 Mbps Multiprotocol Transceiver	100 Pin LQFP	Closest Existing
Maxim	MAX3172	SP3508	3V, 20 Mbps Multiprotocol Transceiver	100 Pin LQFP	Closest Existing
Maxim	MAX3173	SP3508	3V, 20 Mbps Multiprotocol Transceiver	100 Pin LQFP	Closest Existing
Maxim	MAX3174	SP3508	3V, 20 Mbps Multiprotocol Transceiver	100 Pin LQFP	Closest Existing

### Micrel

Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Micrel	LP2950-02BZ	LP2950ACN-5.0	100mA Low Dropout PNP Voltage Regulator	3 TO-92	Pin to Pin
Micrel	LP2950-03BZ	LP2950CN-5.0	100mA Low Dropout PNP Voltage Regulator	3 TO-92	Pin to Pin
Micrel	LP2951-02BM	LP2951ACS-5.0	100mA Low Dropout PNP Voltage Regulator	8 SOIC	Pin to Pin
Micrel	LP2951-02BMT&R	LP2951ACS-5.0	100mA Low Dropout PNP Voltage Regulator	8 SOIC	Pin to Pin
Micrel	LP2951-03BM	LP2951CS-5.0	100mA Low Dropout PNP Voltage Regulator	8 SOIC	Pin to Pin
Micrel	LP2951-03BMT&R	LP2951CS-5.0	100mA Low Dropout PNP Voltage Regulator	8 SOIC	Pin to Pin
Micrel	MIC2193	SP6123	Low Voltage 8 Pin Synchronous Buck Controller	8 NSOIC	Closest Existing
Micrel	MIC2525-1BM	SP2525EN-1	+3.0V to +5.5V USB Power Control Switch	8 NSOIC	Functional Equivalent
Micrel	MIC2525-2BM	SP2525EN-2	+3.0V to +5.5V USB Power Control Switch	8 NSOIC	Functional Equivalent
Micrel	MIC2526-1BM	SP2526-1EN	+3.0V to +5.5V USB Power Control Switch	8 NSOIC	Pin to Pin
Micrel	MIC2526-1BN	SP2526EP-1	+3.0V to +5.5V USB Power Control Switch	8 NSOIC	Functional Equivalent
Micrel	MIC2526-2BM	SP2526-2EN	+3.0V to +5.5V USB Power Control Switch	8 NSOIC	Pin to Pin
Micrel	MIC2526-2BN	SP2526EP-2	+3.0V to +5.5V USB Power Control Switch	8 NSOIC	Functional Equivalent
Micrel	MIC29150-3.3BT	SPX29150U-3.3	1.5A PNP LDO Voltage Regulator	3 TO-220	Pin to Pin
Micrel	MIC29150-3.3BU	SPX29150T-3.3	1.5A PNP LDO Voltage Regulator	3 TO-263	Pin to Pin
Micrel	MIC29150-5.0BT	SPX29150U-5.0	1.5A PNP LDO Voltage Regulator	3 TO-220	Pin to Pin
Micrel	MIC29150-5.0BU	SPX29150T-5.0	1.5A PNP LDO Voltage Regulator	3 TO-263	Pin to Pin
Micrel	MIC29151-3.3BT	SPX29151U5-3.3	1.5A PNP LDO Voltage Regulator	5 TO-220	Pin to Pin
Micrel	MIC29151-3.3BU	SPX29151T5-3.3	1.5A PNP LDO Voltage Regulator	5 TO-263	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Micrel	MIC29151-5.0BT	SPX29151U5-5.0	1.5A PNP LDO Voltage Regulator	5 TO-220	Pin to Pin
Micrel	MIC29151-5.0BU	SPX29151T5-5.0	1.5A PNP LDO Voltage Regulator	5 TO-263	Pin to Pin
Micrel	MIC2920A-3.3BS	SPX2920M3-3.3	400mA PNP LDO Voltage Regulator	3 SOT-223	Pin to Pin
Micrel	MIC2920A-3.3BT	SPX2920U-3.3	400mA PNP LDO Voltage Regulator	3 TO-220	Pin to Pin
Micrel	MIC2920A-3.3BT	SPX2945U-3.3	500mA PNP Low Dropout Voltage Regulator	3 TO-220	Pin to Pin
Micrel	MIC2920A-5.0BS	SPX2920M3-5.0	400mA PNP LDO Voltage Regulator	3 SOT-223	Pin to Pin
Micrel	MIC2920A-5.0BT	SPX2920U-5.0	400mA PNP LDO Voltage Regulator	3 TO-220	Pin to Pin
Micrel	MIC2920A-5.0BT	SPX2945U-5.0	500mA Low Dropout Voltage Regulator	3 TO-220	Pin to Pin
Micrel	MIC293000-3.3BT	SPX29300U-3.3	3A High Current, PNP, Low Dropout Voltage Regulator	3 TO-220	Pin to Pin
Micrel	MIC293000-3.3BU	SPX29300T-3.3	3A High Current, PNP, Low Dropout Voltage Regulator	3 TO-263	Pin to Pin
Micrel	MIC293000-5.0BT	SPX29300U-5.0	3A High Current, PNP, Low Dropout Voltage Regulator	3 TO-220	Pin to Pin
Micrel	MIC293000-5.0BU	SPX29300T-5.0	3A High Current, PNP, Low Dropout Voltage Regulator	3 TO-263	Pin to Pin
Micrel	MIC29301-3.3BT	SPX29301U5-3.3	3A High Current, PNP, Low Dropout Voltage Regulator	5 TO-220	Pin to Pin
Micrel	MIC2950X	SP2950X	5A Low Dropout Voltage Regulator Adjustable & Fixed Output Fast Response	3 TO-220	Pin to Pin
Micrel	MIC5200-3.0BS	SP6200EM5-3.0	CMOS 100mA LDO Regulator	5 SOT-23	Pin to Pin
Micrel	MIC5200-3.3BS	SP6200EM5-3.3	CMOS 100mA LDO Regulator	5 SOT-23	Pin to Pin
Micrel	MIC5200-5.0BS	SP6200EM5-5.0	CMOS 100mA LDO Regulator	5 SOT-23	Pin to Pin
Micrel	MIC5200BS	SP6200EM5-ADJ	CMOS 100mA LDO Regulator	5 SOT-23	Pin to Pin
Micrel	MIC5201-3.0BS	SP6201EM5-3.0	CMOS 200mA LDO Regulator	5 SOT-23	Pin to Pin
Micrel	MIC5201-3.3BS	SP6201EM5-3.3	CMOS 200mA LDO Regulator	5 SOT-23	Pin to Pin
Micrel	MIC5201-5.0BS	SP6201EM5-5.0	CMOS 200mA LDO Regulator	5 SOT-23	Pin to Pin
Micrel	MIC5201BS	SP6201EM5-ADJ	CMOS 200mA LDO Regulator	5 SOT-23	Pin to Pin
Micrel	MIC5205-2.8BM5	SPX5205M5-2.8	150mA PNP LDO Voltage Regulator	5 SOT-23	Pin to Pin
Micrel	MIC5205-3.3BM5	SPX5205M5-3.3	150mA PNP LDO Voltage Regulator	5 SOT-23	Pin to Pin
Micrel	MIC5205-5.0BM5	SPX5205M5-5.0	150mA PNP LDO Voltage Regulator	5 SOT-23	Pin to Pin
Micrel	MIC5205BM5	SPX5205M5	150mA PNP LDO Voltage Regulator	5 SOT-23	Pin to Pin
Micrel	MIC5219	SPX3819	500 mA Low-Noise LDO Voltage Regulator	3 TO-263	Pin to Pin
Micrel	MIC5219-3.3BM5	SPX3819M5-3.3	500mA PNP Low Dropout Voltage Regulator	3 SOT-223	Pin to Pin

### Microchip

Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Microchip	TC1055-2.7VCT	SP6200EM5-2.7	CMOS 100mA LDO Regulator	5 SOT-23	Pin to Pin
Microchip	TC1055-2.85VCT	SP6200EM5-2.85	CMOS 100mA LDO Regulator	5 SOT-23	Pin to Pin
Microchip	TC1055-3.0VCT	SP6200EM5-3.0	CMOS 100mA LDO Regulator	5 SOT-23	Pin to Pin
Microchip	TC1055-3.3VCT	SP6200EM5-3.3	CMOS 100mA LDO Regulator	5 SOT-23	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Microchip	TC1055-5.0VCT	SP6200EM5-5.0	CMOS 100mA LDO Regulator	5 SOT-23	Pin to Pin
Microchip	TC1055VCT	SP6200EM5ADJ	CMOS 100mA LDO Regulator	5 SOT-23	Pin to Pin
Microchip	TC1185-1.8CVT	SPX5205M5-1.8	150mA PNP Low Noise LDO Voltage Regulator	5 SOT-23	Pin to Pin
Microchip	TC1185-2.5CVT	SPX5205M5-2.5	150mA PNP Low Noise LDO Voltage Regulator	5 SOT-23	Pin to Pin
Microchip	TC1185-3.3CVT	SPX5205M5-3.3	150mA PNP Low Noise LDO Voltage Regulator	5 SOT-23	Pin to Pin
Microchip	TC1185-5.0CVT	SPX5205M5-5.0	150mA PNP Low Noise LDO Voltage Regulator	5 SOT-23	Pin to Pin
Microchip	TC1185-CVT	SPX5205M5	150mA PNP Low Noise LDO Voltage Regulator	5 SOT-23	Pin to Pin
Microchip	TC1186-2.7VCT	SP6201EM5-2.7	CMOS 200mA LDO Regulator	5 SOT-23	Pin to Pin
Microchip	TC1186-2.85VCT	SP6201EM5-2.85	CMOS 200mA LDO Regulator	5 SOT-23	Pin to Pin
Microchip	TC1186-3.0VCT	SP6201EM5-3.0	CMOS 200mA LDO Regulator	5 SOT-23	Pin to Pin
Microchip	TC1186-3.3VCT	SP6201EM5-3.3	CMOS 200mA LDO Regulator	5 SOT-23	Pin to Pin
Microchip	TC1186-5.0VCT	SP6201EM5-5.0	CMOS 200mA LDO Regulator	5 SOT-23	Pin to Pin
Microchip	TC1186VCT	SP6201EM5ADJ	CMOS 200mA LDO Regulator	5 SOT-23	Pin to Pin
Microchip	TC1219ECH	SP6830EK	Low Power Voltage Inverter With Shutdown	6 SOT-23	Pin to Pin
Microchip	TC1220ECH	SP6831EK	Low Power Voltage Inverter With Shutdown	6 SOT-23	Pin to Pin
Microchip	TC682COA	SP682CN	Ultra-Low Power Inverting Voltage Doubler	8 SOIC	Pin to Pin
Microchip	TC682CPA	SP682CP	Ultra-Low Power Inverting Voltage Doubler	8 PDIP	Pin to Pin
Microchip	TC682EOA	SP682EN	Ultra-Low Power Inverting Voltage Doubler	8 SOIC	Pin to Pin
Microchip	TC682EPA	SP682EP	Ultra-Low Power Inverting Voltage Doubler	8 PDIP	Pin to Pin
Microchip	TCM828ECT	SP6828EK	+3V Low Power Voltage Inverter	5 SOT-23	Pin to Pin
Microchip	TCM829ECT	SP6829EK	+3V Low Power Voltage Inverter	5 SOT-23	Pin to Pin



Motorola					
Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Motorola	LP2950ACP-5.0	LP2950ACN-5.0	100mA Low Dropout PNP Voltage Regulator	3 TO-92	Pin to Pin EQUIVALENT
Motorola	LP2950ACZ-3.3	LP2950ACN-3.3	100mA Low Dropout PNP Voltage Regulator	3 TO-92	Pin to Pin EQUIVALENT
Motorola	LP2950ACZ-5.0	LP2950ACN-5.0	100mA Low Dropout PNP Voltage Regulator	3 TO-92	Pin to Pin EQUIVALENT
Motorola	LP2950CP-5.0	LP2950ACN-5.0	100mA Low Dropout PNP Voltage Regulator	3 TO-92	Pin to Pin EQUIVALENT
Motorola	LP2950CZ-3.3	LP2950ACN-3.3	100mA Low Dropout PNP Voltage Regulator	3 TO-92	Pin to Pin EQUIVALENT
Motorola	LP2950CZ-5.0	LP2950ACN-5.0	100mA Low Dropout PNP Voltage Regulator	3 TO-92	Pin to Pin EQUIVALENT
Motorola	LP2951ACD-3.3	LP2951ACS-3.3	100mA Low Dropout PNP Voltage Regulator	8 SOIC	Pin to Pin EQUIVALENT
Motorola	LP2951ACD-5.0	LP2951ACS-5.0	100mA Low Dropout PNP Voltage Regulator	8 SOIC	Pin to Pin EQUIVALENT
Motorola	LP2951CD	LP2951ACS-5.0	100mA Low Dropout PNP Voltage Regulator	8 SOIC	Pin to Pin EQUIVALENT
Motorola	LP2951CD-3.3	LP2951ACS-3.3	100mA Low Dropout PNP Voltage Regulator	8 SOIC	Pin to Pin EQUIVALENT
Motorola	LP2951CD-5.0	LP2951ACS-5.0	100mA Low Dropout PNP Voltage Regulator	8 SOIC	Pin to Pin EQUIVALENT
Motorola	LP2951CDR2	LP2951ACS-5.0	100mA Low Dropout PNP Voltage Regulator	8 SOIC	Pin to Pin EQUIVALENT
Motorola	MC3486D	SP489CT	Quad RS-485/RS-422 Line Receivers	16 SOIC	Pin to Pin
Motorola	MC3486P	SP489CS	Quad RS-485/RS-422 Line Receivers	16 PDIP	Pin to Pin
Motorola	MC3487D	SP487CT	Quad RS-485/RS-422 Line Drivers	16 SOIC	Pin to Pin
Motorola	MC3487P	SP487CS	Quad RS-485/RS-422 Line Drivers	16 PDIP	Pin to Pin
Motorola	MC75172BP	SP486ES	Quad RS-485 Drivers, Common Enable	16 PDIP	Pin to Pin
Motorola	MC75174BP	SP487ES	Quad RS-485/RS-422 Line Drivers	16 PDIP	Pin to Pin
Motorola	SN75173D	SP488CT	Quad RS-485/RS-422 Line Receivers	16 SOIC	Pin to Pin
Motorola	SN75173N	SP488CS	Quad RS-485/RS-422 Line Receivers	16 PDIP	Pin to Pin
Motorola	SN75175D	SP489CT	Quad RS-485/RS-422 Line Receivers	16 SOIC	Pin to Pin
Motorola	SN75175N	SP489CS	Quad RS-485/RS-422 Line Receivers	16 PDIP	Pin to Pin



## National Semiconductor

Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
National Semiconductor	5962-9076601MEA	SP489ES	5V, low power, 5 Mbps quad RS-485 Receivers	16 PDIP	Pin to Pin
National Semiconductor	5962-9076602MEA	SP488ES	5V, low power, 5 Mbps quad RS-485 Receivers	16 PDIP	Pin to Pin
National Semiconductor	DS14C232CM	SP232ECN	High Performance 5V Only RS-232, 2 Drivers, 2 Receivers	16 NSOIC	Pin to Pin
National Semiconductor	DS14C232CN	SP232ECP	High Performance 5V Only RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
National Semiconductor	DS14C232CWM	SP232ECT	High Performance 5V Only RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
National Semiconductor	DS14C232TM	SP232EEN	High Performance 5V Only RS-232, 2 Drivers, 2 Receivers	16 NSOIC	Pin to Pin
National Semiconductor	DS14C232TN	SP232EEP	High Performance 5V Only RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
National Semiconductor	DS14C232TWM	SP232EET	High Performance 5V Only RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
National Semiconductor	DS14C237TWM	SP237EET	5V Only RS-232, 5 Drivers, 3 Receivers	24 SOIC	Pin to Pin
National Semiconductor	DS14C237WM	SP237ACT	5V Only RS-232, 5 Drivers, 3 Receivers	24 SOIC	Pin to Pin
National Semiconductor	DS14C238TWM	SP238AET	5V Only RS-232, 4 Drivers, 4 Receivers	24 SOIC	Pin to Pin
National Semiconductor	DS14C238WM	SP238ACT	5V Only RS-232, 4 Drivers, 4 Receivers	24 SOIC	Pin to Pin
National Semiconductor	DS14C241TWM	SP241AET	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SOIC	Pin to Pin
National Semiconductor	DS14C241WM	SP241ACT	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SOIC	Pin to Pin
National Semiconductor	DS26C31TM	SP431CN	High Speed Quad RS-422 Differential Line Driver	16 NSOIC	Pin to Pin
National Semiconductor	DS26C31TN	SP431CP	High Speed Quad RS-422 Differential Line Driver	16 PDIP	Pin to Pin
National Semiconductor	DS26C32ATM	SP432CN	High Speed Quad RS-422 Differential Line Receiver	16 NSOIC	Pin to Pin
National Semiconductor	DS26C32ATN	SP432CP	High Speed Quad RS-422 Differential Line Receiver	16 PDIP	Pin to Pin
National Semiconductor	DS26LS31TM	SP431CN	High Speed Quad RS-422 Differential Line Driver	16 NSOIC	Pin to Pin
National Semiconductor	DS26LS31TN	SP431CP	High Speed Quad RS-422 Differential Line Driver	16 PDIP	Pin to Pin
National Semiconductor	DS26LS32ATM	SP432CN	High Speed Quad RS-422 Differential Line Receiver	16 NSOIC	Pin to Pin
National Semiconductor	DS26LS32ATN	SP432CP	High Speed Quad RS-422 Differential Line Receiver	16 PDIP	Pin to Pin
National Semiconductor	DS26LV31TM	SP431CN	High Speed Quad RS-422 Differential Line Driver	16 NSOIC	Pin to Pin
National Semiconductor	DS26LV31TN	SP431CP	High Speed Quad RS-422 Differential Line Driver	16 PDIP	Pin to Pin
National Semiconductor	DS26LV32TM	SP432CN	High Speed Quad RS-422 Differential Line Receiver	16 NSOIC	Pin to Pin
National Semiconductor	DS26LV32TN	SP432CP	High Speed Quad RS-422 Differential Line Receiver	16 PDIP	Pin to Pin
National Semiconductor	DS3486M	SP489CT	5V, low power, 5 Mbps quad RS-485 Receivers	16 SOIC	Functional Equivalent
National Semiconductor	DS3486N	SP489CS	5V, low power, 5 Mbps quad RS-485 Receivers	16 PDIP	Pin to Pin
National Semiconductor	LM2940CS-5.0	SPX2940T-5.0	1A PNP LDO Voltage Regulator	3 TO-263	0C to +70C
National Semiconductor	LM2940S-5.0	SPX2940T-5.0	1A PNP LDO Voltage Regulator	3 TO-263	0C to +70C
National Semiconductor	LM2940CT-5.0	SPX2940U-5.0	1A PNP LDO Voltage Regulator	3 TO-220	0C to +70C
National Semiconductor	LM2940T-5.0	SPX2940U-5.0	1A PNP LDO Voltage Regulator	3 TO-220	0C to +70C
National Semiconductor	LM2941CS	SPX2941T5	1A PNP LDO Voltage Regulator with Enable	3 TO-263	0C to +70C



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
National Semiconductor	LM2941S	SPX2941T5	1A PNP LDO Voltage Regulator with Enable	3 TO-263	0C to +70C
National Semiconductor	LM2941CT	SPX2941U5	1A PNP LDO Voltage Regulator with Enable	5 TO-220	0C to +70C
National Semiconductor	LM2941T	SPX2941U5	1A PNP LDO Voltage Regulator with Enable	5 TO-220	0C to +70C
National Semiconductor	LP2951ACM-3.3	SPX2951ACS-3.3	100 mA PNP LDO Voltage Regulator	8 SOIC	0C to +70C
National Semiconductor	LP2951CM-3.3	SPX2951ACS-3.3	100 mA PNP LDO Voltage Regulator	8 SOIC	0C to +70C
National Semiconductor	LP2951ACM	SPX2951ACS-5.0	100 mA PNP LDO Voltage Regulator	8 SOIC	0C to +70C
National Semiconductor	LP2951CM	SPX2951ACS-5.0	100 mA PNP LDO Voltage Regulator	8 SOIC	0C to +70C
National Semiconductor	LM385AZ-1.2	SPX385AN-1.2	Voltage Reference	3 TO-92	0C to +70C
National Semiconductor	LM385YZ-2.5	SPX385AN-2.5	Voltage Reference	3 TO-92	0C to +70C
National Semiconductor	LM385AM-1.2	SPX385AS-1.2	Voltage Reference	8 SOIC	0C to +70C
National Semiconductor	LM385YM-2.5	SPX385AS-2.5	Voltage Reference	8 SOIC	0C to +70C
National Semiconductor	LM385Z-1.2	SPX385N-1.2	Voltage Reference	3 TO-92	0C to +70C
National Semiconductor	LM385Z-2.5	SPX385N-2.5	Voltage Reference	3 TO-92	0C to +70C
National Semiconductor	LM385M-1.2	SPX385S-1.2	Voltage Reference	8 SOIC	0C to +70C
National Semiconductor	LM385M-2.5	SPX385S-2.5	Voltage Reference	8 SOIC	0C to +70C
National Semiconductor	LM4040CIM3-2.5	SPX4040AM-2.5	Voltage Reference	3 SOT-23	0C to +70C
National Semiconductor	LM4040DIM3-2.5	SPX4040M-2.5	Precision Voltage Reference	3 SOT-23	0C to +70C
National Semiconductor	LM4040CIZ-2.5	SPX4040N-2.5	Precision Voltage Reference	3 TO-92	0C to +70C
National Semiconductor	LM4040DIZ-2.5	SPX4040N-2.5	Precision Voltage Reference	3 TO-92	0C to +70C
National Semiconductor	LM4040EIZ-2.5	SPX4040N-2.5	Precision Voltage Reference	3 TO-92	0C to +70C
National Semiconductor	LM4041CIM3-1.2	SPX4041AM	Voltage Reference	3 SOT-23	0C to +70C
National Semiconductor	LM4041DIM3-1.2	SPX4041M	Voltage Reference	3 SOT-23	0C to +70C
National Semiconductor	LM4041EIM3-1.2	SPX4041M	Voltage Reference	3 SOT-23	0C to +70C
National Semiconductor	LM4041CIZ-1.2	SPX4041N	Voltage Reference	3 TO-92	0C to +70C
National Semiconductor	LM4041DIZ-1.2	SPX4041N	Voltage Reference	3 TO-92	0C to +70C
National Semiconductor	LM4041EIZ-1.2	SPX4041N	Voltage Reference	3 TO-92	0C to +70C
National Semiconductor	LM431CCM	SPX431LAS	2.5V Shunt Regulator	8 SOIC	0C to +70C
National Semiconductor	LP2985IM5-2.8	SPX5205M5-2.8	150mA PNP LDO Voltage Regulator	5 Pin SOT-23	0C to +70C
National Semiconductor	LP2985IM5-3.3	SPX5205M5-3.3	150mA PNP LDO Voltage Regulator	5 Pin SOT-23	0C to +70C
National Semiconductor	LP2985IM5-2.5	SPX5205M5-2.5	150mA PNP LDO Voltage Regulator	5 Pin SOT-23	0C to +70C
National Semiconductor	LP2985IM5-5.0	SPX5205M5-5.0	150mA PNP LDO Voltage Regulator	5 Pin SOT-23	0C to +70C
National Semiconductor	DS3695AM	SP485EN	Low Power Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
National Semiconductor	DS3695N	SP485CS	Low Power Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
National Semiconductor	DS486M	SP489CT	5V, low power, 5 Mbps quad RS-485 Receivers	16 SOIC	Pin to Pin
National Semiconductor	DS75176BM	SP481ECN	Enhanced Half Duplex, 5Mbps, RS-485 Transceivers, Shutdown	8 NSOIC	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
National Semiconductor	DS75176BN	SP485ECP	Enhanced, Low Power Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
National Semiconductor	DS75176BTM	SP481EEN	Enhanced Half Duplex, 5Mbps, RS-485 Transceivers, Shutdown	8 NSOIC	Pin to Pin
National Semiconductor	DS75176BTN	SP485EEP	Enhanced Low Power Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
National Semiconductor	DS96172CN	SP486CS	Quad RS-485 Drivers, Common Enable	16 PDIP	Pin to Pin
National Semiconductor	DS96173CN	SP488CS	5V, low power, 5 Mbps quad RS-485 Receivers	16 PDIP	Pin to Pin
National Semiconductor	DS96174CN	SP487CS	5V, low power, 5 Mbps quad RS-485 Drivers	16 PDIP	Pin to Pin
National Semiconductor	DS96175CN	SP489CS	5V, low power, 5 Mbps quad RS-485 Receivers	16 PDIP	Pin to Pin
National Semiconductor	LM1117DT	SPX1117R	800mA NPN LDO Voltage Regulator	3 TO-252	Pin to Pin
National Semiconductor	LM1117DT-1.8	SPX1117R-1.8	800mA NPN LDO Voltage Regulator	3 TO-252	Pin to Pin
National Semiconductor	LM1117DT-2.5	SPX1117R-2.5	800mA NPN LDO Voltage Regulator	3 TO-252	Pin to Pin
National Semiconductor	LM1117DT-2.85	SPX1117R-2.85	800mA NPN LDO Voltage Regulator	3 TO-252	Pin to Pin
National Semiconductor	LM1117DT-3.3	SPX1117R-3.3	800mA NPN LDO Voltage Regulator	3 TO-252	Pin to Pin
National Semiconductor	LM1117MP	SPX1117M3	800mA NPN LDO Voltage Regulator	3 SOT-223	Pin to Pin
National Semiconductor	LM1117MP-1.8	SPX1117M3-1.8	800mA NPN LDO Voltage Regulator	3 SOT-223	Pin to Pin
National Semiconductor	LM1117MP-2.5	SPX1117M3-2.5	800mA NPN LDO Voltage Regulator	3 SOT-223	Pin to Pin
National Semiconductor	LM1117MP-2.85	SPX1117M3-2.85	800mA NPN LDO Voltage Regulator	3 SOT-223	Pin to Pin
National Semiconductor	LM1117MP-3.3	SPX1117M3-3.3	800mA NPN LDO Voltage Regulator	3 SOT-223	Pin to Pin
National Semiconductor	LM1117T	SPX1117U	800mA NPN LDO Voltage Regulator	3 TO-220	Pin to Pin
National Semiconductor	LM1117T-2.85	SPX1117U-2.85	800mA NPN LDO Voltage Regulator	3 TO-220	Pin to Pin
National Semiconductor	LM1117T-3.3	SPX1117U-3.3	800mA NPN LDO Voltage Regulator	3 TO-220	Pin to Pin
National Semiconductor	LM2937ES-5.0	SPX2945T-5.0	500mA PNP LDO Voltage Regulator	3 TO-263	Pin to Pin
National Semiconductor	LM2937ET-5.0	SPX2945U-5.0	500mA PNP LDO Voltage Regulator	3 TO-220	Pin to Pin
National Semiconductor	LM2937IMP-5.0	SPX2945M3-5.0	500mA PNP LDO Voltage Regulator	3 SOT-223	Pin to Pin
National Semiconductor	LM2940CS-5.0	SPX2940T-5.0	1A PNP LDO Voltage Regulator	3 TO-263	Pin to Pin
National Semiconductor	LM2940CT-5.0	SPX2940U-5.0	1A PNP LDO Voltage Regulator	3 TO-220	Pin to Pin
National Semiconductor	LM2940S-5.0	SPX2940T-5.0	1A PNP LDO Voltage Regulator	3 TO-263	Pin to Pin
National Semiconductor	LM2940T-5.0	SPX2940U-5.0	1A PNP LDO Voltage Regulator	3 TO-220	Pin to Pin
National Semiconductor	LM2941CS	SPX2941T5	1A PNP LDO Voltage Regulator with Enable	3 TO-263	Pin to Pin
National Semiconductor	LM2941CT	SPX2941U5	1A PNP LDO Voltage Regulator with Enable	5 TO-220	Pin to Pin
National Semiconductor	LM2941S	SPX2941T5	1A PNP LDO Voltage Regulator with Enable	3 TO-263	Pin to Pin
National Semiconductor	LM2941T	SPX2941U5	1A PNP LDO Voltage Regulator with Enable	5 TO-220	Pin to Pin
National Semiconductor	LM385AM-1.2	SPX385AS-1.2	Voltage Reference	8 SOIC	Pin to Pin
National Semiconductor	LM385AZ-1.2	SPX385AN-1.2	Voltage Reference	3 TO-92	Pin to Pin
National Semiconductor	LM385M-1.2	SPX385S-1.2	Voltage Reference	8 SOIC	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
National Semiconductor	LM385M-2.5	SPX385S-2.5	Voltage Reference	8 SOIC	Pin to Pin
National Semiconductor	LM385YM-2.5	SPX385AS-2.5	Voltage Reference	8 SOIC	Pin to Pin
National Semiconductor	LM385YZ-2.5	SPX385AN-2.5	Voltage Reference	3 TO-92	Pin to Pin
National Semiconductor	LM385Z-1.2	SPX385N-1.2	Voltage Reference	3 TO-92	Pin to Pin
National Semiconductor	LM385Z-2.5	SPX385N-2.5	Voltage Reference	3 TO-92	Pin to Pin
National Semiconductor	LM4040CIM3-2.5	SPX4040AM-2.5	Voltage Reference	3 SOT-23	Pin to Pin
National Semiconductor	LM4040CIZ-2.5	SPX4040N-2.5	Precision Voltage Reference	3 TO-92	Pin to Pin
National Semiconductor	LM4040DIM3-2.5	SPX4040M-2.5	Precision Voltage Reference	3 SOT-23	Pin to Pin
National Semiconductor	LM4040DIZ-2.5	SPX4040N-2.5	Precision Voltage Reference	3 TO-92	Pin to Pin
National Semiconductor	LM4040EIZ-2.5	SPX4040N-2.5	Precision Voltage Reference	3 TO-92	Pin to Pin
National Semiconductor	LM4041CIM3-1.2	SPX4041AM	Voltage Reference	3 SOT-23	Pin to Pin
National Semiconductor	LM4041CIZ-1.2	SPX4041N	Voltage Reference	3 TO-92	Pin to Pin
National Semiconductor	LM4041DIM3-1.2	SPX4041M	Voltage Reference	3 SOT-23	Pin to Pin
National Semiconductor	LM4041DIZ-1.2	SPX4041N	Voltage Reference	3 TO-92	Pin to Pin
National Semiconductor	LM4041EIM3-1.2	SPX4041M	Voltage Reference	3 SOT-23	Pin to Pin
National Semiconductor	LM4041EIZ-1.2	SPX4041N	Voltage Reference	3 TO-92	Pin to Pin
National Semiconductor	LM431BCM3	SPX2431M	Precision Adjustable Shunt Regulator	3 SOT-23	Functional Equivalent
National Semiconductor	LM431BCZ	SPX2431N	Precision Adjustable Shunt Regulator	3 SOT-23	Functional Equivalent
National Semiconductor	LM431CCM3	SPX2431AM	Precision Adjustable Shunt Regulator	3 SOT-23	Functional Equivalent
National Semiconductor	LM431CCZ	SPX2431AN	Precision Adjustable Shunt Regulator	3 SOT-23	Functional Equivalent
National Semiconductor	LMS1585ACS-1.5	SPX1585T-1.5	5A NPN LDO Voltage Regulator	3 TO-263	Functional Equivalent
National Semiconductor	LMS1585ACS-3.3	SPX1585T-3.3	5A NPN LDO Voltage Regulator	3 TO-263	Pin to Pin
National Semiconductor	LMS1585ACS-3.3	SPX1585T-3.3	5A NPN LDO Voltage Regulator	3 TO-263	Pin to Pin
National Semiconductor	LMS1585ACS-ADJ	SPX1585T	5A NPN LDO Voltage Regulator	5 TO-263	Pin to Pin
National Semiconductor	LMS1585ACT-1.5	SPX1585U-1.5	5A NPN LDO Voltage Regulator	3 TO-220	Functional Equivalent
National Semiconductor	LMS1585ACT-3.3	SPX1585U-3.3	5A NPN LDO Voltage Regulator	3 TO-220	Pin to Pin
National Semiconductor	LMS1585ACT-ADJ	SPX1585U	5A NPN LDO Voltage Regulator	3 TO-220	Pin to Pin
National Semiconductor	LMS1585ACT-ADJ	SPX1585U	5A NPN LDO Voltage Regulator	3 TO-220	Pin to Pin
National Semiconductor	LMS5213IM7-3.0	SP6213EC5-3.0	100mA SC-70 CMOS LDO	5 SC-70	Pin to Pin
National Semiconductor	LMS5213IM7-3.3	SP6213EC5-3.3	100mA SC-70 CMOS LDO	5 SC-70	Pin to Pin
National Semiconductor	LMS5213IM7X-3.0	SP6213EC5-3.0	100mA SC-70 CMOS LDO	5 SC-70	Pin to Pin
National Semiconductor	LMS5213IM7X-3.3	SP6213EC5-3.3	100mA SC-70 CMOS LDO	5 SC-70	Pin to Pin
National Semiconductor	LP2950ACZ-3.3	LP2950ACN-3.3	100mA Low Dropout PNP Voltage Regulator	8 SOIC	Pin to Pin
National Semiconductor	LP2950ACZ-5.0	LP2950ACN-5.0	100mA Low Dropout PNP Voltage Regulator	8 SOIC	Pin to Pin
National Semiconductor	LP2950CZ-3.3	LP2950ACN-3.3	100mA Low Dropout PNP Voltage Regulator	8 SOIC	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
National Semiconductor	LP2950CZ-5.0	LP2950ACN-5.0	100mA Low Dropout PNP Voltage Regulator	8 SOIC	Pin to Pin
National Semiconductor	LP2951ACM	SPX2951ACS-5.0	100 mA PNP LDO Voltage Regulator	8 SOIC	Pin to Pin
National Semiconductor	LP2951ACM-3.3	SPX2951ACS-3.3	100 mA PNP LDO Voltage Regulator	8 SOIC	Pin to Pin
National Semiconductor	LP2951ACMM	LP2951ACS-5.0	100mA Low Dropout PNP Voltage Regulator	8 SOIC	Pin to Pin
National Semiconductor	LP2951ACMM-3.3	LP2951ACS-3.3	100mA Low Dropout PNP Voltage Regulator	8 SOIC	Pin to Pin
National Semiconductor	LP2951CM	SPX2951ACS-5.0	100 mA PNP LDO Voltage Regulator	8 SOIC	Pin to Pin
National Semiconductor	LP2951CM-3.3	SPX2951ACS-3.3	100 mA PNP LDO Voltage Regulator	8 SOIC	Pin to Pin
National Semiconductor	LP2951CMM	LP2951ACS-5.0	100mA Low Dropout PNP Voltage Regulator	8 SOIC	Pin to Pin
National Semiconductor	LP2951CMM-3.3	LP2951ACS-3.3	100mA Low Dropout PNP Voltage Regulator	8 SOIC	Pin to Pin
National Semiconductor	LP2985IM5-2.5	SPX5205M5-5.0	150mA PNP LDO Voltage Regulator	5 SOT-23	Pin to Pin
National Semiconductor	LP2985IM5-2.8	SPX5205M5-2.5	150mA PNP LDO Voltage Regulator	5 SOT-23	Pin to Pin
National Semiconductor	LP2985IM5-3.3	SPX5205M5-3.3	150mA PNP LDO Voltage Regulator	5 SOT-23	Pin to Pin
National Semiconductor	LP2985IM5-5.0	SPX5205M5-5.0	150mA PNP LDO Voltage Regulator	5 SOT-23	Pin to Pin
National Semiconductor	LP3963ES-1.8	SPX29301T5-1.8	3A High Current, PNP, Low Dropout Voltage Regulator	5 TO-263	Pin to Pin
National Semiconductor	LP3963ES-2.5	SPX29301T5-2.5	3A High Current, PNP, Low Dropout Voltage Regulator	5 TO-263	Pin to Pin
National Semiconductor	LP3963ES-3.3	SPX29301T5-3.3	3A High Current, PNP, Low Dropout Voltage Regulator	5 TO-263	Pin to Pin
National Semiconductor	LP3963ES-5.0	SPX29301T5-5.0	3A High Current, PNP, Low Dropout Voltage Regulator	5 TO-263	Pin to Pin
National Semiconductor	LP3963ET-1.8	SPX29301U5-1.8	3A High Current, PNP, Low Dropout Voltage Regulator	5 TO-220	Pin to Pin
National Semiconductor	LP3963ET-2.5	SPX29301U5-2.5	3A High Current, PNP, Low Dropout Voltage Regulator	5 TO-220	Pin to Pin
National Semiconductor	LP3963ET-3.3	SPX29301U5-3.3	3A High Current, PNP, Low Dropout Voltage Regulator	5 TO-220	Pin to Pin
National Semiconductor	LP3963ET-5.0	SPX29301U5-5.0	3A High Current, PNP, Low Dropout Voltage Regulator	5 TO-220	Pin to Pin
National Semiconductor	LP3966ES-ADJ	SPX29302T5	3A High Current, PNP, Low Dropout Voltage Regulator	5 TO-263	Pin to Pin
National Semiconductor	LP3966ET-ADJ	SPX29302U5	3A High Current, PNP, Low Dropout Voltage Regulator	5 TO-220	Pin to Pin



## ON Semiconductor

Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
ON Semiconductor	LP2950ACZ-3.3	LP2950ACN-3.3	100 mA Low Dropout Regulator	3 TO-92	Pin to Pin
ON Semiconductor	LP2950ACZ-3.3	LP2950CN-3.3	100 mA Low Dropout Regulator	3 TO-92	Pin to Pin
ON Semiconductor	LP2950ACZ-3.3RA	LP2950ACN-3.3	100 mA Low Dropout Regulator	3 TO-92	Pin to Pin
ON Semiconductor	LP2950ACZ-3.3RA	LP2950CN-3.3	100 mA Low Dropout Regulator	3 TO-92	Pin to Pin
ON Semiconductor	LP2950ACZ-5.0	LP2950ACN-5.0	100 mA Low Dropout Regulator	3 TO-92	Pin to Pin
ON Semiconductor	LP2950ACZ-5.0	LP2950CN-5.0	100 mA Low Dropout Regulator	3 TO-92	Pin to Pin
ON Semiconductor	LP2950ACZ-5.0RA	LP2950ACN-5.0	100 mA Low Dropout Regulator	3 TO-92	Pin to Pin
ON Semiconductor	LP2950ACZ-5.0RA	LP2950CN-5.0	100 mA Low Dropout Regulator	3 TO-92	Pin to Pin
ON Semiconductor	LP2950CZ-3.3	LP2950ACN-3.3	100 mA Low Dropout Regulator	3 TO-92	Pin to Pin
ON Semiconductor	LP2950CZ-3.3	LP2950CN-3.3	100 mA Low Dropout Regulator	3 TO-92	Pin to Pin
ON Semiconductor	LP2950CZ-3.3RA	LP2950ACN-3.3	100 mA Low Dropout Regulator	3 TO-92	Pin to Pin
ON Semiconductor	LP2950CZ-3.3RA	LP2950CN-3.3	100 mA Low Dropout Regulator	3 TO-92	Pin to Pin
ON Semiconductor	LP2950CZ-5.0	LP2950ACN-5.0	100 mA Low Dropout Regulator	3 TO-92	Pin to Pin
ON Semiconductor	LP2950CZ-5.0	LP2950CN-5.0	100 mA Low Dropout Regulator	3 TO-92	Pin to Pin
ON Semiconductor	LP2950CZ-5.0RA	LP2950ACN-5.0	100 mA Low Dropout Regulator	3 TO-92	Pin to Pin
ON Semiconductor	LP2950CZ-5.0RA	LP2950CN-5.0	100 mA Low Dropout Regulator	3 TO-92	Pin to Pin
ON Semiconductor	LP2950CZ-5.0RP	LP2950ACN-5.0	100 mA Low Dropout Regulator	3 TO-92	Pin to Pin
ON Semiconductor	LP2950CZ-5.0RP	LP2950CN-5.0	100 mA Low Dropout Regulator	3 TO-92	Pin to Pin
ON Semiconductor	LP2951ACD	LP2951ACS-5.0	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
ON Semiconductor	LP2951ACD	LP2951CS-5.0	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
ON Semiconductor	LP2951ACD-3.3	LP2951ACS-3.3	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
ON Semiconductor	LP2951ACD-3.3	LP2951CS-3.3	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
ON Semiconductor	LP2951ACD-3.3R2	LP2951ACS-3.3	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
ON Semiconductor	LP2951ACD-3.3R2	LP2951CS-3.3	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
ON Semiconductor	LP2951ACDR2	LP2951ACS-5.0	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
ON Semiconductor	LP2951ACDR2	LP2951CS-5.0	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
ON Semiconductor	LP2951CD	LP2951ACS-5.0	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
ON Semiconductor	LP2951CD-005	LP2951ACS-5.0	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
ON Semiconductor	LP2951CD-005	LP2951CS-5.0	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
ON Semiconductor	LP2951CD-3.3	LP2951ACS-3.3	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
ON Semiconductor	LP2951CD-3.3	LP2951CS-3.3	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
ON Semiconductor	LP2951CD-3.3R2	LP2951ACS-3.3	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
ON Semiconductor	LP2951CD-3.3R2	LP2951CS-3.3	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
ON Semiconductor	LP2951CD-5R2	LP2951ACS-5.0	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
ON Semiconductor	LP2951CD-5R2	LP2951CS-5.0	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
ON Semiconductor	LP2951CDR2	LP2951ACS-5.0	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin
ON Semiconductor	LP2951CDR2	LP2951CS-5.0	100 mA Low Dropout Regulator	8 Pin SOIC	Pin to Pin

### Philips

Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Philips	PDIUSBP11	SP5301CN	Universal Serial Bus Transceivers	14 NSOIC	Pin to Pin
Philips	PDIUSBP11A	SP5301CN	Universal Serial Bus Transceivers	14 NSOIC	Pin to Pin
Philips	PDIUSBP11D	SP5301CN	Universal Serial Bus Transceivers	14 NSOIC	Pin to Pin

### Semtech

Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Semtech	EZ1084CM	SPX1585AT	5A NPN LDO Voltage Regulator	3 TO-263	Pin to Pin
Semtech	EZ1084CM-2.5	SPX1585AT-2.5	5A NPN LDO Voltage Regulator	3 TO-263	Pin to Pin
Semtech	EZ1084CM-2.5	SPX1584AT-2.5	5A NPN LDO Voltage Regulator	3 TO-220	Functional Equivalent
Semtech	EZ1084CM-3.3	SPX1585AT-3.3	5A NPN LDO Voltage Regulator	3 TO-263	Pin to Pin
Semtech	EZ1084CT-2.5	SPX1585AU-2.5	5A NPN LDO Voltage Regulator	3 TO-220	Pin to Pin
Semtech	EZ1085CM-2.5	SPX1587AT-2.5	3A NPN LDO Voltage Regulator	3 TO-263	Pin to Pin
Semtech	EZ1085CM-5.0	SPX1587AT-5.0	5A NPN LDO Voltage Regulator	3 TO-263	Pin to Pin
Semtech	EZ1085CT-2.5	SPX1587AU-2.5	3A NPN LDO Voltage Regulator	3 TO-220	Pin to Pin
Semtech	EZ1086CM-2.5	SPX2815AT-2.5	1.5A NPN LDO Voltage Regulator	3 TO-263	Pin to Pin
Semtech	EZ1086CT-2.5	SPX2815AU-2.5	1.5A NPN LDO Voltage Regulator	3 TO-220	Pin to Pin
Semtech	EZ1117ACM	SPX2810AT	1.0A NPN LDO Voltage Regulator	3 TO-263	Pin to Pin
Semtech	EZ1117ACM-2.5	SPX1117T-2.5	800mA NPN Low Dropout Voltage Regulator	3 TO-263	Pin to Pin
Semtech	EZ1117ACM-3.3	SPX2810AT-3.3	1A NPN LDO Voltage Regulator	3 TO-263	Pin to Pin
Semtech	EZ1117ACST	SPX2810AM3	1A NPN LDO Voltage Regulator	3 SOT-223	Pin to Pin
Semtech	EZ1117ACST-2.5	SPX1117M3-2.5	800mA NPN Low Dropout Voltage Regulator	3 SOT-223	Pin to Pin
Semtech	EZ1117ACST-3.3	SPX1117M3-3.3	800mA NPN Low Dropout Voltage Regulator	3 SOT-223	Pin to Pin
Semtech	EZ1117CM	SPX1117T	800mA NPN Low Dropout Voltage Regulator	3 TO-263	Pin to Pin
Semtech	EZ1117CM-2.5	SPX1117T-2.5	800mA NPN Low Dropout Voltage Regulator	3 TO-263	Pin to Pin
Semtech	EZ1117CM-3.3	SPX1117T-3.3	800mA NPN Low Dropout Voltage Regulator	3 TO-263	Pin to Pin
Semtech	EZ1117CST	SPX1117M3	800mA NPN Low Dropout Voltage Regulator	3 SOT-223	Pin to Pin
Semtech	EZ1117CST-2.5	SPX1117M3-2.5	800mA NPN Low Dropout Voltage Regulator	3 SOT-223	Pin to Pin
Semtech	EZ1117CST-3.3	SPX1117M3-3.3	800mA NPN Low Dropout Voltage Regulator	3 SOT-223	Pin to Pin
Semtech	EZ1581CM	SPX1581T5	5A Low Dropout NPN Voltage Regulator	5 TO-263	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Semtech	EZ1581CM-2.5	SPX1581T5-2.5	5A Low Dropout NPN Voltage Regulator	5 TO-263	Pin to Pin
Semtech	EZ1581CT	SPX1581U5	5A Low Dropout NPN Voltage Regulator	5 TO-220	Pin to Pin
Semtech	EZ1581CT-2.5	SPX1581U5-2.5	5A Low Dropout NPN Voltage Regulator	5 TO-220	Pin to Pin
Semtech	EZ1583CM	SPX1583T5	3A NPN Ultra LDO Voltage Regulator	3 TO-263	Pin to Pin
Semtech	EZ1583CM-2.5	SPX1583T5-2.5	3A NPN Ultra LDO Voltage Regulator	3 TO-263	Pin to Pin
Semtech	EZ1585CT-1.5	SPX1585AT-1.5	5A NPN LDO Voltage Regulator	3 TO-263	Functional Equivalent
Semtech	EZ1585CT-2.5	SPX1585AT-2.5	5A NPN LDO Voltage Regulator	3 TO-263	Pin to Pin
Semtech	EZ1585CT-2.5	SPX1585AU-2.5	5A NPN LDO Voltage Regulator	3 TO-220	Pin to Pin
Semtech	EZ1587CM-2.5	SPX1587AT-2.5	3A NPN LDO Voltage Regulator	3 TO-263	Pin to Pin
Semtech	EZ1587CT-2.5	SPX1587AU-2.5	3A NPN LDO Voltage Regulator	3 TO-220	Pin to Pin
Semtech	LP2951	LP2951ACS-5.0	100mA Low Dropout PNP Voltage Regulator	8 SOIC	Pin to Pin
Semtech	LP2951-3.3	LP2951ACS-3.3	100mA Low Dropout PNP Voltage Regulator	8 SOIC	Pin to Pin
Semtech	LP2951CM-3.3	LP2951CS-3.3	100mA Low Dropout PNP Voltage Regulator	8 SOIC	Pin to Pin
Semtech	LP2951CM-5.0	LP2951CS-5.0	100mA Low Dropout PNP Voltage Regulator	8 SOIC	Pin to Pin
Semtech	SC1004CS8-1.2	SPX1004S1-1.2	Precision Voltage Reference	8 SOIC	Pin to Pin
Semtech	SC1004CS8-2.5	SPX1004S1-2.5	Precision Voltage Reference	8 SOIC	Pin to Pin
Semtech	SC1117CM	SPX1117T	800mA NPN Low Dropout Voltage Regulator	3 TO-263	Pin to Pin
Semtech	SC1117CM-3.3	SPX1117T-3.3	800mA NPN Low Dropout Voltage Regulator	3 TO-263	Pin to Pin
Semtech	SC1117CST	SPX1117M3	800mA NPN Low Dropout Voltage Regulator	3 SOT-223	Pin to Pin
Semtech	SC1117CST-3.3	SPX1117M3-3.3	800mA NPN Low Dropout Voltage Regulator	3 SOT-223	Pin to Pin
Semtech	SC431LCSK-.5	SPX432AM	1.2V Shunt Regulator	3 SOT-23	Pin to Pin
Semtech	SC431LCSK-1	SPX432M	1.2V Shunt Regulator	3 SOT-23	Pin to Pin
Semtech	SC431LCSK-2	SPX431LM	2.5V Shunt Regulator	3 SOT-23	Pin to Pin
Semtech	SC431LCZ-2	SPX431LN	2.5V Shunt Regulator	3 TO-92	Pin to Pin
Semtech	SC5205-1.8CSK	SPX5205M5-1.8	150mA PNP LDO Voltage Regulator	5 SOT-23	Pin to Pin
Semtech	SC5205-2.5CSK	SPX5205M5-2.5	150mA PNP LDO Voltage Regulator	5 SOT-23	Pin to Pin
Semtech	SC5205-2.8CSK	SPX5205M5-2.8	150mA PNP LDO Voltage Regulator	5 SOT-23	Pin to Pin
Semtech	SC5205-3.3CSK	SPX5205M5-3.3	150mA PNP LDO Voltage Regulator	5 SOT-23	Pin to Pin
Semtech	SC5205-5.0CSK	SPX5205M5-5.0	150mA PNP LDO Voltage Regulator	5 SOT-23	Pin to Pin



## ST Micro

Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
ST Micro	ST202BD	SP202EEN	5V, RS-232, 2 Drivers, 2 Receivers	16 NSOIC	Pin to Pin
ST Micro	ST202BN	SP202EEP	5V, RS-232, 2 Drivers, 2 Receivers	16 DIP	Pin to Pin
ST Micro	ST202BW	SP202EET	5V, RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
ST Micro	ST202CD	SP202ECN	5V, RS-232, 2 Drivers, 2 Receivers	16 NSOIC	Pin to Pin
ST Micro	ST202CN	SP202ECP	5V, RS-232, 2 Drivers, 2 Receivers	16 DIP	Pin to Pin
ST Micro	ST202EBD	SP202EEN	5V, 15kV, RS-232, 2 Drivers, 2 Receivers	16 NOSE	Pin to Pin
ST Micro	ST202EBN	SP202EEP	5V, 15kV, RS-232, 2 Drivers, 2 Receivers	16 DIP	Pin to Pin
ST Micro	ST202EBW	SP202EET	5V, 15kV, RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
ST Micro	ST202ECD	SP202ECN	5V, 15kV, RS-232, 2 Drivers, 2 Receivers	16 NSOIC	Pin to Pin
ST Micro	ST202ECN	SP202ECP	5V, 15kV, RS-232, 2 Drivers, 2 Receivers	16 DIP	Pin to Pin
ST Micro	ST202ECW	SP202ECT	5V, 15kV, RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
ST Micro	ST202W	SP202ECT	5V, RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
ST Micro	ST207EBD	SP207EET	5V, 15kV, RS-232, 5 Drivers, 3 Receivers	24 SOIC	Pin to Pin
ST Micro	ST207EBP	SP207EEA	5V, 15kV, RS-232, 5 Drivers, 3 Receivers	24 SSOP	Pin to Pin
ST Micro	ST207ECD	SP207ECT	5V, 15kV, RS-232, 5 Drivers, 3 Receivers	24 SOIC	Pin to Pin
ST Micro	ST207ECP	SP207ECA	5V, 15kV, RS-232, 5 Drivers, 3 Receivers	24 SSOP	Pin to Pin
ST Micro	ST207EHBD	SP207EHET	5V, 15kV, High Performance RS-232, 5 Drivers, 3 Receivers	24 SOIC	Pin to Pin
ST Micro	ST207EHBP	SP207EHEA	5V, 15kV, High Performance RS-232, 5 Drivers, 3 Receivers	24 SSOP	Pin to Pin
ST Micro	ST207EHCD	SP207EHCT	5V, 15kV, High Performance RS-232, 5 Drivers, 3 Receivers	24 SOIC	Pin to Pin
ST Micro	ST207EHCP	SP207EHCA	5V, 15kV, High Performance RS-232, 5 Drivers, 3 Receivers	24 SSOP	Pin to Pin
ST Micro	ST232ABD	SP232AEN	5V, Enhanced RS-232, 2 Drivers, 2 Receivers	16 NSOIC	Pin to Pin
ST Micro	ST232ABN	SP232AEP	5V, Enhanced RS-232, 2 Drivers, 2 Receivers	16 DIP	Pin to Pin
ST Micro	ST232ABW	SP232AET	5V, Enhanced RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
ST Micro	ST232ACD	SP232ACN	5V, Enhanced RS-232, 2 Drivers, 2 Receivers	16 NSOIC	Pin to Pin
ST Micro	ST232ACN	SP232ACP	5V, Enhanced RS-232, 2 Drivers, 2 Receivers	16 DIP	Pin to Pin
ST Micro	ST232ACW	SP232ACT	5V, Enhanced RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
ST Micro	ST232EBD	SP232EEN	5V, 15kV High Performance RS-232, 2 Drivers, 2 Receivers	16 NSOIC	Pin to Pin
ST Micro	ST232EBN	SP232EEP	5V, 15kV High Performance RS-232, 2 Drivers, 2 Receivers	16 DIP	Pin to Pin
ST Micro	ST232EBW	SP232EET	5V, 15kV High Performance RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
ST Micro	ST232ECD	SP232ECN	5V, 15kV High Performance RS-232, 2 Drivers, 2 Receivers	16 NSOIC	Pin to Pin
ST Micro	ST232ECN	SP232ECP	5V, 15kV High Performance RS-232, 2 Drivers, 2 Receivers	16 DIP	Pin to Pin
ST Micro	ST232ECW	SP232ECT	5V, 15kV High Performance RS-232, 2 Drivers, 2 Receivers	16 SOIC	Pin to Pin
ST Micro	ST26C31BD	SP486ET	Quad RS-485 / RS-422 Line Drivers	16 SOIC	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
ST Micro	ST26C31BN	SP486ES	Quad RS-485 / RS-422 Line Drivers	16 DIP	Pin to Pin
ST Micro	ST26C32ABD	SP488ET	Quad RS-485 / RS-422 Line Receivers	16 SOIC	Pin to Pin
ST Micro	ST26C32ABN	SP488EP	Quad RS-485 / RS-422 Line Receivers	16 DIP	Pin to Pin
ST Micro	ST3222BT	SP3222EBEY	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	20 TSSOP	Pin to Pin
ST Micro	ST3222CT	SP3222EBCY	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	20 TSSOP	Pin to Pin
ST Micro	ST3222CT	SP3222EBCY	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC With Shutdown	20 TSSOP	Pin to Pin
ST Micro	ST3232BD	SP3232EBEN	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 NSOIC	Pin to Pin
ST Micro	ST3232BN	SP3232EBEP	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 DIP	Pin to Pin
ST Micro	ST3232BT	SP3232EBEY	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 TSSOP	Pin to Pin
ST Micro	ST3232BW	SP3232EBET	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 SOIC	Pin to Pin
ST Micro	ST3232CD	SP3232EBCN	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 NSOIC	Pin to Pin
ST Micro	ST3232CN	SP3232EBCP	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 DIP	Pin to Pin
ST Micro	ST3232CT	SP3232EBCY	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 TSSOP	Pin to Pin
ST Micro	ST3232CW	SP3232EBCT	3V, 15kV, 250kbps, RS-232, 2 Drivers, 2 Receivers Serial Interface IC	16 SOIC	Pin to Pin
ST Micro	ST3243BD	SP3243EBET	3V, 15kV, 250kbps, RS-232, 3 Drivers, 5 Receivers With AUTO ON-LINE®	28 SOIC	Pin to Pin
ST Micro	ST3243BP	SP3243EBEA	3V, 15kV, 250kbps, RS-232, 3 Drivers, 5 Receivers With AUTO ON-LINE®	28 SSOP	Pin to Pin
ST Micro	ST3243BT	SP3243EBEY	3V, 15kV, 250kbps, RS-232, 3 Drivers, 5 Receivers With AUTO ON-LINE®	28 TSSOP	Pin to Pin
ST Micro	ST3243CD	SP3243EBCT	3V, 15kV, 250kbps, RS-232, 3 Drivers, 5 Receivers With AUTO ON-LINE®	28 SOIC	Pin to Pin
ST Micro	ST3243CP	SP3243EBCA	3V, 15kV, 250kbps, RS-232, 3 Drivers, 5 Receivers With AUTO ON-LINE®	28 SSOP	Pin to Pin
ST Micro	ST3243CT	SP3243EBCY	3V, 15kV, 250kbps, RS-232, 3 Drivers, 5 Receivers With AUTO ON-LINE®	28 TSSOP	Pin to Pin
ST Micro	ST485BD	SP485EN	Low Power Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
ST Micro	ST485BN	SP485ES	Low Power Half Duplex RS-485 Transceivers	8 DIP	Pin to Pin
ST Micro	ST485CD	SP485CN	Low Power Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
ST Micro	ST485CN	SP485CS	Low Power Half Duplex RS-485 Transceivers	8 DIP	Pin to Pin
ST Micro	ST485EBD	SP485EEN	Enhanced Low Power Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
ST Micro	ST485EBN	SP485EEP	Enhanced Low Power Half Duplex RS-485 Transceivers	8 DIP	Pin to Pin
ST Micro	ST485ECD	SP485ECN	Enhanced Low Power Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
ST Micro	ST485ECN	SP485ECP	Enhanced Low Power Half Duplex RS-485 Transceivers	8 DIP	Pin to Pin



## TelCom Semiconductor

Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
TelCom Semiconductor	TC1055-2.7VCT	SP6200EM5-2.7	Micropower 100mA and 200mA CMOS LDO Regulators	5 Pin SOT23	Functional Equivalent
TelCom Semiconductor	TC1055-2.85VCT	SP6200EM5-2.85	Micropower 100mA and 200mA CMOS LDO Regulators	5 Pin SOT23	Functional Equivalent
TelCom Semiconductor	TC1055-3.0VCT	SP6200EM5-3.0	Micropower 100mA and 200mA CMOS LDO Regulators	5 Pin SOT23	Functional Equivalent
TelCom Semiconductor	TC1055-3.3VCT	SP6200EM5-3.3	Micropower 100mA and 200mA CMOS LDO Regulators	5 Pin SOT23	Functional Equivalent
TelCom Semiconductor	TC1055-5.0VCT	SP6200EM5-5.0	Micropower 100mA and 200mA CMOS LDO Regulators	5 Pin SOT23	Functional Equivalent
TelCom Semiconductor	TC1186-2.7VCT	SP6201EM5-2.7	Micropower 100mA and 200mA CMOS LDO Regulators	5 Pin SOT23	Functional Equivalent
TelCom Semiconductor	TC1186-2.85VCT	SP6201EM5-2.85	Micropower 100mA and 200mA CMOS LDO Regulators	5 Pin SOT23	Functional Equivalent
TelCom Semiconductor	TC1186-3.0VCT	SP6201EM5-3.0	Micropower 100mA and 200mA CMOS LDO Regulators	5 Pin SOT23	Functional Equivalent
TelCom Semiconductor	TC1186-3.3VCT	SP6201EM5-3.3	Micropower 100mA and 200mA CMOS LDO Regulators	5 Pin SOT23	Functional Equivalent
TelCom Semiconductor	TC1186-5.0VCT	SP6201EM5-5.0	Micropower 100mA and 200mA CMOS LDO Regulators	5 Pin SOT23	Functional Equivalent
TelCom Semiconductor	TC1219ECH	SP6830EK	Low Power Voltage Inverters With Shutdown	6 Pin SOT23	Functional Equivalent
TelCom Semiconductor	TC1220ECH	SP6831EK	Low Power Voltage Inverters With Shutdown	6 Pin SOT23	Functional Equivalent
TelCom Semiconductor	TC232COE	SP232EET	High-Performance RS-232 Line Drivers/Receivers	16 Pin PDIP	Pin to Pin
TelCom Semiconductor	TC682COA	SP682CN	Ultra-Low Power Inverting Voltage Doubler	8 Pin SOIC	Functional Equivalent
TelCom Semiconductor	TC682CPA	SP682CP	Ultra-Low Power Inverting Voltage Doubler	8 Pin PDIP	Functional Equivalent
TelCom Semiconductor	TC682EOA	SP682EN	Ultra-Low Power Inverting Voltage Doubler	8 Pin SOIC	Functional Equivalent
TelCom Semiconductor	TC682EPA	SP682EP	Ultra-Low Power Inverting Voltage Doubler	8 Pin PDIP	Functional Equivalent
TelCom Semiconductor	TCM828ECT	SP6828EK	3V Low Power Voltage Inverters	5 Pin SOT23	Functional Equivalent
TelCom Semiconductor	TCM829ECT	SP6829EK	3V Low Power Voltage Inverters	5 Pin SOT23	Functional Equivalent



## Texas Instruments

Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Texas Instruments	MAX232D	SP232ACN	5V Only RS-232, 2 Drivers, 2 Receivers	16 NSOIC	Pin to Pin
Texas Instruments	MAX232N	SP232ACP	5V Only RS-232, 2 Drivers, 2 Receivers	16 PDIP	Pin to Pin
Texas Instruments	MAX3221DB	SP3220EBEA	3V, 15kV, 250kbps, RS-232, 1 Driver, 1 Receiver Serial Interface IC	16 SSOP	Pin to Pin
Texas Instruments	MAX3221PW	SP3220EBCY	3V, 15kV, 250kbps, RS-232, 1 Driver, 1 Receiver Serial Interface IC	16 TSSOP	Pin to Pin
Texas Instruments	MAX3238DB	SP3238EEA	3V, 15kV, 250kbps, RS-232, 5 Drivers, 3 Receivers Serial Interface IC With AUTO ON-LINE®	28 SSOP	Pin to Pin
Texas Instruments	MAX3238PW	SP3238EEY	3V, 15kV, 250kbps, RS-232, 5 Drivers, 3 Receivers Serial Interface IC With AUTO ON-LINE®	28 TSSOP	Pin to Pin
Texas Instruments	MAX3243DB	SP3243EBEA	3V, 15kV, 250kbps, RS-232, 5 Drivers, 3 Receivers Serial Interface IC With AUTO ON-LINE®	28 SSOP	Pin to Pin
Texas Instruments	MAX3243DW	SP3243EBET	3V, 15kV, 250kbps, RS-232, 5 Drivers, 3 Receivers Serial Interface IC With AUTO ON-LINE®	28 WSOIC	Pin to Pin
Texas Instruments	MC3486D	SP489CT	Quad RS-485/RS-422 Line Receivers	16 SOIC	Pin to Pin
Texas Instruments	MC3486N	SP489CS	Quad RS-485/RS-422 Line Receivers	16 PDIP	Pin to Pin
Texas Instruments	MC3487D	SP487CT	Quad RS-485/RS-422 Line Drivers	16 SOIC	Pin to Pin
Texas Instruments	MC3487N	SP487CS	Quad RS-485/RS-422 Line Drivers	16 PDIP	Pin to Pin
Texas Instruments	SN65176BD	SP485EN	Low Power Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Texas Instruments	SN65176BP	SP485ES	Low Power Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Texas Instruments	SN65ALS180D	SP491EN	Full Duplex, 5Mbps, RS-485 Driver and Receiver, Driver and Receiver Tri-state	8 NSOIC	Pin to Pin
Texas Instruments	SN65ALS180N	SP491ES	Full Duplex, 5Mbps, RS-485 Driver and Receiver, Driver and Receiver Tri-state	8 PDIP	Pin to Pin
Texas Instruments	SN65C3221DB	SP3220EUEA	3V, 15 kV, 1Mbps, RS-232, 1 Driver, 1 Receiver Serial Interface IC	16 SSOP	Pin to Pin
Texas Instruments	SN65C3221PW	SP3220EUEY	3V, 15 kV, 1Mbps, RS-232, 1 Driver, 1 Receiver Serial Interface IC	16 TSSOP	Pin to Pin
Texas Instruments	SN65C3243DB	SP3243EUEA	3V, 15 kV, 1Mbps, RS-232, 3 Drivers, 5 Receivers Serial Interface IC With AUTO ON-LINE®	28 SSOP	Pin to Pin
Texas Instruments	SN65C3243DW	SP3243EUET	3V, 15 kV, 1Mbps, RS-232, 3 Drivers, 5 Receivers Serial Interface IC With AUTO ON-LINE®	28 SOIC	Pin to Pin
Texas Instruments	SN65C3243PW	SP3243EUEY	3V, 15 kV, 1Mbps, RS-232, 3 Drivers, 5 Receivers Serial Interface IC With AUTO ON-LINE®	28 TSSOP	Pin to Pin
Texas Instruments	SN65HVD11	SP3481	3.3V Low Power Half-Duplex RS-485 Transceivers with 10Mbps Data Rate	8 NSOIC	Pin to Pin
Texas Instruments	SN65HVD3082E	SP483	Low Power Half-Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Texas Instruments	SN65HVD3082E	SP483E	Enhanced Low EMI Half-Duplex RS-485 Transceiver	8 NSOIC	Pin to Pin
Texas Instruments	SN65LBC176	SP481	Low Power Half-Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Texas Instruments	SN65LBC176	SP481E	Low Power Half-Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Texas Instruments	SN65LBC176	SP481R	Low Power Half-Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Texas Instruments	SN65LBC176	SP483	Low Power Half-Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Texas Instruments	SN65LBC176	SP483E	Enhanced Low EMI Half-Duplex RS-485 Transceiver	8 NSOIC	Pin to Pin
Texas Instruments	SN75172DW	SP486CT	Quad RS-485 Drivers, Common Enable	16 SOIC	Pin to Pin
Texas Instruments	SN75172N	SP486CS	Quad RS-485 Drivers, Common Enable	16 PDIP	Pin to Pin
Texas Instruments	SN75173D	SP488CT	Quad RS-485/RS-422 Line Receivers	16 SOIC	Pin to Pin
Texas Instruments	SN75173N	SP488CS	Quad RS-485/RS-422 Line Receivers	16 PDIP	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Texas Instruments	SN75174DW	SP487CT	Quad RS-485/RS-422 Line Drivers	16 SOIC	Pin to Pin
Texas Instruments	SN75174N	SP487CS	Quad RS-485/RS-422 Line Drivers	16 PDIP	Pin to Pin
Texas Instruments	SN75175D	SP489CT	Quad RS-485/RS-422 Line Receivers	16 SOIC	Pin to Pin
Texas Instruments	SN75175N	SP489CS	Quad RS-485/RS-422 Line Receivers	16 PDIP	Pin to Pin
Texas Instruments	SN75176AD	SP485CN	Low Power Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Texas Instruments	SN75176AP	SP485CS	Low Power Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Texas Instruments	SN75176BD	SP485ECN	Enhanced, Low Power Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Texas Instruments	SN75176BP	SP485ECP	Enhanced, Low Power Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Texas Instruments	SN75179BD	SP490CN	Full Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Texas Instruments	SN75179BP	SP490CS	Full Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Texas Instruments	SN75ALS176AD	SP485RCN	Enhanced Low Power Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Texas Instruments	SN75ALS176AP	SP485RCP	Enhanced Low Power Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Texas Instruments	SN75ALS176BD	SP485RCN	Enhanced Low Power Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Texas Instruments	SN75ALS176BP	SP485RCP	Enhanced Low Power Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Texas Instruments	SN75ALS176D	SP485RCN	Enhanced Low Power Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Texas Instruments	SN75ALS176P	SP485RCP	Enhanced Low Power Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Texas Instruments	SN75ALS180D	SP491ECN	Enhanced Full Duplex, 5Mbps, RS-485 Driver and Receiver, Driver and Receiver Tri-state	14 NSOIC	Pin to Pin
Texas Instruments	SN75ALS180N	SP491ECP	Enhanced Full Duplex, 5Mbps, RS-485 Driver and Receiver, Driver and Receiver Tri-state	14 PDIP	Pin to Pin
Texas Instruments	SN75C3221DB	SP3220EUCA	3V, 15kV, 1Mbps, RS-232, 1 Driver, 1 Receiver Serial Interface IC	16 SSOP	Pin to Pin
Texas Instruments	SN75C3221PW	SP3220EUCY	3V, 15kV, 1Mbps, RS-232, 1 Driver, 1 Receiver Serial Interface IC	16 TSSOP	Pin to Pin
Texas Instruments	SN75C3222DB	SP3222EUCA	3V, 15kV, 1Mbps, RS-232, 2 Driver, 2 Receivers Serial Interface IC With Shutdown	20 SSOP	Pin to Pin
Texas Instruments	SN75C3222DW	SP3222EUCT	3V, 15kV, 1Mbps, RS-232, 2 Driver, 2 Receivers Serial Interface IC With Shutdown	18 SOIC	Pin to Pin
Texas Instruments	SN75C3222PW	SP3222EUCY	3V, 15kV, 1Mbps, RS-232, 2 Driver, 2 Receivers Serial Interface IC With Shutdown	20 TSSOP	Pin to Pin
Texas Instruments	SN75C3243DB	SP3243EUCA	3V, 15 kV, 1Mbps RS-232, 3 Drivers, 5 Receivers Serial Interface IC With AUTO ON-LINE®	28 SSOP	Pin to Pin
Texas Instruments	SN75C3243DW	SP3243EUCT	3V, 15 kV, 1Mbps RS-232, 3 Drivers, 5 Receivers Serial Interface IC With AUTO ON-LINE®	28 SOIC	Pin to Pin
Texas Instruments	SN75C3243PW	SP3243EUCY	3V, 15 kV, 1Mbps RS-232, 3 Drivers, 5 Receivers Serial Interface IC With AUTO ON-LINE®	28 TSSOP	Pin to Pin
Texas Instruments	SN75LBC176	SP481	Low Power Half-Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Texas Instruments	SN75LBC176	SP481E	Low Power Half-Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Texas Instruments	SN75LBC176	SP481R	Low Power Half-Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Texas Instruments	SN75LBC176	SP483	Low Power Half-Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Texas Instruments	SN75LBC176	SP483E	Enhanced Low EMI Half-Duplex RS-485 Transceiver	8 NSOIC	Pin to Pin
Texas Instruments	SN75LBC176D	SP485CN	Low Power Half-Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Texas Instruments	SN75LBC241DW	SP241ACT	5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state	28 SOIC	Pin to Pin
Texas Instruments	TL1431CD	SPX1431S	Shunt Regulator	8 SOIC	Pin to Pin
Texas Instruments	TL1431CLP	SPX1431N	Shunt Regulator	3 TO-92	Pin to Pin



Competitor	Comp P/N	Sipex P/N	Description	Package	Cross type
Texas Instruments	TL1431QD	SPX1431S	Shunt Regulator	8 SOIC	Pin to Pin
Texas Instruments	TL1431QLP	SPX1431N	Shunt Regulator	3 TO-92	Pin to Pin
Texas Instruments	TL3695D	SP485ECN	Enhanced Low Power Half Duplex RS-485 Transceivers	8 NSOIC	Pin to Pin
Texas Instruments	TL3695P	SP485ECP	Enhanced Low Power Half Duplex RS-485 Transceivers	8 PDIP	Pin to Pin
Texas Instruments	TL431CLP	SPX431CN	2.5V Shunt Regulator	3 TO-92	Pin to Pin
Texas Instruments	TL431PK	SPX431CM1	2.5V Shunt Regulator	3 SOT-89	Pin to Pin
Texas Instruments	TLV431ACLP	SPX432N	1.2V Shunt Regulator	3 TO-92	Pin to Pin
Texas Instruments	TLV431AILP	SPX432N	1.2V Shunt Regulator	3 TO-92	Pin to Pin
Texas Instruments	TPS3617-50	SP690	Low Power Microprocessor Supervisory with Battery Switch-Over	8 NSOIC	Pin to Pin
Texas Instruments	TPS3617-50	SP692	Low Power Microprocessor Supervisory with Battery Switch-Over	8 NSOIC	Pin to Pin
Texas Instruments	TPS3617-50	SP802	Low Power Microprocessor Supervisory with Battery Switch-Over	8 NSOIC	Pin to Pin
Texas Instruments	TPS3619-50	SP703	Low Power Microprocessor Supervisory with Battery Switch-Over	8 NSOIC	Pin to Pin
Texas Instruments	TPS3619-50	SP704	Low Power Microprocessor Supervisory with Battery Switch-Over	8 NSOIC	Pin to Pin
Texas Instruments	TPS3705-50	SP705	Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Texas Instruments	TPS3705-50	SP706	Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Texas Instruments	TPS3707-50	SP707	Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Texas Instruments	TPS3707-50	SP708	Low Power Microprocessor Supervisory Circuits	8 NSOIC	Pin to Pin
Texas Instruments	TPS40000	SP6123	Low Voltage 8 Pin Synchronous Buck Controller	8 NSOIC	Pin to Pin
Texas Instruments	TPS40000	SP6128A	Low Voltage, Synchronous Buck Controller	14 TSSOP	Closest Existing
Texas Instruments	TPS40001	SP6123	Low Voltage 8 Pin Synchronous Buck Controller	8 NSOIC	Pin to Pin
Texas Instruments	TPS40002	SP6123	Low Voltage 8 Pin Synchronous Buck Controller	8 NSOIC	Pin to Pin
Texas Instruments	TPS40003	SP6123	Low Voltage 8 Pin Synchronous Buck Controller	8 NSOIC	Pin to Pin
Texas Instruments	TPS41000	SP6128	Low Voltage, Synchronous Buck Controller	14 TSSOP	Closest Existing
Texas Instruments	TPS60400	SP6829	3V Low PowerVoltage Inverters	5 SOT-23	Pin to Pin
Texas Instruments	TPS60401	SP6829	3V Low PowerVoltage Inverters	5 SOT-23	Pin to Pin
Texas Instruments	TPS60402	SP6829	3V Low PowerVoltage Inverters	5 SOT-23	Pin to Pin
Texas Instruments	TPS61040	SP6690	Micro Power Boost Regulator Series White LED Driver	5 SOT-23	Closest Existing
Texas Instruments	TPS61040DBV	SP4446EK	High Voltage Boost Converter	5 SOT-23	Pin to Pin
Texas Instruments	TPS61041	SP4446	Micro Power Boost Regulator	5 SOT-23	Closest Existing
Texas Instruments	TPS61041DBV	SP4446EK	High Voltage Boost Converter	5 SOT-23	Pin to Pin
Texas Instruments	TPS62000	SP6651A	High Efficiency 800mA Synchronous Buck Regulator	10 MSOP	Closest Existing
Texas Instruments	TPS62200	SP6655	High Efficiency 400mA Buck Regulator	10 DFN	Closest Existing





# SIPEX Cross Reference

## Older SIPEX PRODUCT CROSS REFERENCE Material

To assist customers in finding  
crosses to obsolete parts.

Originally Released:  
3rd Quarter 1999

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## LEGEND

MANUFACTURER PART NUMBER	SIPEX PART NUMBER	PACKAGE	TEMPERATURE RANGE	COMMENTS
ADM230LJN	SP200CP	20 PDIP	0°C to +70°C	<ul style="list-style-type: none"><li>The SP200xx series is a pin for pin enhanced version of...</li></ul>

*12-Bit Analog-to-Digital Converter, 25  $\mu$ Sec Conversion Time*

AD574AJN	SP574BJP	28 PDIP	0°C to +70°C
AD574AKN	SP574BKP	28 PDIP	0°C to +70°C
AD574AJP	SP574BJL	28 PLCC	0°C to +70°C
AD574AKP	SP574BKL	28 PLCC	0°C to +70°C
AD574ASD	SP574BSQ	28 CDIP	-55°C to +125°C
AD574ATD	SP574BTQ	28 CDIP	-55°C to +125°C
AD574AUD	HS574AU	28 CDIP	-55°C to +125°C
AD574ASD/883B	HS574AS/B	28 CDIP	-55°C to +125°C
AD574ATD/883B	HS574AT/B	28 CDIP	-55°C to +125°C
AD574AUD/883B	HS574AU/B	28 CDIP	-55°C to +125°C

• For package types not listed, please contact factory.

*12-Bit Analog-to-Digital Converter, 15  $\mu$ Sec Conversion Time*

AD674AJD	SP674AJ	28 CDIP	0°C to +70°C
AD674AKD	SP674AK	28 CDIP	0°C to +70°C
AD674BJN	SP674BJP	28 PDIP	0°C to +70°C
AD674BKN	SP674BKP	28 PDIP	0°C to +70°C
AD674BJR	SP674BJS	28 SOIC	0°C to +70°C
AD674BKR	SP674BKS	28 SOIC	0°C to +70°C
AD674BAD	SP674AA	28 CDIP	-40°C to +85°C
AD674BBD	SP674AB	28 CDIP	-40°C to +85°C
AD674ASD	SP674BSQ	28 CDIP	-55°C to +125°C
AD674ATD	SP674BTQ	28 CDIP	-55°C to +125°C
AD674BTD	SP674BTQ	28 CDIP	-55°C to +125°C
AD674AUD	SP674AU	28 CDIP	-55°C to +125°C
AD674ASD/883B	SP674AS/B	28 CDIP	-55°C to +125°C
AD674ATD/883B	SP674AT/B	28 CDIP	-55°C to +125°C
AD674AUD/883B	SP674AU/B	28 CDIP	-55°C to +125°C

*12-Bit Analog-to-Digital Converter, 8  $\mu$ Sec Conversion Time*

AD774BJN	SP774BJP	28 PDIP	0°C to +70°C
AD774BKN	SP774BKP	28 PDIP	0°C to +70°C
AD774BJR	SP774BJS	28 SOIC	0°C to +70°C
AD774BKR	SP774BKS	28 SOIC	0°C to +70°C
AD774BAD	SP774BAQ	28 CDIP	-40°C to +85°C
AD774BBD	SP774BBQ	28 CDIP	-40°C to +85°C
AD774BTD	SP774BTQ	28 CDIP	-55°C to +125°C

*12-Bit Analog-to-Digital Converter, 10  $\mu$ Sec Conversion Time*

AD1674BR	SP1674BBS	28 SOIC	-40°C to +85°C
AD1674BD	SP1674BTQ	28 CDIP	-55°C to +125°C
AD1674JN	SP1674BJP	28 PDIP	0°C to +70°C
AD1674KN	SP1674BKP	28 PDIP	0°C to +70°C
AD1674JR	SP1674BJS	28 SOIC	0°C to +70°C
AD1674KR	SP1674BKS	28 SOIC	0°C to +70°C

*12-Bit Digital-to-Analog Converter, Current Output*

AD7541AJN	HS7541AJN	18 PDIP	0°C to +70°C
AD7541AKN	HS7541AKN	18 PDIP	0°C to +70°C
AD7541AKR	HS7541AKS	18 SOIC	0°C to +70°C
AD7541AJP	HS7541AJP	20 PLCC	0°C to +70°C
AD7541AKP	HS7541AKP	20 PLCC	0°C to +70°C

*12-Bit Digital-to-Analog Converter, Current Output*

AD7545JN	SP7545JCN	28 PDIP	0°C to +70°C
AD7545KN	SP7545KCN	28 PDIP	0°C to +70°C
AD7545JP	SP7545JCL	20 PLCC	0°C to +70°C
AD7545KP	SP7545KCL	20 PLCC	0°C to +70°C

*8-Bit Octal, Digital-to-Analog Converter, Voltage Output*

AD8841FP	SP9841BN	24 PDIP	-40°C to +85°C
AD8841FS	SP9841BS	24 SOIC	-40°C to +85°C

*High Performance 5V RS-232, 2 Drivers, 2 Receivers*

ADM202EAN	SP202EEP	16 PDIP	-40°C to +85°C
	SP232EEP	16 PDIP	-40°C to +85°C
ADM202EARW	SP202EET	16 SOIC	-40°C to +85°C
	SP232EET	16 SOIC	-40°C to +85°C
ADM202EARN	SP202EEN	16 NSOIC	-40°C to +85°C
	SP232EEN	16 NSOIC	-40°C to +85°C

*5V Only RS-232, 2 Drivers, 2 Receivers*

ADM202JN	SP232ACP	16 PDIP	0°C to +70°C
	SP202ECP	16 PDIP	0°C to +70°C
	SP232ECP	16 PDIP	0°C to +70°C
ADM202JRN	SP232ACN	16 NSOIC	0°C to +70°C
	SP202ECN	16 NSOIC	0°C to +70°C
	SP232ECN	16 NSOIC	0°C to +70°C
ADM202JRW	SP232ACT	16 SOIC	0°C to +70°C
	SP202ECT	16 SOIC	0°C to +70°C
	SP232ECT	16 SOIC	0°C to +70°C

• The SP202Exx and the SP232Exx series offer  $\pm 15$ KV ESD protection.

*5V Only RS-232, 2 Drivers, 2 Receivers, No External Capacitors*

ADM203JN	SP233ACP	20 PDIP	0°C to +70°C
	SP233ECP	20 PDIP	0°C to +70°C

• The SP233Exx series offers  $\pm 15$ KV ESD protection.

*5V High Speed RS-232, 5 Drivers, 5 Receivers*

ADM205AN	SP205EP	24 PDIP	-40°C to +85°C
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*5V High Speed RS-232, 4 Drivers, 3 Receivers*

ADM206AN	SP206EP	24 PDIP	-40°C to +85°C
ADM206AR	SP206ET	24 SOIC	-40°C to +85°C
ADM206ARS	SP206EA	24 SSOP	-40°C to +85°C

*5V High Speed RS-232, 5 Drivers, 3 Receivers*

ADM207AN	SP207EP	24 PDIP	-40°C to +85°C
	SP207EEP	24 PDIP	-40°C to +85°C
ADM207AR	SP207ET	24 SOIC	-40°C to +85°C
	SP207EET	24 SOIC	-40°C to +85°C
ADM207ARS	SP207EA	24 SSOP	-40°C to +85°C
	SP207EEA	24 SSOP	-40°C to +85°C

• The SP207Exx series offers  $\pm 15$ KV ESD protection.

*5V High Performance RS-232, 5 Drivers, 3 Receivers*

ADM207EAN	SP207EEP	24 PDIP	-40°C to +85°C
ADM207EAR	SP207EET	24 SOIC	-40°C to +85°C
ADM207EARS	SP207EEA	24 SSOP	-40°C to +85°C

*5V High Speed RS-232, 4 Drivers, 4 Receivers*

ADM208AN	SP208EP	24 PDIP	-40°C to +85°C
	SP208EEP	24 PDIP	-40°C to +85°C
ADM208AR	SP208ET	24 SOIC	-40°C to +85°C
	SP208EET	24 SOIC	-40°C to +85°C
ADM208ARS	SP208EA	24 SSOP	-40°C to +85°C
	SP208EEA	24 SSOP	-40°C to +85°C

• The SP208Exx series offers  $\pm 15$ KV ESD protection.

*5V High Performance RS-232, 4 Drivers, 4 Receivers*

ADM208EAN	SP208ECP	24 PDIP	-40°C to +85°C
ADM208EAR	SP208ECT	24 SOIC	-40°C to +85°C
ADM208EARS	SP208ECA	24 SSOP	-40°C to +85°C

*5V High Speed RS-232, 4 Drivers, 5 Receivers*

ADM211AR	SP211ET	28 SOIC	-40°C to +85°C
	SP211EET	28 SOIC	-40°C to +85°C
ADM211ARS	SP211EA	28 SSOP	-40°C to +85°C
	SP211EEA	28 SSOP	-40°C to +85°C

• The SP211Exx series offers  $\pm 15$ KV ESD protection.

*5V High Speed RS-232, 4 Drivers, 5 Receivers*

ADM211EAR	SP211EET	28 SOIC	-40°C to +85°C
ADM211EARS	SP211EEA	28 SSOP	-40°C to +85°C

*5V High Speed RS-232, 4 Drivers, 5 Receivers*

ADM213AR	SP213ET	28 SOIC	-40°C to +85°C
	SP213EET	28 SOIC	-40°C to +85°C
ADM213ARS	SP213EA	28 SSOP	-40°C to +85°C
	SP213EEA	28 SSOP	-40°C to +85°C

• The SP213Exx series offers  $\pm 15$ KV ESD protection.

*Enhanced RS-232 Line Drivers/Receivers*

ADM222AN	SP310AEP	18 PDIP	-40°C to +85°C
	SP310EEP	18 PDIP	-40°C to +85°C
ADM222AR	SP310AET	18 SOIC	-40°C to +85°C
	SP310EET	18 SOIC	-40°C to +85°C

• The SP310Exx series offers  $\pm 15$ KV ESD protection.

*5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state, Wake-up (2 receivers)*

ADM223JRS	SP213CA	28 SSOP	0°C to +70°C
ADM223JR	SP213CT	28 SOIC	0°C to +70°C
ADM223ARS	SP213EA	28 SSOP	-40°C to +85°C
ADM223AR	SP213ET	28 SOIC	-40°C to +85°C

*5V Only RS-232, 5 Drivers, 0 Receivers, Shutdown*

ADM230LJN	SP230ACP	20 PDIP	0°C to +70°C
	SP200CP	20 PDIP	0°C to +70°C
ADM230LJR	SP230ACT	20 SOIC	0°C to +70°C
	SP200CT	20 SOIC	0°C to +70°C
ADM230LAN	SP230AEP	20 PDIP	-40°C to +85°C
	SP200EP	20 PDIP	-40°C to +85°C
ADM230LAR	SP230AET	20 SOIC	-40°C to +85°C
	SP200ET	20 SOIC	-40°C to +85°C

• The SP200xx series is a pin for pin enhanced version of the SP230Axx series; enhancements offer  $\pm 10$ KV ESD protection, the use of 0.1 $\mu$ F charge pump capacitors, and higher data rates of at least 120Kbps.

*5V and 12V RS-232, 2 Drivers, 2 Receivers*

ADM231LJN	SP231ACP	14 PDIP	0°C to +70°C
ADM231LJR	SP231ACT	16 SOIC	0°C to +70°C
ADM231LAN	SP231AEP	14 PDIP	-40°C to +85°C
ADM231LAR	SP231AET	16 SOIC	-40°C to +85°C

*Enhanced RS-232 Line Drivers/Receivers*

ADM232AAN	SP232AEP	16 PDIP	-40°C to +85°C
	SP202EEP	16 PDIP	-40°C to +85°C
	SP232EEP	16 PDIP	-40°C to +85°C
ADM232AARN	SP232AEN	16 NSOIC	-40°C to +85°C
	SP202EEN	16 NSOIC	-40°C to +85°C
	SP232EEN	16 NSOIC	-40°C to +85°C
ADM232AARW	SP232AET	16 SOIC	-40°C to +85°C
	SP202EET	16 SOIC	-40°C to +85°C
	SP232EET	16 SOIC	-40°C to +85°C

• The SP202Exx and the SP232Exx series offer  $\pm 15$ KV ESD protection.

*5V Only RS-232, 2 Drivers, 2 Receivers*

ADM232LJN	SP232ACP	16 PDIP	0°C to +70°C
	SP232ECP	16 PDIP	0°C to +70°C
ADM232LJR	SP232ACT	16 SOIC	0°C to +70°C
	SP232ECT	16 SOIC	0°C to +70°C
ADM232LAN	SP232AEP	16 PDIP	-40°C to +85°C
	SP232EEP	16 PDIP	-40°C to +85°C
ADM232LAR	SP232AET	16 SOIC	-40°C to +85°C
	SP232EET	16 SOIC	-40°C to +85°C

• The SP232Exx series offers  $\pm 15$ KV ESD protection.

*5V Only RS-232, 2 Drivers, 2 Receivers, No External Capacitors*

ADM233LJN	SP233ACP	20 PDIP	0°C to +70°C
	SP233ECP	20 PDIP	0°C to +70°C
ADM233LAN	SP233AEP	20 PDIP	-40°C to +85°C
	SP233EEP	20 PDIP	-40°C to +85°C

• The SP233Exx series offers  $\pm 15$ KV ESD protection.

*5V Only RS-232, 4 Drivers, 0 Receivers*

ADM234LJN	SP234ACP	16 PDIP	0°C to +70°C
	SP204CP	16 PDIP	0°C to +70°C
ADM234LJR	SP234ACT	16 SOIC	0°C to +70°C
	SP204CT	16 SOIC	0°C to +70°C
ADM234LAN	SP234AEP	16 PDIP	-40°C to +85°C
	SP204EP	16 PDIP	-40°C to +85°C
ADM234LAR	SP234AET	16 SOIC	-40°C to +85°C
	SP204ET	16 SOIC	-40°C to +85°C

• The SP204xx series is a pin for pin enhanced version of the SP234Axx series: enhancements offer  $\pm 10$ KV ESD protection, the use of 0.1 $\mu$ F charge pump capacitors, and higher data rates of at least 120Kbps.

*5V Only RS-232, 5 Drivers, 5 Receivers, Shutdown, Tri-State, No External Capacitors*

ADM235LJN	SP235ACP	24 Wide PDIP	0°C to +70°C
	SP205CP	24 Wide PDIP	0°C to +70°C
ADM235LAN	SP235AEP	24 Wide PDIP	-40°C to +85°C
	SP205EP	24 Wide PDIP	-40°C to +85°C

• The SP205xx series is a pin for pin enhanced version of the SP235Axx series: enhancements offer  $\pm 10$ KV ESD protection, the use of 0.1 $\mu$ F charge pump capacitors, and higher data rates of at least 120Kbps.

*5V Only RS-232, 4 Drivers, 3 Receivers, Shutdown, Tri-State*

ADM236LJN	SP236ACS	24 PDIP	0°C to +70°C
	SP206CP	24 PDIP	0°C to +70°C
ADM236LJR	SP236ACT	24 SOIC	0°C to +70°C
	SP206CT	24 SOIC	0°C to +70°C
ADM236LAN	SP236AES	24 PDIP	-40°C to +85°C
	SP206EP	24 PDIP	-40°C to +85°C
ADM236LAR	SP236AET	24 SOIC	-40°C to +85°C
	SP206ET	24 SOIC	-40°C to +85°C

• The SP206xx series is a pin for pin enhanced version of the SP236Axx series: enhancements offer  $\pm 10$ KV ESD protection, the use of 0.1 $\mu$ F charge pump capacitors, and higher data rates of at least 120Kbps.

*5V Only RS-232, 5 Drivers, 3 Receivers*

ADM237LJN	SP237ACS	24 PDIP	0°C to +70°C
	SP207CP	24 PDIP	0°C to +70°C
	SP207HCP	24 PDIP	0°C to +70°C
	SP207ECP	24 PDIP	0°C to +70°C
ADM237LJR	SP237ACT	24 SOIC	0°C to +70°C
	SP207CT	24 SOIC	0°C to +70°C
	SP207HCT	24 SOIC	0°C to +70°C
	SP207ECT	24 SOIC	0°C to +70°C
ADM237LAN	SP237AES	24 PDIP	-40°C to +85°C
	SP207EP	24 PDIP	-40°C to +85°C
	SP207HEP	24 PDIP	-40°C to +85°C
	SP207EEP	24 PDIP	-40°C to +85°C
ADM237LAR	SP237AET	24 SOIC	-40°C to +85°C
	SP207ET	24 SOIC	-40°C to +85°C
	SP207HET	24 SOIC	-40°C to +85°C
	SP207EET	24 SOIC	-40°C to +85°C

- The SP207xx and the SP207Hxx series are pin for pin enhanced versions of the SP237Axx series: enhancements offer  $\pm 10$ KV ESD protection and the use of 0.1 $\mu$ F charge pump capacitors.
- The SP207xx and the SP207Exx series have higher data rates of at least 120Kbps.
- The SP207Hxx series has higher data rates of at least 400Kbps.
- The SP207Exx series offers  $\pm 15$ KV ESD protection.

*5V Only RS-232, 4 Drivers, 4 Receivers*

ADM238LJN	SP238ACS	24 PDIP	0°C to +70°C
	SP208CP	24 PDIP	0°C to +70°C
	SP208ECP	24 PDIP	0°C to +70°C
ADM238LJR	SP238ACT	24 SOIC	0°C to +70°C
	SP208CT	24 SOIC	0°C to +70°C
	SP208ECT	24 SOIC	0°C to +70°C
ADM238LAN	SP238AES	24 PDIP	-40°C to +85°C
	SP208ES	24 PDIP	-40°C to +85°C
	SP208EEP	24 PDIP	-40°C to +85°C
ADM238LAR	SP238AET	24 SOIC	-40°C to +85°C
	SP208ET	24 SOIC	-40°C to +85°C
	SP208EET	24 SOIC	-40°C to +85°C

- The SP208xx series is a pin for pin enhanced version of the SP238Axx series: enhancements offer  $\pm 10$ KV ESD protection, the use of 0.1 $\mu$ F charge pump capacitors, and higher data rates of at least 120Kbps.
- The SP208Exx series offers  $\pm 15$ KV ESD protection.

*5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state*

ADM241LJRS	SP241ACA	28 SSOP	0°C to +70°C
	SP211CA	28 SSOP	0°C to +70°C
	SP211HCA	28 SSOP	0°C to +70°C
	SP211ECA	28 SSOP	0°C to +70°C
ADM241LJR	SP241ACT	28 SOIC	0°C to +70°C
	SP211CT	28 SOIC	0°C to +70°C
	SP211HCT	28 SOIC	0°C to +70°C
	SP211ECT	28 SOIC	0°C to +70°C
ADM241LARS	SP241AEA	28 SSOP	-40°C to +85°C
	SP211EA	28 SSOP	-40°C to +85°C
	SP211HEA	28 SSOP	-40°C to +85°C
	SP211EEA	28 SSOP	-40°C to +85°C
ADM241LAR	SP241AET	28 SOIC	-40°C to +85°C
	SP211ET	28 SOIC	-40°C to +85°C
	SP211HET	28 SOIC	-40°C to +85°C
	SP211EET	28 SOIC	-40°C to +85°C

- The SP211xx and the SP211Hxx series are pin for pin enhanced versions of the SP241Axx series: enhancements offer  $\pm 10$ KV ESD protection and the use of 0.1 $\mu$ F charge pump capacitors.
- The SP211xx and the SP211Exx series have higher data rates of at least 120Kbps.
- The SP211Hxx series has higher data rates of at least 400Kbps.
- The SP211Exx series offers  $\pm 15$ KV ESD protection.

*5V Only RS-232, 2 Drivers, 2 Receivers, Shutdown, Tri-state*

ADM242JN	SP312ACP	18 PDIP	0°C to +70°C
	SP312ECP	18 PDIP	0°C to +70°C
ADM242JR	SP312ACT	18 SOIC	0°C to +70°C
	SP312ECT	18 SOIC	0°C to +70°C
ADM242AN	SP312AEP	18 PDIP	-40°C to +85°C
	SP312EEP	18 PDIP	-40°C to +85°C
ADM242AR	SP312AET	18 SOIC	-40°C to +85°C
	SP312EET	18 SOIC	-40°C to +85°C

- The SP312Exx series offers  $\pm 15$ KV ESD protection.

*Half Duplex RS-485 Transceiver, 5Mbps*

ADM485AN	SP485ES	8 PDIP	-40°C to +85°C
	SP485EEP	8 PDIP	-40°C to +85°C
ADM485AR	SP485EN	8 NSOIC	-40°C to +85°C
	SP485EEN	8 NSOIC	-40°C to +85°C
ADM485JN	SP485CS	8 PDIP	0°C to +70°C
	SP485ECP	8 PDIP	0°C to +70°C
ADM485JR	SP485CN	8 NSOIC	0°C to +70°C
	SP485ECN	8 NSOIC	0°C to +70°C

• The SP485Exx series offers  $\pm 15$ KV ESD protection.

*3V Charge Pump Converters, Inverting or Doubling*

ADM660AN	SP666OEP	8 PDIP	-40°C to +85°C
ADM660AR	SP666OEN	8 NSOIC	-40°C to +85°C

*5V Microprocessor Supervisory Circuit*

ADM690AAN	SP690AEP	8 PDIP	-40°C to +85°C
ADM690AARN	SP690AEN	8 NSOIC	-40°C to +85°C
ADM690AN	SP690AEP	8 PDIP	-40°C to +85°C
ADM690ARN	SP690AEN	8 NSOIC	-40°C to +85°C

*5V Microprocessor Supervisory Circuit*

ADM692AAN	SP692AEP	8 PDIP	-40°C to +85°C
ADM692AARN	SP692AEN	8 NSOIC	-40°C to +85°C
ADM692AN	SP692AEP	8 PDIP	-40°C to +85°C
ADM692ARN	SP692AEN	8 NSOIC	-40°C to +85°C

*5V Microprocessor Supervisory Circuit*

ADM694AN	SP690AEP	8 PDIP	-40°C to +85°C
ADM694ARN	SP690AEN	8 NSOIC	-40°C to +85°C

*5V, Microprocessor Supervisory Circuit*

ADM705AN	SP705EP	8 PDIP	-40°C to +85°C
ADM705AR	SP705EN	8 NSOIC	-40°C to +85°C

*5V, Microprocessor Supervisory Circuit*

ADM706AN	SP706EP	8 PDIP	-40°C to +85°C
ADM706AR	SP706EN	8 NSOIC	-40°C to +85°C

*5V, Microprocessor Supervisory Circuit*

ADM707AN	SP707EP	8 PDIP	-40°C to +85°C
ADM707AR	SP707EN	8 NSOIC	-40°C to +85°C
ADM707ARM	SP707EU	8 $\mu$ SOIC	-40°C to +85°C

*5V, Microprocessor Supervisory Circuit*

ADM708AN	SP708EP	8 PDIP	-40°C to +85°C
ADM708AR	SP708CN	8 NSOIC	-40°C to +85°C
ADM708ARM	SP708EU	8 $\mu$ SOIC	-40°C to +85°C

*5V Microprocessor Supervisory Circuit*

ADM802LAN	SP802LEP	8 PDIP	-40°C to +85°C
ADM802LARN	SP802LEN	8 NSOIC	-40°C to +85°C
ADM802MAN	SP802MEP	8 PDIP	-40°C to +85°C
ADM802MARN	SP802MEN	8 NSOIC	-40°C to +85°C

*5V Microprocessor Supervisory Circuit*

ADM805LAN	SP805LEP	8 PDIP	-40°C to +85°C
ADM805LARN	SP805LEN	8 NSOIC	-40°C to +85°C
ADM805MAN	SP805MEP	8 PDIP	-40°C to +85°C
ADM805MARN	SP805MEN	8 NSOIC	-40°C to +85°C

*High Performance RS-232 Line Driver/Receivers*

ADM1181AAN	SP202EEP	16 PDIP	-40°C to +85°C
	SP232EEP	16 PDIP	-40°C to +85°C
ADM1181AARW	SP202EET	16 SOIC	-40°C to +85°C
	SP232EET	16 SOIC	-40°C to +85°C

*True 3.0V to 5.0V RS-232, 2 Drivers, 2 Receivers*

ADM3202AN	SP3232EEP	16 PDIP	-40°C to +85°C
ADM3202ARU	SP3232EEY	16 TSSOP	-40°C to +85°C
ADM3202ARW	SP3232EET	16 SOIC	-40°C to +85°C

• The SP3232Exx series offers  $\pm 15$ KV ESD protection.

*True 3.0V to 5.0V RS-232, 2 Drivers, 2 Receivers*

ADM3222AN	SP3222EEP	18 PDIP	-40°C to +85°C
ADM3222ARS	SP3222EEA	20 SSOP	-40°C to +85°C
ADM3222ARU	SP3222EEY	20 TSSOP	-40°C to +85°C
ADM3222ARW	SP3222EET	18 SOIC	-40°C to +85°C

• The SP3222Exx series offers  $\pm 15$ KV ESD protection.

*5V Microprocessor Supervisory Circuit*

ADM8690AN	SP690AEP	8 PDIP	-40°C to +85°C
ADM8690ARN	SP690AEN	8 NSOIC	-40°C to +85°C

*5V Microprocessor Supervisory Circuit*

ADM8692AN	SP692AEP	8 PDIP	-40°C to +85°C
ADM8692ARN	SP692AEN	8 NSOIC	-40°C to +85°C

*5V Microprocessor Supervisory Circuit*

ADM8694AN	SP690AEP	8 PDIP	-40°C to +85°C
ADM8694ARN	SP690AEN	8 NSOIC	-40°C to +85°C

*12-Bit Analog-to-Digital Converter, 25  $\mu$ Sec Conversion Time*

ADC574AJP	SP574BJP	28 PDIP	0°C to +70°C
ADC574AKP	SP574BKP	28 PDIP	0°C to +70°C
ADC574AJH	HS574AJ	28 CDIP	0°C to +70°C
ADC574AKH	HS574AK	28 CDIP	0°C to +70°C
ADC574ASH	HS574AS/B	28 CDIP	-55°C to +125°C
ADC574ATH	HS574AT/B	28 CDIP	-55°C to +125°C

• For package types not listed, please contact factory.

*12-Bit Analog-to-Digital Converter, 15  $\mu$ Sec Conversion Time*

ADC674AJP	SP674BJP	28 PDIP	0°C to +70°C
ADC674AKP	SP674BKP	28 PDIP	0°C to +70°C
ADC674AJH	SP674AJ	28 CDIP	0°C to +70°C
ADC674AKH	SP674AK	28 CDIP	0°C to +70°C
ADC674ASH	SP674AS/B	28 CDIP	-55°C to +125°C
ADC674ATH	SP674AT/B	28 CDIP	-55°C to +125°C

*12-Bit Analog-to-Digital Converter, 8  $\mu$ Sec Conversion Time*

ADC774JP	SP774BJP	28 PDIP	0°C to +70°C
ADC774KP	SP774BKP	28 PDIP	0°C to +70°C
ADC774SH	SP774BSQ	28 CDIP	-55°C to +125°C
ADC774TH	SP774BTQ	28 CDIP	-55°C to +125°C

*12-Bit Analog-to-Digital Converter, 25  $\mu$ Sec Conversion Time*

ADS574JE	SP574BJN	28 PDIP	0°C to +70°C
ADS574KE	SP574BKN	28 PDIP	0°C to +70°C
ADS574JP	SP574BJP	28 PDIP	0°C to +70°C
ADS574KP	SP574BKP	28 PDIP	0°C to +70°C
ADS574JU	SP574BJS	28 SOIC	0°C to +70°C
ADS574KU	SP574BKS	28 SOIC	0°C to +70°C
ADS574JH	HS574AJ	28 CDIP	0°C to +70°C
ADS574KH	HS574AK	28 CDIP	0°C to +70°C
ADS574SH	SP574BSQ	28 CDIP	-55°C to +125°C
ADS574TH	SP574BTQ	28 CDIP	-55°C to +125°C

• The SP574xx series requires a +5V and +15V supply. For package types not listed, please consult factory.

*12-Bit Analog-to-Digital Converter, 8  $\mu$ Sec Conversion Time*

ADS774JE	SP774BJN	28 PDIP	0°C to +70°C
ADS774KE	SP774BKN	28 PDIP	0°C to +70°C
ADS774JP	SP774BJP	28 PDIP	0°C to +70°C
ADS774KP	SP774BKP	28 PDIP	0°C to +70°C
ADS774JU	SP774BJS	28 SOIC	0°C to +70°C
ADS774KU	SP774BKS	28 SOIC	0°C to +70°C

• The SP774xx series requires a +5V and +15V supply.

*Micropower Sampling 12-Bit Analog-to-Digital Converter*

ADS1286P	SP8528JN	8 PDIP	0°C to +70°C
ADS1286PK	SP8528KN	8 PDIP	0°C to +70°C
ADS1286PL	SP8528KN	8 PDIP	0°C to +70°C
ADS1286JU	SP8528JS	8 SOIC	0°C to +70°C
ADS1286JK	SP8528KS	8 SOIC	0°C to +70°C
ADS1286JL	SP8528KS	8 SOIC	0°C to +70°C
ADS1286PA	SP8528AN	8 PDIP	-40°C to +85°C
ADS1286PB	SP8528BN	8 PDIP	-40°C to +85°C
ADS1286PC	SP8528BN	8 PDIP	-40°C to +85°C
ADS1286UA	SP8528AS	8 SOIC	-40°C to +85°C
ADS1286UB	SP8528BS	8 SOIC	-40°C to +85°C
ADS1286UC	SP8528BS	8 SOIC	-40°C to +85°C

• The SP8528Kx and the SP8528Bx products have improved INL of  $\pm 1.0$ LSB.

*12-Bit Analog-to-Digital Converter, 3  $\mu$ Sec Conversion Time, Single Supply*

ADS7800JP	SP7800AJP	24 PDIP	0°C to +70°C
ADS7800KP	SP7800AKP	24 PDIP	0°C to +70°C
ADS7800JU	SP7800AJS	24 SOIC	0°C to +70°C

*12-Bit Digital-to-Analog Converter, Current Output*

DAC7541AJP	HS7541AJN	18 PDIP	0°C to +70°C
DAC7541AKP	HS7541AKN	18 PDIP	0°C to +70°C
DAC7541AJU	HS7541AJS	18 SOIC	0°C to +70°C
DAC7541AKU	HS7541AKS	18 SOIC	0°C to +70°C
DAC7545JP	SP7545JCN	20 PDIP	0°C to +70°C
DAC7545KP	SP7545KCN	20 PDIP	0°C to +70°C

*5V, Microprocessor Supervisory Circuit*

DS1705EPA	SP705EP	8 PDIP	-40°C to +85°C
DS1705ESA	SP705EN	8 NSOIC	-40°C to +85°C
DS1705EUA	SP705EU	8 MSOP	-40°C to +85°C

*5V, Microprocessor Supervisory Circuit*

DS1706EPA	SP706EP	8 PDIP	-40°C to +85°C
DS1706ESA	SP706EN	8 NSOIC	-40°C to +85°C
DS1706EUA	SP706EU	8 MSOP	-40°C to +85°C

*5V, Microprocessor Supervisory Circuit*

DS1707EPA	SP707EP	8 PDIP	-40°C to +85°C
DS1707ESA	SP707EN	8 NSOIC	-40°C to +85°C
DS1707EUA	SP707EU	8 MSOP	-40°C to +85°C

*5V, Microprocessor Supervisory Circuit*

DS1708EPA	SP708EP	8 PDIP	-40°C to +85°C
DS1708ESA	SP708EN	8 NSOIC	-40°C to +85°C
DS1708EUA	SP708EU	8 MSOP	-40°C to +85°C

*5V, Microprocessor Supervisory Circuit*

DS1706LEPA	SP813LEP	8 PDIP	-40°C to +85°C
DS1706LESA	SP813LEN	8 NSOIC	-40°C to +85°C
DS1706LEUA	SP813LEU	8 MSOP	-40°C to +85°C

*12-Bit Analog-to-Digital Converter, 25  $\mu$ Sec Conversion Time*

MP574AJN	SP574BJP	28 PDIP	0°C to +70°C
MP574AKN	SP574BKP	28 PDIP	0°C to +70°C
MP574AJS	SP574BJS	28 SOIC	0°C to +70°C
MP574AKS	SP574BKS	28 SOIC	0°C to +70°C
MP574AJP	SP574BJL	28 PLCC	0°C to +70°C
MP574AKP	SP574BKL	28 PLCC	0°C to +70°C
MP574ASD	HS574AS/B	28 CDIP	-55°C to +125°C
MP574ATD	HS574AT/B	28 CDIP	-55°C to +125°C
MP574AUD	HS574AU/B	28 CDIP	-55°C to +125°C

*12-Bit Analog-to-Digital Converter, 15  $\mu$ Sec Conversion Time*

MP674JN	SP674BJP	28 PDIP	0°C to +70°C
MP674KN	SP674BKP	28 PDIP	0°C to +70°C
MP674JS	SP674BJS	28 SOIC	0°C to +70°C
MP674KS	SP674BKS	28 SOIC	0°C to +70°C
MP674JP	SP674BJL	28 PLCC	0°C to +70°C
MP674KP	SP674BKL	28 PLCC	0°C to +70°C

*12-Bit Analog-to-Digital Converter, 8  $\mu$ Sec Conversion Time*

MP774JN	SP774BJP	28 PDIP	0°C to +70°C
MP774KN	SP774BKP	28 PDIP	0°C to +70°C
MP774JS	SP774BJS	28 SOIC	0°C to +70°C
MP774KS	SP774BKS	28 SOIC	0°C to +70°C
MP774JP	SP774BJL	28 PLCC	0°C to +70°C
MP774KP	SP774BKL	28 PLCC	0°C to +70°C

*12-Bit Digital-to-Analog Converter, Current Output*

MP7541AJN	HS7541AAN	18 PDIP	-40°C to +85°C
MP7541AKN	HS7541ABN	18 PDIP	-40°C to +85°C
MP7541AJS	HS7541AAS	18 SOIC	-40°C to +85°C
MP7541AKS	HS7541ABS	18 SOIC	-40°C to +85°C

*12-Bit Digital-to-Analog Converter, Current Output*

MP7545JN	SP7545JIN	20 PDIP	-40°C to +85°C
MP7545KN	SP7545KIN	20 PDIP	-40°C to +85°C
MP7545JP	SP7545JIL	20 PLCC	-40°C to +85°C
MP7545KP	SP7545KIL	20 PLCC	-40°C to +85°C

*12-Bit Digital-to-Analog Converter, Current Output*

AD7541JN	HS7541AJN	18 PDIP	0°C to +70°C
AD7541KN	HS7541AKN	18 PDIP	0°C to +70°C

*12-Bit Digital-to-Analog Converter, Current Output*

AD7545JN	SP7545JCN	20 PDIP	0°C to +70°C
AD7545KN	SP7545KCN	20 PDIP	0°C to +70°C

*5V Only RS-232, 5 Drivers, 0 Receivers, Shutdown*

HIN230CB	SP230ACT	20 SOIC	0°C to +70°C
	SP200CT	20 SOIC	0°C to +70°C
HIN230IB	SP230AET	20 SOIC	-40°C to +85°C
	SP200ET	20 SOIC	-40°C to +85°C

• The SP200xx series is a pin for pin enhanced version of the SP230Axx series: enhancements offer ±10KV ESD protection, the use of 0.1µF charge pump capacitors, and higher data rates of at least 120Kbps.

*5V and 12V RS-232, 2 Drivers, 2 Receivers*

HIN231CB	SP231ACT	16 SOIC	0°C to +70°C
HIN231IB	SP231AET	16 SOIC	-40°C to +85°

*5V Only RS-232, 2 Drivers, 2 Receivers*

HIN232CP	SP232ACP	16 PDIP	0°C to +70°C
HIN232CB	SP232ACT	16 SOIC	0°C to +70°C
HIN232IP	SP232AEP	16 PDIP	-40°C to +85°C
HIN232IB	SP232AET	16 SOIC	-40°C to +85°C

*5V Only RS-232, 4 Drivers, 0 Receivers*

HIN234CB	SP234ACT	16 SOIC	0°C to +70°C
	SP204CT	16 SOIC	0°C to +70°C
HIN234IB	SP234AET	16 SOIC	-40°C to +85°C
	SP204ET	16 SOIC	-40°C to +85°C

• The SP204xx series is a pin for pin enhanced version of the SP234Axx series: enhancements offer ±10KV ESD protection, the use of 0.1µF charge pump capacitors, and higher data rates of at least 120Kbps.

*5V Only RS-232, 4 Drivers, 3 Receivers, Shutdown, Tri-state*

HIN236CP	SP236ACS	24 PDIP	0°C to +70°C
	SP206CP	24 PDIP	0°C to +70°C
HIN236CB	SP236ACT	24 SOIC	0°C to +70°C
	SP206CT	24 SOIC	0°C to +70°C
HIN236IP	SP236AES	24 PDIP	-40°C to +85°C
	SP206EP	24 PDIP	-40°C to +85°C
HIN236IB	SP236AET	24 SOIC	-40°C to +85°C
	SP206ET	24 SOIC	-40°C to +85°C

• The SP206xx series is a pin for pin enhanced version of the SP236Axx series: enhancements offer  $\pm 10$ KV ESD protection, the use of 0.1 $\mu$ F charge pump capacitors, and higher data rates of at least 120Kbps.

*5V Only RS-232, 5 Drivers, 3 Receivers*

HIN237CP	SP237ACS	24 PDIP	0°C to +70°C
	SP207CP	24 PDIP	0°C to +70°C
	SP207HCP	24 PDIP	0°C to +70°C
	SP207ECP	24 PDIP	0°C to +70°C
HIN237CB	SP237ACT	24 SOIC	0°C to +70°C
	SP207CT	24 SOIC	0°C to +70°C
	SP207HCT	24 SOIC	0°C to +70°C
	SP207ECT	24 SOIC	0°C to +70°C
HIN237IP	SP237AES	24 PDIP	-40°C to +85°C
	SP207EP	24 PDIP	-40°C to +85°C
	SP207HEP	24 PDIP	-40°C to +85°C
	SP207EEP	24 PDIP	-40°C to +85°C
HIN237IB	SP237AET	24 SOIC	-40°C to +85°C
	SP207ET	24 SOIC	-40°C to +85°C
	SP207HET	24 SOIC	-40°C to +85°C
	SP207EET	24 SOIC	-40°C to +85°C

• The SP207xx and the SP207Hxx series are pin for pin enhanced versions of the SP237Axx series: enhancements offer  $\pm 10$ KV ESD protection and the use of 0.1 $\mu$ F charge pump capacitors.  
 • The SP207xx series has higher data rates of at least 120Kbps.  
 • The SP207Hxx series has higher data rates of at least 400Kbps.  
 • The SP207Exx series offers  $\pm 15$ KV ESD protection.

5V Only RS-232, 4 Drivers, 4 Receivers

HIN238CP	SP238ACS	24 PDIP	0°C to +70°C
	SP208CP	24 PDIP	0°C to +70°C
	SP208ECP	24 PDIP	0°C to +70°C
HIN238CB	SP238ACT	24 SOIC	0°C to +70°C
	SP208CT	24 SOIC	0°C to +70°C
	SP208ECT	24 SOIC	0°C to +70°C
HIN238IP	SP238AES	24 PDIP	-40°C to +85°C
	SP208EP	24 PDIP	-40°C to +85°C
	SP208EEP	24 PDIP	-40°C to +85°C
HIN238IB	SP238AET	24 SOIC	-40°C to +85°C
	SP208ET	24 SOIC	-40°C to +85°C
	SP208EET	24 SOIC	-40°C to +85°C

- The SP208xx series is a pin for pin enhanced version of the SP238Axx series: enhancements offer  $\pm 10$ KV ESD protection, the use of 0.1 $\mu$ F charge pump capacitors, and higher data rates of at least 120Kbps.
- The SP207Exx series offers  $\pm 15$ KV ESD protection.

5V Only RS-232, 5 Drivers, 5 Receivers, Shutdown, Tri-state

HIN240CN	SP240ACF	44 QFP	0°C to +70°C
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5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state

HIN241CA	SP241ACA	28 SSOP	0°C to +70°C
	SP211CA	28 SSOP	0°C to +70°C
	SP211HCA	28 SSOP	0°C to +70°C
	SP211ECA	28 SSOP	0°C to +70°C
HIN241CB	SP241ACT	28 SOIC	0°C to +70°C
	SP211CT	28 SOIC	0°C to +70°C
	SP211HCT	28 SOIC	0°C to +70°C
	SP211ECT	28 SOIC	0°C to +70°C
HIN241IA	SP241AEA	28 SSOP	-40°C to +85°C
	SP211EA	28 SSOP	-40°C to +85°C
	SP211HEA	28 SSOP	-40°C to +85°C
	SP211EEA	28 SSOP	-40°C to +85°C
HIN241IB	SP241AET	28 SOIC	-40°C to +85°C
	SP211ET	28 SOIC	-40°C to +85°C
	SP211HET	28 SOIC	-40°C to +85°C
	SP211EET	28 SOIC	-40°C to +85°C

- The SP211xx and the SP211Hxx series are pin for pin enhanced versions of the SP241Axx series: enhancements offer  $\pm 10$ KV ESD protection and the use of 0.1 $\mu$ F charge pump capacitors.
- The SP211xx and the SP211Exx series has higher data rates of at least 120Kbps.
- The SP211Hxx series has higher data rates of at least 400Kbps. • The SP211Exx series offers  $\pm 15$ KV ESD protection.

*12-Bit Analog-to-Digital Converter, 25  $\mu$ Sec Conversion Time*

HI1-574AJD-5	HS574AJ	28 CDIP	0°C to +70°C
HI1-574AKD-5	HS574AK	28 CDIP	0°C to +70°C
HI1-574ASD-2	HS574AS	28 CDIP	-55°C to +125°C
HI1-574ATD-2	HS574AT	28 CDIP	-55°C to +125°C
HI1-574AUD-2	HS574AU	28 CDIP	-55°C to +125°C

*12-Bit Analog-to-Digital Converter, 15  $\mu$ Sec Conversion Time*

HI1-674AJD-5	SP674AJ	28 CDIP	0°C to +70°C
HI1-674AKD-5	SP674AK	28 CDIP	0°C to +70°C
HI1-674ASD-2	SP674AS	28 CDIP	-55°C to +125°C
HI1-674ATD-2	SP674AT	28 CDIP	-55°C to +125°C
HI1-674AUD-2	SP674AU	28 CDIP	-55°C to +125°C

*12-Bit Analog-to-Digital Converter, 8  $\mu$ Sec Conversion Time*

HI1-774AJD-5	SP774BJQ	28 CDIP	0°C to +70°C
HI1-774AKD-5	SP774BKQ	28 CDIP	0°C to +70°C
HI1-774ASD-2	SP774BSQ	28 CDIP	-55°C to +125°C
HI1-774ATD-2	SP774BTQ	28 CDIP	-55°C to +125°C

*12-Bit Analog-to-Digital Converter, 25  $\mu$ Sec Conversion Time*

HI3-574AJN-5	SP574BJP	28 PDIP	0°C to +70°C
HI3-574AKN-5	SP574BKP	28 PDIP	0°C to +70°C

*12-Bit Analog-to-Digital Converter, 15  $\mu$ Sec Conversion Time*

HI3-674AJN-5	SP674BJP	28 PDIP	0°C to +70°C
HI3-674AKN-5	SP674BKP	28 PDIP	0°C to +70°C

*12-Bit Analog-to-Digital Converter, 8  $\mu$ Sec Conversion Time*

HI3-774AJN-5	SP774BJP	28 PDIP	0°C to +70°C
HI3-774AKN-5	SP774BKP	28 PDIP	0°C to +70°C

*12-Bit Analog-to-Digital Converter, 25  $\mu$ Sec Conversation Time*

LT574AJNW	SP574BJP	28 PDIP	0°C to +70°C
LT574AKNW	SP574BKP	28 PDIP	0°C to +70°C

- The SP574xx series requires a +5V and +15V supply.

*Half Duplex RS-485 Transceiver*

LTC485CS8	SP485CN	8 NSOIC	0°C to +70°C
	SP485ECN	8 NSOIC	0°C to +70°C
LTC485CN8	SP485CS	8 PDIP	0°C to +70°C
	SP485ECP	8 PDIP	0°C to +70°C
LTC485IS8	SP485EN	8 NSOIC	-40°C to +85°C
	SP485EEN	8 NSOIC	-40°C to +85°C
LTC485IN8	SP485ES	8 PDIP	-40°C to +85°C
	SP485EEP	8 PDIP	-40°C to +85°C

- The SP485Exx series requires a  $\pm$ 15KV ESD protection.

*Quad RS-485 Drivers, Common Enable*

LTC486CN	SP486CS	16 PDIP	0°C to +70°C
LTC486CS	SP486CT	16 SOIC	0°C to +70°C

*Quad RS-485 Drivers, Dual Enable*

LTC487CN	SP487CS	16 PDIP	0°C to +70°C
LTC487CS	SP487CT	16 SOIC	0°C to +70°C

*Quad RS-485 Receivers, Common Enable*

LTC488CN	SP488CS	16 PDIP	0°C to +70°C
LTC488CS	SP488CT	16 SOIC	0°C to +70°C
LTC488IN	SP488ES	16 PDIP	-40°C to +85°C
LTC488IS	SP488ET	16 SOIC	-40°C to +85°C

*Quad RS-485 Receivers, Dual Enable*

LTC489CN	SP489CS	16 PDIP	0°C to +70°C
LTC489CS	SP489CT	16 SOIC	0°C to +70°C
LTC489IN	SP489ES	16 PDIP	-40°C to +85°C
LTC489IS	SP489ET	16 SOIC	-40°C to +85°C

*Full Duplex RS-485 Driver and Receiver*

LTC490CN8	SP490CS	8 PDIP	0°C to +70°C
	SP490ECP	8 PDIP	0°C to +70°C
LTC490CS8	SP490CN	8 NSOIC	0°C to +70°C
	SP490ECN	8 NSOIC	0°C to +70°C
LTC490IN8	SP490ES	8 PDIP	-40°C to +85°C
	SP490EEP	8 PDIP	-40°C to +85°C
LTC490IS8	SP490EN	8 NSOIC	-40°C to +85°C
	SP490EEN	8 NSOIC	-40°C to +85°C

• The SP490Exx series offers  $\pm 15$ KV ESD protection.

*Full Duplex RS-485 Driver and Receiver, Driver and Receiver Tri-state*

LTC491CN	SP491CS	14 PDIP	0°C to +70°C
	SP491ECP	14 PDIP	0°C to +70°C
LTC491CS	SP491CN	14 NSOIC	0°C to +70°C
	SP491ECN	14 NSOIC	0°C to +70°C
LTC491IN	SP491ES	14 PDIP	-40°C to +85°C
	SP491EEP	14 PDIP	-40°C to +85°C
LTC491IS	SP491EN	14 NSOIC	-40°C to +85°C
	SP491EEN	14 NSOIC	-40°C to +85°C

• The SP491Exx series offers  $\pm 15$ KV ESD protection.

*3V Charge Pump Converters, Inverting or Doubling*

LTC660CN8	SP6660CP	8 PDIP	0°C to +70°C
LTC660CS8	SP6660CN	8 NSOIC	0°C to +70°C

*5V, Microprocessor Supervisory Circuit*

LTC690CN8	SP690ACP	8 PDIP	0°C to +70°C
LTC690CS8	SP690ACN	8 NSOIC	0°C to +70°C
LTC690IN8	SP690AEP	8 PDIP	-40°C to +85°C
LTC690IS8	SP690AEN	8 NSOIC	-40°C to +85°C

*5V, Microprocessor Supervisory Circuit*

LTC692CN8	SP692ACP	8 PDIP	0°C to +70°C
LTC692CS8	SP692ACN	8 NSOIC	0°C to +70°C
LTC692IN8	SP692AEP	8 PDIP	-40°C to +85°C
LTC692IS8	SP692AEN	8 NSOIC	-40°C to +85°C

*5V, Microprocessor Supervisory Circuit*

LTC694CN8	SP690ACP	8 PDIP	0°C to +70°C
LTC694CS8	SP690ACN	8 NSOIC	0°C to +70°C
LTC694IN8	SP690AEP	8 PDIP	-40°C to +85°C
LTC694IS8	SP690AEN	8 NSOIC	-40°C to +85°C

*Enhanced 5V RS-232, 2 Drivers, 2 Receivers*

LT1080CN	SP310ACP	18 PDIP	0°C to +70°C
	SP310ECP	18 PDIP	0°C to +70°C
LT1080CS	SP310ACT	18 SOIC	0°C to +70°C
	SP310ECT	18 SOIC	0°C to +70°C
LT1080IN	SP310AEP	18 PDIP	-40°C to +85°C
	SP310EEP	18 PDIP	-40°C to +85°C

• The SP310Exx series offers  $\pm 15$ KV ESD protection.

*5V Only RS-232, 2 Drivers, 2 Receivers*

LT1081CN	SP232ACP	16 PDIP	0°C to +70°C
	SP232ECP	16 PDIP	0°C to +70°C
LT1081CS	SP232ACT	16 SOIC	0°C to +70°C
	SP232ECT	16 SOIC	0°C to +70°C
LT1081IN	SP232AEP	16 PDIP	-40°C to +85°C
	SP232EEP	16 PDIP	-40°C to +85°C

• The SP232Exx series offers  $\pm 15$ KV ESD protection.

*5V Only RS-232, 2 Drivers, 2 Receivers, Shutdown*

LT1180CN	SP310ACP	18 PDIP	0°C to +70°C
	SP310ECP	18 PDIP	0°C to +70°C
LT1180CS	SP310ACT	18 SOIC	0°C to +70°C
	SP310ECT	18 SOIC	0°C to +70°C
LT1180IN	SP310AEP	18 PDIP	-40°C to +85°C
	SP310EEP	18 PDIP	-40°C to +85°C

• The SP310Exx series offers  $\pm 15$ KV ESD protection.

*5V Only RS-232, 2 Drivers, 2 Receivers*

LT1181CN	SP232ACP	16 PDIP	0°C to +70°C
	SP232ECP	16 PDIP	0°C to +70°C
LT1181CS	SP232ACT	16 SOIC	0°C to +70°C
	SP232ECT	16 SOIC	0°C to +70°C
LT1181IN	SP232AEP	16 PDIP	-40°C to +85°C
	SP232EEP	16 PDIP	-40°C to +85°C

• The SP232Exx series offers  $\pm 15$ KV ESD protection.

*Enhanced 5V RS-232, 2 Drivers, 2 Receivers*

LT1181ACN	SP232ACP	16 PDIP	0°C to +70°C
	SP232ECP	16 PDIP	0°C to +70°C
LT1181ACS	SP232ACT	16 SOIC	0°C to +70°C
	SP232ECT	16 SOIC	0°C to +70°C
LT1181AIN	SP232AEP	16 PDIP	-40°C to +85°C
	SP232EEP	16 PDIP	-40°C to +85°C

• The SP232Exx series offers  $\pm 15$ KV ESD protection.

*3V Micropower Sampling 12-Bit A/D Converter*

LTC1285CN8	SP8528JN	8 PDIP	0°C to +70°C
	SP8528KN	8 PDIP	0°C to +70°C
LTC1285IN8	SP8528AN	8 PDIP	-40°C to +85°C
	SP8528BN	8 PDIP	-40°C to +85°C
LTC1285CS8	SP8528JS	8 NSOIC	0°C to +70°C
	SP8528KS	8 NSOIC	0°C to +70°C
LTC1285IS8	SP8528AS	8 NSOIC	-40°C to +85°C
	SP8528BS	8 NSOIC	-40°C to +85°C

• The SP8528Kx and the SP8528Bx products have improved INL of  $\pm 1.0$ LSB.

*Micropower Sampling 12-Bit A/D Converter*

LTC1286CN8	SP8528JN	8 PDIP	0°C to +70°C
	SP8528KN	8 PDIP	0°C to +70°C
LTC1286IN8	SP8528AN	8 PDIP	-40°C to +85°C
	SP8528BN	8 PDIP	-40°C to +85°C
LTC1286CS8	SP8528JS	8 NSOIC	0°C to +70°C
	SP8528KS	8 NSOIC	0°C to +70°C
LTC1286IS8	SP8528AS	8 NSOIC	-40°C to +85°C
	SP8528BS	8 NSOIC	-40°C to +85°C

• The SP8528Kx and the SP8528Bx products have improved INL of  $\pm 1.0$  LSB.

*3V Micropower Sampling 12-Bit A/D Converter*

LTC1288CN8	SP8538JN	8 PDIP	0°C to +70°C
	SP8538KN	8 PDIP	0°C to +70°C
LTC1288IN8	SP8538AN	8 PDIP	-40°C to +85°C
	SP8538BN	8 PDIP	-40°C to +85°C
LTC1288CS8	SP8538JS	8 NSOIC	0°C to +70°C
	SP8538KS	8 NSOIC	0°C to +70°C
LTC1288IS8	SP8538AS	8 NSOIC	-40°C to +85°C
	SP8538BS	8 NSOIC	-40°C to +85°C

• The SP8538Kx and the SP8538Bx products have improved INL of  $\pm 1.0$  LSB.

*Micropower Sampling 12-Bit A/D Converter*

LTC1298CN8	SP8538JN	8 PDIP	0°C to +70°C
	SP8538KN	8 PDIP	0°C to +70°C
LTC1298IN8	SP8538AN	8 PDIP	-40°C to +85°C
	SP8538BN	8 PDIP	-40°C to +85°C
LTC1298CS8	SP8538JS	8 NSOIC	0°C to +70°C
	SP8538KS	8 NSOIC	0°C to +70°C
LTC1298IS8	SP8538AS	8 NSOIC	-40°C to +85°C
	SP8538BS	8 NSOIC	-40°C to +85°C

• The SP8538Kx and the SP8538Bx products have improved INL of  $\pm 1.0$  LSB.

*Enhanced RS-232 Line Drivers/Receivers*

LT1381CS	SP232ACN	16 NSOIC	0°C to +70°C
	SP232ECN	16 NSOIC	0°C to +70°C
LT1381CN	SP232ACP	16 PDIP	0°C to +70°C
	SP232ECP	16 PDIP	0°C to +70°C

- The SP232Exx series offers  $\pm 15\text{KV}$  ESD protection.

*Enhanced 3V or 5V RS-562 Line Driver/Receiver*

LTC1385CG	SP385ACA	20 SSOP	0°C to +70°C
	SP385ECA	20 SSOP	0°C to +70°C
LTC1385CS	SP385ACT	18 SOIC	0°C to +70°C
	SP385ECT	18 SOIC	0°C to +70°C

- The SP385Axx and the SP385Exx series have no driver disable function.
- The SP385Exx series offers  $\pm 15\text{KV}$  ESD protection.

*Half Duplex RS-485 Transceiver, Shutdown*

LTC1481CN8	SP481CS	8 PDIP	0°C to +70°C
	SP481ECP	8 PDIP	0°C to +70°C
LTC1481IN8	SP481ES	8 PDIP	-40°C to +85°C
	SP481EEP	8 PDIP	-40°C to +85°C
LTC1481CS8	SP481CN	8 NSOIC	0°C to +70°C
	SP481ECN	8 NSOIC	0°C to +70°C
LTC1481IS8	SP481EN	8 NSOIC	-40°C to +85°C
	SP481EEN	8 NSOIC	-40°C to +85°C

- The SP481Exx series offers  $\pm 15\text{KV}$  ESD protection.

*Half Duplex RS-485 Transceiver, Shutdown, 0.25Mbps, Low EMI*

LTC1483CN8	SP483CS	8 PDIP	0°C to +70°C
LTC1483IN8	SP483ES	8 PDIP	-40°C to +85°C
LTC1483CS8	SP483CN	8 NSOIC	0°C to +70°C
LTC1483IS8	SP483EN	8 NSOIC	-40°C to +85°C

*Enhanced RS-485 Transceiver*

LTC1485CN8	SP485CS	8 PDIP	0°C to +70°C
	SP485RCP	8 PDIP	0°C to +70°C
	SP485ECP	8 PDIP	0°C to +70°C
LTC1485CS8	SP485CN	8 NSOIC	0°C to +70°C
	SP485RCN	8 NSOIC	0°C to +70°C
	SP485ECN	8 NSOIC	0°C to +70°C

- The SP485Rxx series allows up to 256 RS-485 transceivers on one transmission line while the LTC equivalent allows 32 only.
- The SP485Exx series offers  $\pm 15$ KV ESD protection.

*Enhanced RS-485 Transceiver*

LTC1487CN8	SP485RCP	8 PDIP	0°C to +70°C
	SP485ECP	8 PDIP	0°C to +70°C
LTC1487CS8	SP485RCN	8 NSOIC	0°C to +70°C
	SP485ECN	8 NSOIC	0°C to +70°C

- The SP485Rxx series allows up to 256 RS-485 transceivers on one transmission line while the LTC equivalent allows 32 only.
- The SP485Exx series offers  $\pm 15$ KV ESD protection.

*12 Bit Digital-to-Analog Converter, Current Output*

LTC7541AJN	HS7541AJN	18 PDIP	0°C to +70°C
LTC7541AKN	HS7541AKN	18 PDIP	0°C to +70°C
LTC7541AJSW	HS7541AJS	18 SOIC	0°C to +70°C
LTC7541AKSW	HS7541AKS	18 SOIC	0°C to +70°C
LTC7541ABN	HS7541ABN	18 PDIP	-40°C to +85°C
LTC7541ABSW	HS7541ABS	18 SOIC	-40°C to +85°C

*12-Bit Analog-to-Digital Converter, 8  $\mu$ Sec Conversion Time*

MAX174ACPI	SP774BAP	28 PDIP	0°C to +70°C
MAX174BCPI	SP774BBP	28 PDIP	0°C to +70°C
MAX174ACWI	SP774BAS	28 SOIC	0°C to +70°C
MAX174BCWI	SP774BBS	28 SOIC	0°C to +70°C
MAX174AEPI	SP774BAP	28 PDIP	-40°C to +85°C
MAX174BEPI	SP774BBP	28 PDIP	-40°C to +85°C
MAX174AEWI	SP774BAS	28 SOIC	-40°C to +85°C
MAX174BEWI	SP774BBS	28 SOIC	-40°C to +85°C
MAX174AMJI	SP774BSQ	28 CDIP	-55°C to +125°C
MAX174BMJI	SP774BTQ	28 CDIP	-55°C to +125°C

*5V Only RS-232, 5 Drivers, 0 Receivers, Shutdown*

MAX200CPP	SP200CP	20 PDIP	0°C to +70°C
MAX200CWP	SP200CT	20 SOIC	0°C to +70°C
MAX200EPP	SP200EP	20 PDIP	-40°C to +85°C
MAX200EWP	SP200ET	20 SOIC	-40°C to +85°C

*5V and 12V RS-232, 2 Drivers, 2 Receivers*

MAX201CPD	SP231ACP	14 PDIP	0°C to +70°C
MAX201CWE	SP231ACT	16 SOIC	0°C to +70°C
MAX201EPD	SP231AEP	14 PDIP	-40°C to +85°C
MAX201EWE	SP231AET	16 SOIC	-40°C to +85°C

*5V Only RS-232, 2 Drivers, 2 Receivers*

MAX202CPE	SP232ACP	16 PDIP	0°C to +70°C
	SP232ECP	16 PDIP	0°C to +70°C
	SP202ECP	16 PDIP	0°C to +70°C
MAX202CSE	SP232ACN	16 NSOIC	0°C to +70°C
	SP232ECN	16 NSOIC	0°C to +70°C
	SP202ECN	16 NSOIC	0°C to +70°C
MAX202CWE	SP232ACT	16 SOIC	0°C to +70°C
	SP232ECT	16 SOIC	0°C to +70°C
	SP202ECT	16 SOIC	0°C to +70°C
MAX202EPE	SP232AEP	16 PDIP	-40°C to +85°C
	SP232EEP	16 PDIP	-40°C to +85°C
	SP202EEP	16 PDIP	-40°C to +85°C
MAX202ESE	SP232AEN	16 NSOIC	-40°C to +85°C
	SP232EEN	16 NSOIC	-40°C to +85°C
	SP202EEN	16 NSOIC	-40°C to +85°C
MAX202EWE	SP232AET	16 SOIC	-40°C to +85°C
	SP232EET	16 SOIC	-40°C to +85°C
	SP202EET	16 SOIC	-40°C to +85°C

• The SP232Exx series and the SP202Exx series offer  $\pm 15$ KV ESD protection.

*High Performance 5V RS-232, 2 Drivers, 2 Receivers*

MAX202ECPE	SP202ECP	16 PDIP	0°C to +70°C
MAX202ECSE	SP202ECN	16 NSOIC	0°C to +70°C
MAX202ECWE	SP202ECT	16 SOIC	0°C to +70°C
MAX202EEPE	SP202EEP	16 PDIP	-40°C to +85°C
MAX202EESE	SP202EEN	16 NSOIC	-40°C to +85°C
MAX202EEWE	SP202EET	16 SOIC	-40°C to +85°C

*5V Only, 2 Drivers, 2 Receivers, No External Capacitors*

MAX203CPP	SP233ACP	20 PDIP	0°C to +70°C
MAX203CWP	SP233ACT	20 SOIC	0°C to +70°C
MAX203EPP	SP233AEP	20 PDIP	-40°C to +85°C
MAX203EWP	SP233AET	20 SOIC	-40°C to +85°C

## MAXIM INTEGRATED PRODUCTS SIPEX PRODUCT CROSS Reference Info

### 5V Only RS-232, 4 Drivers, 0 Receivers

MAX204CPE	SP204CP	16 PDIP	0°C to +70°C
MAX204CWE	SP204CT	16 SOIC	0°C to +70°C
MAX204EPE	SP204EP	16 PDIP	-40°C to +85°C
MAX204EWE	SP204ET	16 SOIC	-40°C to +85°C

### 5V Only RS-232, 5 Drivers, 5 Receivers, Shutdown, Tri-state, No External Capacitors

MAX205CPG	SP205CP	24 Wide PDIP	0°C to +70°C
MAX205EPG	SP205EP	24 Wide PDIP	-40°C to +85°C

### 5V Only RS-232, 4 Drivers, 3 Receivers, Shutdown, Tri-state

MAX206CNG	SP206CP	24 PDIP	0°C to +70°C
MAX206CWG	SP206CT	24 SOIC	0°C to +70°C
MAX206CAG	SP206CA	24 SSOP	0°C to +70°C
MAX206ENG	SP206EP	24 PDIP	-40°C to +85°C
MAX206EWG	SP206ET	24 SOIC	-40°C to +85°C
MAX206EAG	SP206EA	24 SSOP	-40°C to +85°C

### 5V Only RS-232, 5 Drivers, 3 Receivers

MAX207CNG	SP207CP	24 PDIP	0°C to +70°C
	SP207ECP	24 PDIP	0°C to +70°C
MAX207CWG	SP207CT	24 SOIC	0°C to +70°C
	SP207ECT	24 SOIC	0°C to +70°C
MAX207CAG	SP207CA	24 SSOP	0°C to +70°C
	SP207ECA	24 SSOP	0°C to +70°C
MAX207ENG	SP207EP	24 PDIP	-40°C to +85°C
	SP207EEP	24 PDIP	-40°C to +85°C
MAX207EWG	SP207ET	24 SOIC	-40°C to +85°C
	SP207EET	24 SOIC	-40°C to +85°C
MAX207EAG	SP207EA	24 SSOP	-40°C to +85°C
	SP207EEA	24 SSOP	-40°C to +85°C

• The SP207Exx series offers  $\pm 15$ KV ESD protection.

*High Performance 5V RS-232, 5 Drivers, 3 Receivers*

MAX207ECAG	SP207ECA	24 SSOP	0°C to +70°
MAX207ECNG	SP207ECP	24 PDIP	0°C to +70°
MAX207ECWG	SP207ECT	24 SOIC	0°C to +70°
MAX207EEAG	SP207EEA	24 SSOP	-40°C to +85°C
MAX207EENG	SP207EEP	24 PDIP	-40°C to +85°C
MAX207EEWG	SP207EET	24 SOIC	-40°C to +85°C

*5V Only RS-232, 4 Drivers, 4 Receivers*

MAX208CNG	SP208CP	24 PDIP	0°C to +70°C
	SP208ECP	24 PDIP	0°C to +70°C
MAX208CWG	SP208CT	24 SOIC	0°C to +70°C
	SP208ECT	24 SOIC	0°C to +70°C
MAX208CAG	SP208CA	24 SSOP	0°C to +70°C
	SP208ECA	24 SSOP	0°C to +70°C
MAX208ENG	SP208EP	24 PDIP	-40°C to +85°C
	SP208EEP	24 PDIP	-40°C to +85°C
MAX208EWG	SP208ET	24 SOIC	-40°C to +85°C
	SP208EET	24 SOIC	-40°C to +85°C
MAX208EAG	SP208EA	24 SSOP	-40°C to +85°C
	SP208EEA	24 SSOP	-40°C to +85°C

• The SP208Exx series offers ±15KV ESD protection.

*High Performance 5V RS-232, 4 Drivers, 4 Receivers*

MAX208ECAG	SP208ECA	24 SSOP	0°C to +70°C
MAX208ECNG	SP208ECP	24 PDIP	0°C to +70°C
MAX208ECWG	SP208ECT	24 SOIC	0°C to +70°C
MAX208EEAG	SP208EEA	24 SSOP	-40°C to +85°C
MAX208EENG	SP208EEP	24 PDIP	-40°C to +85°C
MAX208EEWG	SP208EET	24 SOIC	-40°C to +85°C

*5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state*

MAX211CWI	SP211CT	28 SOIC	0°C to +70°C
	SP211ECT	28 SOIC	0°C to +70°C
MAX211CAI	SP211CA	28 SSOP	0°C to +70°C
	SP211ECA	28 SSOP	0°C to +70°C
MAX211EWI	SP211ET	28 SOIC	-40°C to +85°C
	SP211EET	28 SOIC	-40°C to +85°C
MAX211EAI	SP211EA	28 SSOP	-40°C to +85°C
	SP211EEA	28 SSOP	-40°C to +85°C

• The SP211Exx series offers  $\pm 15$ KV ESD protection.

*High Performance 5V RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state*

MAX211ECAI	SP211ECA	28 SSOP	0°C to +70°C
MAX211ECWI	SP211ECT	28 SOIC	0°C to +70°C
MAX211EEAI	SP211EEA	28 SSOP	-40°C to +85°C
MAX211EEWI	SP211EET	28 SOIC	-40°C to +85°C

*5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state, Wake-up (2 receivers)*

MAX213CWI	SP213CT	28 SOIC	0°C to +70°C
	SP213ECT	28 SOIC	0°C to +70°C
MAX213CAI	SP213CA	28 SSOP	0°C to +70°C
	SP213ECA	28 SSOP	0°C to +70°C
MAX213EWI	SP213ET	28 SOIC	-40°C to +85°C
	SP213EET	28 SOIC	-40°C to +85°C
MAX213EAI	SP213EA	28 SSOP	-40°C to +85°C
	SP213EEA	28 SSOP	-40°C to +85°C

• The SP213Exx series offers  $\pm 15$ KV ESD protection.

*High Performance 5V RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state, Wake-up*

MAX213ECAI	SP213ECA	28 SSOP	0°C to +70°C
MAX213ECWI	SP213ECT	28 SOIC	0°C to +70°C
MAX213EEAI	SP213EEA	28 SSOP	-40°C to +85°C
MAX213EEWI	SP213EET	28 SOIC	-40°C to +85°C

*5V Only RS-232, 2 Drivers, 2 Receivers, Shutdown*

MAX222CPN	SP310ACP	18 PDIP	0°C to +70°C
	SP310ECP	18 PDIP	0°C to +70°C
MAX222CWN	SP310ACT	18 SOIC	0°C to +70°C
	SP310ECT	18 SOIC	0°C to +70°C
MAX222EPN	SP310AEP	18 PDIP	-40°C to +85°C
	SP310EEP	18 PDIP	-40°C to +85°C
MAX222EWN	SP310AET	18 SOIC	-40°C to +85°C
	SP310EET	18 SOIC	-40°C to +85°C

• The SP310Exx series offers  $\pm 15$ KV ESD protection.

*5V Only RS-232, 5 Drivers, 0 Receivers, Shutdown*

MAX230CPP	SP230ACP	20 PDIP	0°C to +70°C
	SP200CP	20 PDIP	0°C to +70°C
MAX230CWP	SP230ACT	20 SOIC	0°C to +70°C
	SP200CT	20 SOIC	0°C to +70°C
MAX230EPP	SP230AEP	20 PDIP	-40°C to +85°C
	SP200EP	20 PDIP	-40°C to +85°C
MAX230EWP	SP230AET	20 SOIC	-40°C to +85°C
	SP200ET	20 SOIC	-40°C to +85°C

• The SP200xx series is a pin for pin enhanced version of the SP230Axx series: enhancements offer  $\pm 10$ KV ESD protection, the use of 0.1 $\mu$ F charge pump capacitors, and higher data rates of at least 120Kbps.

*5V and 12V RS-232, 2 Drivers, 2 Receivers*

MAX231CPD	SP231ACP	14 PDIP	0°C to +70°C
MAX231CWE	SP231ACT	16 SOIC	0°C to +70°C
MAX231EPD	SP231AEP	14 PDIP	-40°C to +85°C
MAX231EWE	SP231AET	16 SOIC	-40°C to +85°C

*5V Only RS-232, 2 Drivers, 2 Receivers*

MAX232CPE	SP232ACP	16 PDIP	0°C to +70°C
	SP232ECP	16 PDIP	0°C to +70°C
MAX232CSE	SP232ACN	16 NSOIC	0°C to +70°C
	SP232ECN	16 NSOIC	0°C to +70°C
MAX232CWE	SP232ACT	16 SOIC	0°C to +70°C
	SP232ECT	16 SOIC	0°C to +70°C
MAX232EPE	SP232AEP	16 PDIP	-40°C to +85°C
	SP232EEP	16 PDIP	-40°C to +85°C
MAX232ESE	SP232AEN	16 NSOIC	-40°C to +85°C
	SP232EEN	16 NSOIC	-40°C to +85°C
MAX232EWE	SP232AET	16 SOIC	-40°C to +85°C
	SP232EET	16 SOIC	-40°C to +85°C
MAX232ACPE	SP232ACP	16 PDIP	0°C to +70°C
	SP232ECP	16 PDIP	0°C to +70°C
MAX232ACSE	SP232ACN	16 NSOIC	0°C to +70°C
	SP232ECN	16 NSOIC	0°C to +70°C
MAX232ACWE	SP232ACT	16 SOIC	0°C to +70°C
	SP232ECT	16 SOIC	0°C to +70°C
MAX232AEPE	SP232AEP	16 PDIP	-40°C to +85°C
	SP232EEP	16 PDIP	-40°C to +85°C
MAX232AESE	SP232AEN	16 NSOIC	-40°C to +85°C
	SP232EEN	16 NSOIC	-40°C to +85°C
MAX232AEWE	SP232AET	16 SOIC	-40°C to +85°C
	SP232EET	16 SOIC	-40°C to +85°C

• The SP232Exx series offers  $\pm 15$ KV ESD protection.

*High Performance 5V RS-232, 2 Drivers, 2 Receivers*

MAX232ECPE	SP232ECP	16 PDIP	0°C to +70°C
MAX232ECSE	SP232ECN	16 NSOIC	0°C to +70°C
MAX232ECWE	SP232ECT	16 SOIC	0°C to +70°C
MAX232EEPE	SP232EEP	16 PDIP	-40°C to +85°C
MAX232EESE	SP232EEN	16 NSOIC	-40°C to +85°C
MAX232EEWE	SP232EET	16 SOIC	-40°C to +85°C

*5V Only RS-232, 2 Drivers, 2 Receivers, No External Capacitors*

MAX233CPP	SP233ACP	20 PDIP	0°C to +70°C
	SP233ECP	20 PDIP	0°C to +70°C
MAX233EPP	SP233AEP	20 PDIP	-40°C to +85°C
	SP233EEP	20 PDIP	-40°C to +85°C
MAX233ACPP	SP233ACP	20 PDIP	0°C to +70°C
	SP233ECP	20 PDIP	0°C to +70°C
MAX233ACWP	SP233ACT	20 SOIC	0°C to +70°C
	SP233ECT	20 SOIC	0°C to +70°C
MAX233AEPP	SP233AEP	20 PDIP	-40°C to +85°C
	SP233EEP	20 PDIP	-40°C to +85°C
MAX233AEWP	SP233AET	20 SOIC	-40°C to +85°C
	SP233EET	20 SOIC	-40°C to +85°C

• The SP233Exx series offers  $\pm 15$ KV ESD protection.

*5V Only RS-232, 4 Drivers, 0 Receivers*

MAX234CPE	SP234ACP	16 PDIP	0°C to +70°C
	SP204CP	16 PDIP	0°C to +70°C
MAX234CWE	SP234ACT	16 SOIC	0°C to +70°C
	SP204CT	16 SOIC	0°C to +70°C
MAX234EPE	SP234AEP	16 PDIP	-40°C to +85°C
	SP204EP	16 PDIP	-40°C to +85°C
MAX234EWE	SP234AET	16 SOIC	-40°C to +85°C
	SP204ET	16 SOIC	-40°C to +85°C

• The SP204xx series is a pin for pin enhanced version of the SP234Axx series: enhancements offer  $\pm 10$ KV ESD protection, the use of 0.1 $\mu$ F charge pump capacitors, and higher data rates of at least 120Kbps.

*5V Only RS-232, 5 Drivers, 5 Receivers, Shutdown, Tri-state, No External Capacitors*

MAX235CPG	SP235ACP	24 Wide PDIP	0°C to +70°C
	SP205CP	24 Wide PDIP	0°C to +70°C
MAX235EPG	SP235AEP	24 Wide PDIP	-40°C to +85°C
	SP205EP	24 Wide PDIP	-40°C to +85°C

• The SP205xx series is a pin for pin enhanced version of the SP235Axx series: enhancements offer  $\pm 10$ KV ESD protection, the use of 0.1 $\mu$ F charge pump capacitors, and higher data rates of at least 120Kbps.

5V Only RS-232, 4 Drivers, 3 Receivers, Shutdown, Tri-state

MAX236CNG	SP236ACS	24 PDIP	0°C to +70°C
	SP206CP	24 PDIP	0°C to +70°C
MAX236CWG	SP236ACT	24 SOIC	0°C to +70°C
	SP206CT	24 SOIC	0°C to +70°C
MAX236ENG	SP236AES	24 PDIP	-40°C to +85°C
	SP206EP	24 PDIP	-40°C to +85°C
MAX236EWG	SP236AET	24 SOIC	-40°C to +85°C
	SP206ET	24 SOIC	-40°C to +85°C

• The SP206xx series is a pin for pin enhanced version of the SP236Axx series: enhancements offer  $\pm 10$ KV ESD protection, the use of 0.1 $\mu$ F charge pump capacitors, and higher data rates of at least 120Kbps.

5V Only RS-232, 5 Drivers, 3 Receivers

MAX237CNG	SP237ACS	24 PDIP	0°C to +70°C
	SP207CP	24 PDIP	0°C to +70°C
	SP207HCP	24 PDIP	0°C to +70°C
	SP207ECP	24 PDIP	0°C to +70°C
MAX237CWG	SP237ACT	24 SOIC	0°C to +70°C
	SP207CT	24 SOIC	0°C to +70°C
	SP207HCT	24 SOIC	0°C to +70°C
	SP207ECT	24 SOIC	0°C to +70°C
MAX237ENG	SP237AES	24 PDIP	-40°C to +85°C
	SP207EP	24 PDIP	-40°C to +85°C
	SP207HEP	24 PDIP	-40°C to +85°C
	SP207EEP	24 PDIP	-40°C to +85°C
MAX237EWG	SP237AET	24 SOIC	-40°C to +85°C
	SP207ET	24 SOIC	-40°C to +85°C
	SP207HET	24 SOIC	-40°C to +85°C
	SP207EET	24 SOIC	-40°C to +85°C

• The SP207xx and the SP207Hxx series are pin for pin enhanced versions of the SP237Axx series: enhancements offer  $\pm 10$ KV ESD protection and the use of 0.1 $\mu$ F charge pump capacitors.  
 • The SP207xx and the SP207Exx series have higher data rates of at least 120Kbps.  
 • The SP207Hxx series has higher data rates of at least 400Kbps.  
 • The SP207Exx series offers  $\pm 15$ KV ESD protection.

5V Only RS-232, 4 Drivers, 4 Receivers

MAX238CNG	SP238ACS	24 PDIP	0°C to +70°C
	SP208CP	24 PDIP	0°C to +70°C
	SP208ECP	24 PDIP	0°C to +70°C
MAX238CWG	SP238ACT	24 SOIC	0°C to +70°C
	SP208CT	24 SOIC	0°C to +70°C
	SP208ECT	24 SOIC	0°C to +70°C
MAX238ENG	SP238AES	24 PDIP	-40°C to +85°C
	SP208EP	24 PDIP	-40°C to +85°C
	SP208EEP	24 PDIP	-40°C to +85°C
MAX238EWG	SP238AET	24 SOIC	-40°C to +85°C
	SP208ET	24 SOIC	-40°C to +85°C
	SP208EET	24 SOIC	-40°C to +85°C

- The SP208xx series is a pin for pin enhanced version of the SP238Axx series: enhancements offer  $\pm 10$ KV ESD protection, the use of 0.1 $\mu$ F charge pump capacitors, and higher data rates of at least 120Kbps.
- The SP208Exx series offers  $\pm 15$ KV ESD protection and a higher data rate of at least 120Kbps.

5V Only RS-232, 5 Drivers, 5 Receivers, Shutdown, Tri-state

MAX240CMH	SP240ACF	44 QFP	0°C to +70°C
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5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state

MAX241CAI	SP241ACA	28 SSOP	0°C to +70°C
	SP211CA	28 SSOP	0°C to +70°C
	SP211HCA	28 SSOP	0°C to +70°C
	SP211ECA	28 SSOP	0°C to +70°C
MAX241CWI	SP241ACT	28 SOIC	0°C to +70°C
	SP211CT	28 SOIC	0°C to +70°C
	SP211HCT	28 SOIC	0°C to +70°C
	SP211ECT	28 SOIC	0°C to +70°C
MAX241EAI	SP241AEA	28 SSOP	-40°C to +85°C
	SP211EA	28 SSOP	-40°C to +85°C
	SP211HEA	28 SSOP	-40°C to +85°C
	SP211EEA	28 SSOP	-40°C to +85°C
MAX241EWI	SP241AET	28 SOIC	-40°C to +85°C
	SP211ET	28 SOIC	-40°C to +85°C
	SP211HET	28 SOIC	-40°C to +85°C
	SP211EET	28 SOIC	-40°C to +85°C

- The SP211xx and the SP211Hxx series are pin for pin enhanced versions of the SP241Axx series: enhancements offer  $\pm 10$ KV ESD protection and the use of 0.1 $\mu$ F charge pump capacitors.
- The SP211xx and the SP211Exx series have higher data rates of at least 120Kbps.
- The SP211Hxx series has higher data rates of at least 400Kbps.
- The SP211Exx series offers  $\pm 15$ KV ESD protection.

*5V Only RS-232, 2 Drivers, 2 Receivers, Shutdown, Tri-state*

MAX242CPN	SP312ACP	18 PDIP	0°C to +70°C
	SP312ECP	18 PDIP	0°C to +70°C
MAX242CWN	SP312ACT	18 SOIC	0°C to +70°C
	SP312ECT	18 SOIC	0°C to +70°C
MAX242EPN	SP312AEP	18 PDIP	-40°C to +85°C
	SP312EEP	18 PDIP	-40°C to +85°C
MAX242EWN	SP312AET	18 SOIC	-40°C to +85°C
	SP312EET	18 SOIC	-40°C to +85°C

• The SP312Exx series offers  $\pm 15$ KV ESD protection.

*Half Duplex RS-485 Transceiver, Shutdown*

MAX481CPA	SP481CS	8 PDIP	0°C to +70°C
	SP481ECP	8 PDIP	0°C to +70°C
MAX481CSA	SP481CN	8 NSOIC	0°C to +70°C
	SP481ECN	8 NSOIC	0°C to +70°C
MAX481EPA	SP481ES	8 PDIP	-40°C to +85°C
	SP481EEP	8 PDIP	-40°C to +85°C
MAX481ESA	SP481EN	8 NSOIC	-40°C to +85°C
	SP481EEN	8 NSOIC	-40°C to +85°C

• The SP481Exx series offers  $\pm 15$ KV ESD protection.

*Enhanced Low Power Half Duplex RS-485 Transceivers, Low Power Shutdown*

MAX481ECPA	SP481ECP	8 PDIP	0°C to +70°C
MAX481ECSA	SP481ECN	8 NSOIC	0°C to +70°C
MAX481EEPA	SP481EEP	8 PDIP	-40°C to +85°C
MAX481EESA	SP481EEN	8 NSOIC	-40°C to +85°C

*Half Duplex RS-485 Transceiver, Shutdown, 0.25Mbps, Low EMI*

MAX483CSA	SP483CN	8 NSOIC	0°C to +70°C
MAX483CPA	SP483CS	8 PDIP	0°C to +70°C
MAX483ESA	SP483EN	8 NSOIC	-40°C to +85°C
MAX483EPA	SP483ES	8 PDIP	-40°C to +85°C

*Half Duplex RS-485 Transceiver, 5Mbps*

MAX485CSA	SP485CN	8 NSOIC	0°C to +70°C
	SP485ECN	8 NSOIC	0°C to +70°C
MAX485CPA	SP485CS	8 PDIP	0°C to +70°C
	SP485ECP	8 PDIP	0°C to +70°C
MAX485ESA	SP485EN	8 NSOIC	-40°C to +85°C
	SP485EEN	8 NSOIC	-40°C to +85°C
MAX485EPA	SP485ES	8 PDIP	-40°C to +85°C
	SP485EEP	8 PDIP	-40°C to +85°C

• The SP485Exx series offers  $\pm 15$ KV ESD protection.

*Enhanced Low Power Half Duplex RS-485 Transceivers*

MAX485ECPA	SP485ECP	8 PDIP	0°C to +70°C
MAX485ECSA	SP485ECN	8 NSOIC	0°C to +70°C
MAX485ECPA	SP485EEP	8 PDIP	-40°C to +85°C
MAX485EESA	SP485EEN	8 NSOIC	-40°C to +85°C

*Full Duplex RS-485 Driver and Receiver*

MAX490CPA	SP490CS	8 PDIP	0°C to +70°C
	SP490ECP	8 PDIP	0°C to +70°C
MAX490CSA	SP490CN	8 NSOIC	0°C to +70°C
	SP490ECN	8 NSOIC	0°C to +70°C
MAX490EPA	SP490ES	8 PDIP	-40°C to +85°C
	SP490EEP	8 PDIP	-40°C to +85°C
MAX490ESA	SP490EN	8 NSOIC	-40°C to +85°C
	SP490EEN	8 NSOIC	-40°C to +85°C

• The SP490Exx series offers  $\pm 15$ KV ESD protection.

*Enhanced Low Power Full Duplex RS-485 Transceivers*

MAX490ECPA	SP490ECP	8 PDIP	0°C to +70°C
MAX490ECSA	SP490ECN	8 NSOIC	0°C to +70°C
MAX490ECPA	SP490EEP	8 PDIP	-40°C to +85°C
MAX490EESA	SP490EEN	8 NSOIC	-40°C to +85°C

*Full Duplex RS-485 Driver and Receiver, 5Mbps, Driver and Receiver Tri-state*

MAX491CPD	SP491CS	14 PDIP	0°C to +70°C
	SP491ECP	14 PDIP	0°C to +70°C
MAX491CSD	SP491CN	14 NSOIC	0°C to +70°C
	SP491ECN	14 NSOIC	0°C to +70°C
MAX491EPD	SP491ES	14 PDIP	-40°C to +85°C
	SP491EEP	14 PDIP	-40°C to +85°C
MAX491ESD	SP491EN	14 NSOIC	-40°C to +85°C
	SP491EEN	14 NSOIC	-40°C to +85°C

• The SP491Exx series offers  $\pm 15$ KV ESD protection.

*Enhanced Low Power Full Duplex RS-485 Transceivers with Enable Control Lines*

MAX491ECPD	SP491ECP	14 PDIP	0°C to +70°C
MAX491ECSD	SP491ECN	14 NSOIC	0°C to +70°C
MAX491EEPD	SP491EEP	14 PDIP	-40°C to +85°C
MAX491EESD	SP491EEN	14 NSOIC	-40°C to +85°C

*3V Charge Pump Converters, Inverting or Doubling*

MAX660CPA	SP6660EP	8 PDIP	0°C to +70°C
MAX660CSA	SP6660EN	8 NSOIC	0°C to +70°C
MAX660EPA	SP6660EP	8 PDIP	-40°C to +85°C
MAX660ESA	SP6660EN	8 NSOIC	-40°C to +85°C

*5V, Microprocessor Supervisory Circuit*

MAX690CPA	SP690ACP	8 PDIP	0°C to +70°C
MAX690CSA	SP690ACN	8 NSOIC	0°C to +70°C
MAX690EPA	SP690AEP	8 PDIP	-40°C to +85°C
MAX690ESA	SP690AEN	8 NSOIC	-40°C to +85°C

*5V, Microprocessor Supervisory Circuit*

MAX690ACPA	SP690ACP	8 PDIP	0°C to +70°C
MAX690ACSA	SP690ACN	8 NSOIC	0°C to +70°C
MAX690AEPA	SP690AEP	8 PDIP	-40°C to +85°C
MAX690AESAs	SP690AEN	8 NSOIC	-40°C to +85°C

*3V, Microprocessor Supervisory Circuit*

MAX690RCPA	SP690RCP	8 PDIP	0°C to +70°C
MAX690SCPA	SP690SCP	8 PDIP	0°C to +70°C
MAX690TCPA	SP690TCP	8 PDIP	0°C to +70°C
MAX690RCSA	SP690RCN	8 NSOIC	0°C to +70°C
MAX690SCSA	SP690SCN	8 NSOIC	0°C to +70°C
MAX690TCSA	SP690TCN	8 NSOIC	0°C to +70°C
MAX690REPA	SP690REP	8 PDIP	-40°C to +85°C
MAX690SEPA	SP690SEP	8 PDIP	-40°C to +85°C
MAX690TEPA	SP690TEP	8 PDIP	-40°C to +85°C
MAX690RESA	SP690REN	8 NSOIC	-40°C to +85°C
MAX690SESA	SP690SEN	8 NSOIC	-40°C to +85°C
MAX690TESA	SP690TEN	8 NSOIC	-40°C to +85°C

*5V, Microprocessor Supervisory Circuit*

MAX692CPA	SP692ACP	8 PDIP	0°C to +70°C
MAX692CSA	SP692ACN	8 NSOIC	0°C to +70°C
MAX692EPA	SP692AEP	8 PDIP	-40°C to +85°C
MAX692ESA	SP692AEN	8 NSOIC	-40°C to +85°C

*5V, Microprocessor Supervisory Circuit*

MAX692ACPA	SP692ACP	8 PDIP	0°C to +70°C
MAX692ACSA	SP692ACN	8 NSOIC	0°C to +70°C
MAX692AEPA	SP692AEP	8 PDIP	-40°C to +85°C
MAX692AESA	SP692AEN	8 NSOIC	-40°C to +85°C

*5V, Microprocessor Supervisory Circuit*

MAX694CPA	SP690ACP	8 PDIP	0°C to +70°C
MAX694CSA	SP690ACN	8 NSOIC	0°C to +70°C
MAX694EPA	SP690AEP	8 PDIP	-40°C to +85°C
MAX694ESA	SP690AEN	8 NSOIC	-40°C to +85°C

*5V, Microprocessor Supervisory Circuit*

MAX703CPA	SP703CP	8 PDIP	0°C to +70°C
MAX703CSA	SP703CN	8 NSOIC	0°C to +70°C
MAX703EPA	SP703EP	8 PDIP	-40°C to +85°C
MAX703ESA	SP703EN	8 NSOIC	-40°C to +85°C

*5V, Microprocessor Supervisory Circuit*

MAX704CPA	SP704CP	8 PDIP	0°C to +70°C
MAX704CSA	SP704CN	8 NSOIC	0°C to +70°C
MAX704EPA	SP704EP	8 PDIP	-40°C to +85°C
MAX704ESA	SP704EN	8 NSOIC	-40°C to +85°C

*5V, Microprocessor Supervisory Circuit*

MAX705CPA	SP705CP	8 PDIP	0°C to +70°C
MAX705CSA	SP705CN	8 NSOIC	0°C to +70°C
MAX705CUA	SP705CU	8 $\mu$ SOIC	0°C to +70°C
MAX705EPA	SP705EP	8 PDIP	-40°C to +85°C
MAX705ESA	SP705EN	8 NSOIC	-40°C to +85°C

*5V, Microprocessor Supervisory Circuit*

MAX706CPA	SP706CP	8 PDIP	0°C to +70°C
MAX706CSA	SP706CN	8 NSOIC	0°C to +70°C
MAX706CUA	SP706CU	8 $\mu$ SOIC	0°C to +70°C
MAX706EPA	SP706EP	8 PDIP	-40°C to +85°C
MAX706ESA	SP706EN	8 NSOIC	-40°C to +85°C

*5V, Microprocessor Supervisory Circuit*

MAX707CPA	SP707CP	8 PDIP	0°C to +70°C
MAX707CSA	SP707CN	8 NSOIC	0°C to +70°C
MAX707CUA	SP707CU	8 $\mu$ SOIC	0°C to +70°C
MAX707EPA	SP707EP	8 PDIP	-40°C to +85°C
MAX707ESA	SP707EN	8 NSOIC	-40°C to +85°C

*5V, Microprocessor Supervisory Circuit*

MAX708CPA	SP708CP	8 PDIP	0°C to +70°C
MAX708CSA	SP708CN	8 NSOIC	0°C to +70°C
MAX708CUA	SP708CU	8 $\mu$ SOIC	0°C to +70°C
MAX708EPA	SP708EP	8 PDIP	-40°C to +85°C
MAX708ESA	SP708EN	8 NSOIC	-40°C to +85°C

*5V, Microprocessor Supervisory Circuit*

MAX791CPE	SP791CP	16 PDIP	0°C to +70°C
MAX791CSE	SP791CN	16 NSOIC	0°C to +70°C
MAX791EPE	SP791EP	16 PDIP	-40°C to +85°C
MAX791ESE	SP791EN	16 NSOIC	-40°C to +85°C

*5V, Microprocessor Supervisory Circuit*

MAX802LCPA	SP802LCP	8 PDIP	0°C to +70°C
MAX802LCSA	SP802LCN	8 NSOIC	0°C to +70°C
MAX802LEPA	SP802LEP	8 PDIP	-40°C to +85°C
MAX802LESA	SP802LEN	8 NSOIC	-40°C to +85°C

*5V, Microprocessor Supervisory Circuit*

MAX802MCPA	SP802MCP	8 PDIP	0°C to +70°C
MAX802MCSA	SP802MCN	8 NSOIC	0°C to +70°C
MAX802MEPA	SP802MEP	8 PDIP	-40°C to +85°C
MAX802MESA	SP802MEN	8 NSOIC	-40°C to +85°C

*3V, Microprocessor Supervisory Circuit*

MAX802RCPA	SP802RCP	8 PDIP	0°C to +70°C
MAX802SCPA	SP802SCP	8 PDIP	0°C to +70°C
MAX802TCPA	SP802TCP	8 PDIP	0°C to +70°C
MAX802RCSA	SP802RCN	8 NSOIC	0°C to +70°C
MAX802SCSA	SP802SCN	8 NSOIC	0°C to +70°C
MAX802TCSA	SP802TCN	8 NSOIC	0°C to +70°C
MAX802REPA	SP802REP	8 PDIP	-40°C to +85°C
MAX802SEPA	SP802SEP	8 PDIP	-40°C to +85°C
MAX802TEPA	SP802TEP	8 PDIP	-40°C to +85°C
MAX802RESA	SP802REN	8 NSOIC	-40°C to +85°C
MAX802SESA	SP802SEN	8 NSOIC	-40°C to +85°C
MAX802TESA	SP802TEN	8 NSOIC	-40°C to +85°C

*3V, Microprocessor Supervisory Circuit*

MAX804RCPA	SP804RCP	8 PDIP	0°C to +70°C
MAX804SCPA	SP804SCP	8 PDIP	0°C to +70°C
MAX804TCPA	SP804TCP	8 PDIP	0°C to +70°C
MAX804RCSA	SP804RCN	8 NSOIC	0°C to +70°C
MAX804SCSA	SP804SCN	8 NSOIC	0°C to +70°C
MAX804TCSA	SP804TCN	8 NSOIC	0°C to +70°C
MAX804REPA	SP804REP	8 PDIP	-40°C to +85°C
MAX804SEPA	SP804SEP	8 PDIP	-40°C to +85°C
MAX804TEPA	SP804TEP	8 PDIP	-40°C to +85°C
MAX804RESA	SP804REN	8 NSOIC	-40°C to +85°C
MAX804SESA	SP804SEN	8 NSOIC	-40°C to +85°C
MAX804TESA	SP804TEN	8 NSOIC	-40°C to +85°C

*5V, Microprocessor Supervisory Circuit*

MAX805LCPA	SP805LCP	8 PDIP	0°C to +70°C
MAX805LCSA	SP805LCN	8 NSOIC	0°C to +70°C
MAX805LEPA	SP805LEP	8 PDIP	-40°C to +85°C
MAX805LESA	SP805LEN	8 NSOIC	-40°C to +85°C

*3V, Microprocessor Supervisory Circuit*

MAX805RCPA	SP805RCP	8 PDIP	0°C to +70°C
MAX805SCPA	SP805SCP	8 PDIP	0°C to +70°C
MAX805TCPA	SP805TCP	8 PDIP	0°C to +70°C
MAX805RCSA	SP805RCN	8 NSOIC	0°C to +70°C
MAX805SCSA	SP805SCN	8 NSOIC	0°C to +70°C
MAX805TCSA	SP805TCN	8 NSOIC	0°C to +70°C
MAX805REPA	SP805REP	8 PDIP	-40°C to +85°C
MAX805SEPA	SP805SEP	8 PDIP	-40°C to +85°C
MAX805TEPA	SP805TEP	8 PDIP	-40°C to +85°C
MAX805RESA	SP805REN	8 NSOIC	-40°C to +85°C
MAX805SESA	SP805SEN	8 NSOIC	-40°C to +85°C
MAX805TESA	SP805TEN	8 NSOIC	-40°C to +85°C

*5V, Microprocessor Supervisory Circuit*

MAX813LCPA	SP813LCP	8 PDIP	0°C to +70°C
MAX813LCSA	SP813LCN	8 NSOIC	0°C to +70°C
MAX813LCUA	SP813LCU	8 $\mu$ SOIC	0°C to +70°C
MAX813LEPA	SP813LEP	8 PDIP	-40°C to +85°C
MAX813LESA	SP813LEN	8 NSOIC	-40°C to +85°C

*Charge Pump Converters, Inverter*

MAX828EUK	SP828EK	SOT23-5	-40°C to +85°C
MAX829EUK	SP829EK	SOT23-5	-40°C to +85°C

*Enhanced Low Power Half-Duplex RS-485 Transceivers*

MAX1487CPA	SP485RCP	8 PDIP	0°C to +70°C
MAX1487CSA	SP485RCN	8 NSOIC	0°C to +70°C

• The SP485Rxx allows up to 256 RS-485 transceivers on one transmission line while the Maxim equivalent allows 128 only.

*True 3.0V to 5.5V RS-232, 2 Drivers, 2 Receivers, Shutdown*

MAX3222CAP	SP3222ECA	20 SSOP	0°C to +70°C
MAX3222CPN	SP3222ECP	18 PDIP	0°C to +70°C
MAX3222CWN	SP3222ECT	18 SOIC	0°C to +70°C

• The SP3222Exx series offers  $\pm 15$ KV ESD protection.

*True 3.0V to 5.5V RS-232, 2 Drivers, 2 Receivers, Auto-Online Circuitry*

MAX3223CAP	SP3223ECA	20 SSOP	0°C to +70°C
MAX3223CPP	SP3223ECP	20 PDIP	0°C to +70°C
• The SP3223Exx series offers $\pm 15$ KV ESD protection.			

*True 3.0V to 5.5V RS-232, 2 Drivers, 2 Receivers*

MAX3232CPE	SP3232ECP	16 PDIP	0°C to +70°C
MAX3232CWE	SP3232ECT	16 SOIC	0°C to +70°C
• The SP3232Exx series offers $\pm 15$ KV ESD protection.			

*True 3.0V to 5.5V RS-232, 3 Drivers, 5 Receivers, Auto-Online Circuitry*

MAX3243CAI	SP3243ECA	28 SSOP	0°C to +70°C
MAX3243CWI	SP3243ECT	28 SOIC	0°C to +70°C
• The SP3243Exx series offers $\pm 15$ KV ESD protection.			

*12-Bit Analog-to-Digital Converter, 25  $\mu$ Sec Conversion Time*

MX574AJN	SP574BJP	28 PDIP	0°C to +70°C
MX574AKN	SP574BKP	28 PDIP	0°C to +70°C
MX574AJCWI	SP574BJS	28 SOIC	0°C to +70°C
MX574AKCWI	SP574BKS	28 SOIC	0°C to +70°C
MX574AJP	SP574BJL	28 PLCC	0°C to +70°C
MX574AKP	SP574BKL	28 PLCC	0°C to +70°C
MX574AJEPI	SP574BAP	28 PDIP	-40°C to +85°C
MX574AKEPI	SP574BBP	28 PDIP	-40°C to +85°C
MX574AJEWI	SP574BAS	28 SOIC	-40°C to +85°C
MX574AKEWI	SP574BBS	28 SOIC	-40°C to +85°C
MX574ASQ	HS574AS	28 CDIP	-55°C to +125°C
MX574ATQ	HS574AT	28 CDIP	-55°C to +125°C
MX574AUQ	HS574AU	28 CDIP	-55°C to +125°C
MX574ASD	HS574AS	28 CDIP	-55°C to +125°C
MX574ATD	HS574AT	28 CDIP	-55°C to +125°C
MX574AUD	HS574AU	28 CDIP	-55°C to +125°C

*12-Bit Digital-to-Analog Converter, Current Output*

MX7541AJN	HS7541AJN	18 PDIP	0°C to +70°C
MX7541AKN	HS7541AKN	18 PDIP	0°C to +70°C
MX7541AJCWN	HS7541AJS	18 SOIC	0°C to +70°C
MX7541AKCWN	HS7541AKS	18 SOIC	0°C to +70°C
MX7545JN	SP7545HCN	20 PDIP	0°C to +70°C
MX7545KN	SP7545KCN	20 PDIP	0°C to +70°C

*12-Bit Analog-to-Digital Converter, 15 μSec Conversion Time*

MX674AJN	SP674BJP	28 PDIP	0°C to +70°C
MX674AKN	SP674BKP	28 PDIP	0°C to +70°C
MX674AJCWI	SP674BJS	28 SOIC	0°C to +70°C
MX674AKCWI	SP674BKS	28 SOIC	0°C to +70°C
MX674AJEPI	SP674BAP	28 PDIP	-40°C to +85°C
MX674AKEPI	SP674BBP	28 PDIP	-40°C to +85°C
MX674AJEWI	SP674BAS	28 SOIC	-40°C to +85°C
MX674AKEWI	SP674BBS	28 SOIC	-40°C to +85°C
MX674ASQ	SP674AS	28 CDIP	-55°C to +125°C
MX674ATQ	SP674AT	28 CDIP	-55°C to +125°C
MX674AUQ	SP674AU	28 CDIP	-55°C to +125°C
MX674ASD	SP674AS	28 CDIP	-55°C to +125°C
MX674ATD	SP674AT	28 CDIP	-55°C to +125°C
MX674AUD	SP674AU	28 CDIP	-55°C to +125°C

*Quad RS-485/RS-422 Line Receivers*

MC3486D	SP489CT	16 SOIC	0°C to +70°C
MC3486P	SP489CS	16 PDIP	0°C to +70°C
<ul style="list-style-type: none"> <li>The electrical specifications will vary since the SP48xxx series is RS-485 compliant while Motorola Semiconductor crosses are RS-422 compliant.</li> </ul>			

*Quad RS-485/RS-422 Line Drivers*

MC3487D	SP487CT	16 SOIC	0°C to +70°C
MC3487P	SP487CS	16 PDIP	0°C to +70°C
<ul style="list-style-type: none"> <li>The electrical specifications will vary since the SP48xxx series is RS-485 compliant while Motorola Semiconductor crosses are RS-422 compliant.</li> </ul>			

*Quad RS-485/RS-422 Line Drivers*

MC75172BP	SP486ES	16 PDIP	-40°C to +85°C
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*Quad RS-485/RS-422 Line Receivers*

SN75173N	SP488CS	16 PDIP	0°C to +70°C
SN75173D	SP488CT	16 SOIC	0°C to +70°C

*Quad RS-485/RS-422 Line Drivers*

MC75174BP	SP487ES	16 PDIP	-40°C to +85°C
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*Quad RS-485/RS-422 Line Receivers*

SN75175N	SP489CS	16 PDIP	0°C to +70°C
SN75175D	SP489CT	16 SOIC	0°C to +70°C

5V Only RS-232, 2 Drivers, 2 Receivers

DS14C232CN	SP232ACP	16 PDIP	0°C to +70°C
	SP232ECP	16 PDIP	0°C to +70°C
DS14C232CM	SP232ACN	16 NSOIC	0°C to +70°C
	SP232ECN	16 NSOIC	0°C to +70°C
DS14C232CWM	SP232ACT	16 SOIC	0°C to +70°C
	SP232ECT	16 SOIC	0°C to +70°C
DS14C232TN	SP232AEP	16 PDIP	-40°C to +85°C
	SP232EEP	16 PDIP	-40°C to +85°C
DS14C232TM	SP232AEN	16 NSOIC	-40°C to +85°C
	SP232EEN	16 NSOIC	-40°C to +85°C
DS14C232TWM	SP232AET	16 SOIC	-40°C to +85°C
	SP232EET	16 SOIC	-40°C to +85°C

• The SP232Exx series offers  $\pm 15$ KV ESD protection.

5V Only RS-232, 5 Drivers, 3 Receivers

DS14C237WM	SP237ACT	24 SOIC	0°C to +70°C
	SP207CT	24 SOIC	0°C to +70°C
	SP207HCT	24 SOIC	0°C to +70°C
	SP207ECT	24 SOIC	0°C to +70°C
DS14C237TWM	SP237AET	24 SOIC	-40°C to +85°C
	SP207ET	24 SOIC	-40°C to +85°C
	SP207HET	24 SOIC	-40°C to +85°C
	SP207EET	24 SOIC	-40°C to +85°C

• The SP207xx and the SP207Hxx series are pin for pin enhanced versions of the SP237Axx series: enhancements offer  $\pm 10$ KV ESD protection and the use of 0.1 $\mu$ F charge pump capacitors.  
 • The SP207xx and the SP207Exx series have higher data rates of at least 120Kbps.  
 • The SP207Hxx series has higher data rates of at least 400Kbps.  
 • The SP207Exx series offers  $\pm 15$ KV ESD protection.

5V Only RS-232, 4 Drivers, 4 Receivers

DS14C238WM	SP238ACT	24 SOIC	0°C to +70°C
	SP208CT	24 SOIC	0°C to +70°C
	SP208ECT	24 SOIC	0°C to +70°C
DS14C238TWM	SP238AET	24 SOIC	-40°C to +85°C
	SP208ET	24 SOIC	-40°C to +85°C
	SP208EET	24 SOIC	-40°C to +85°C

• The SP208xx series is a pin for pin enhanced version of the SP238Axx series: enhancements offer  $\pm 10$ KV ESD protection, the use of 0.1 $\mu$ F charge pump capacitors, and higher data rates of at least 120Kbps.  
 • The SP208Exx series offers  $\pm 15$ KV ESD protection.

5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state

DS14C241WM	SP241ACT	28 SOIC	0°C to +70°C
	SP211CT	28 SOIC	0°C to +70°C
	SP211HCT	28 SOIC	0°C to +70°C
	SP211ECT	28 SOIC	0°C to +70°C
DS14C241TWM	SP241AET	28 SOIC	-40°C to +85°C
	SP211ET	28 SOIC	-40°C to +85°C
	SP211HET	28 SOIC	-40°C to +85°C
	SP211EET	28 SOIC	-40°C to +85°C

- The SP211xx and the SP211Hxx series are pin for pin enhanced versions of the SP241Axx series: enhancements offer  $\pm 10$ KV ESD protection and the use of 0.1 $\mu$ F charge pump capacitors.
- The SP211xx series has higher data rates of at least 120Kbps.
- The SP211Hxx series has higher data rates of at least 400Kbps.
- The SP211Exx series offers  $\pm 15$ KV ESD protection.

5V Only RS-232, 2 Drivers, 2 Receivers

DS14C232CN	SP232ACP	16 PDIP	0°C to +70°C
	SP232ECP	16 PDIP	0°C to +70°C
DS14C232CM	SP232ACN	16 NSOIC	0°C to +70°C
	SP232ECN	16 NSOIC	0°C to +70°C
DS14C232CWM	SP232ACT	16 SOIC	0°C to +70°C
	SP232ECT	16 SOIC	0°C to +70°C
DS14C232TN	SP232AEP	16 PDIP	-40°C to +85°C
	SP232EEP	16 PDIP	-40°C to +85°C
DS14C232TM	SP232AEN	16 NSOIC	-40°C to +85°C
	SP232EEN	16 NSOIC	-40°C to +85°C
DS14C232TWM	SP232AET	16 SOIC	-40°C to +85°C
	SP232EET	16 SOIC	-40°C to +85°C

- The SP232Exx series offers  $\pm 15$ KV ESD protection.

5V Only RS-232, 5 Drivers, 3 Receivers

DS14C237WM	SP237ACT	24 SOIC	0°C to +70°C
	SP207CT	24 SOIC	0°C to +70°C
	SP207HCT	24 SOIC	0°C to +70°C
	SP207ECT	24 SOIC	0°C to +70°C
DS14C237TWM	SP237AET	24 SOIC	-40°C to +85°C
	SP207ET	24 SOIC	-40°C to +85°C
	SP207HET	24 SOIC	-40°C to +85°C
	SP207EET	24 SOIC	-40°C to +85°C

- The SP207xx and the SP207Hxx series are pin for pin enhanced versions of the SP237Axx series: enhancements offer  $\pm 10$ KV ESD protection and the use of 0.1 $\mu$ F charge pump capacitors.
- The SP207xx and the SP207Exx series have higher data rates of at least 120Kbps.
- The SP207Hxx series has higher data rates of at least 400Kbps.
- The SP207E series offers  $\pm 15$ KV ESD protection.

5V Only RS-232, 4 Drivers, 4 Receivers

DS14C238WM	SP238ACT	24 SOIC	0°C to +70°C
	SP208CT	24 SOIC	0°C to +70°C
	SP208ECT	24 SOIC	0°C to +70°C
DS14C238TWM	SP238AET	24 SOIC	-40°C to +85°C
	SP208ET	24 SOIC	-40°C to +85°C
	SP208EET	24 SOIC	-40°C to +85°C

- The SP208xxseries is a pin for pin enhanced versions of the SP238Axx series: enhancements offer  $\pm 10$ KV ESD protection, the use of 0.1 $\mu$ F charge pump capacitors, and higher data rates of at least 120Kbps.
- The SP208Exx series offers  $\pm 15$ KV ESD protection.

5V Only RS-232, 4 Drivers, 5 Receivers, Shutdown, Tri-state

DS14C241WM	SP241ACT	28 SOIC	0°C to +70°C
	SP211CT	28 SOIC	0°C to +70°C
	SP211HCT	28 SOIC	0°C to +70°C
	SP211ECT	28 SOIC	0°C to +70°C
DS14C241TWM	SP241AET	28 SOIC	-40°C to +85°C
	SP211ET	28 SOIC	-40°C to +85°C
	SP211HET	28 SOIC	-40°C to +85°C
	SP211EET	28 SOIC	-40°C to +85°C

- The SP211xx and the SP211Hxx series are pin for pin enhanced versions of the SP241Axx series: enhancements offer  $\pm 10$ KV ESD protection and the use of 0.1 $\mu$ F charge pump capacitors.
- The SP211xx series has higher data rates of at least 120Kbps.
- The SP211Hxx series has higher data rates of at least 400Kbps.
- The SP211Exx series offers  $\pm 15$ KV ESD protection.

*High Speed Quad RS-422 Differential Line Driver*

DS26C31TM	SP431CN	16 NSOIC	0°C to +70°C
DS26C31TN	SP431CP	16 PDIP	0°C to +70°C
DS26LS31TM	SP431CN	16 NSOIC	0°C to +70°C
DS26LS31TN	SP431CP	16 PDIP	0°C to +70°C

*High Speed Quad RS-422 Differential Line Receiver*

DS26C32ATM	SP432CN	16 NSOIC	0°C to +70°C
DS26C32ATN	SP432CP	16 PDIP	0°C to +70°C
DS26LS32ATM	SP432CN	16 NSOIC	0°C to +70°C
DS26LS32ATN	SP432CP	16 PDIP	0°C to +70°C

*Quad RS-485 Receivers, Dual Enable, 5Mbps*

DS3486M	SP489CT	16 SOIC	0°C to +70°C
DS3486N	SP489CS	16 PDIP	0°C to +70°C

- The electrical specifications will vary since the SP48xxx series is RS-485 compliant while National Semiconductor crosses are RS-422 compliant.

*Half Duplex RS-485 Transceiver, 5Mbps*

DS3695N	SP485CS	8 PDIP	0°C to +70°C
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*Low Power Half-Duplex RS-485 Transceivers*

DS75176BN	SP481CS	8 PDIP	0°C to +70°C
	SP481ECP	8 PDIP	0°C to +70°C
	SP485CS	8 PDIP	0°C to +70°C
	SP485RCP	8 PDIP	0°C to +70°C
	SP485ECP	8 PDIP	0°C to +70°C
DS75176BM	SP481CN	8 SOIC	0°C to +70°C
	SP481ECN	8 NSOIC	0°C to +70°C
	SP485CN	8 SOIC	0°C to +70°C
	SP485RCN	8 SOIC	0°C to +70°C
	SP485ECN	8 NSOIC	0°C to +70°C
DS75176BTN	SP481ES	8 PDIP	-40°C to +85°C
	SP481EEP	8 PDIP	-40°C to +85°C
	SP485ES	8 PDIP	-40°C to +85°C
	SP485EEP	8 PDIP	-40°C to +85°C
DS75176BTM	SP481EN	8 SOIC	-40°C to +85°C
	SP481EEN	8 NSOIC	-40°C to +85°C
	SP485EN	8 SOIC	-40°C to +85°C
	SP485EEN	8 NSOIC	-40°C to +85°C

- The SP481xx series has a low power shutdown mode.
- The SP485Rxx series allows 256 transceivers per transmission line.
- Both the SP481Exx and the SP485Exx series offer  $\pm 15\text{KV}$  ESD protection.

*Quad RS-485 Drivers, Common Enable*

DS96172CN	SP486CS	16 PDIP	0°C to +70°C
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*Quad RS-485 Receivers, Common Enable*

DS96173CN	SP488CS	16 PDIP	0°C to +70°C
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*Quad RS-485 Drivers, Dual Enable*

DS96174CN	SP487CS	16 PDIP	0°C to +70°C
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*Quad RS-485 Drivers, Dual Enable*

DS96175CN	SP489CS	16 PDIP	0°C to +70°C
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*Charge Pump Converters, Inverter*

LM828M5	SP828	SOT23-5	-40°C to +85°C
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*Universal Serial Bus Transceivers*

PDIUSBP11D	SP5301CN	14 NSOIC	0°C to +70°C
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*Charge Pump Converters, Doubling Inverter*

TC682CPA	SP682CP	8 PDIP	0°C to +70°C
TC682COA	SP682CN	8 SOIC	0°C to +70°C
TC682EPA	SP682EP	8 PDIP	-40°C to +85°C
TC682EOA	SP682EN	8 SOIC	-40°C to +85°C

*Charge Pump Converters, Inverter*

TCM828ECT	SP828EK	SOT23-5	-40°C to +85°C
TCM829ECT	SP829EK	SOT23-5	-40°C to +85°C

*Enhanced RS-232 Line Drivers/Receivers*

MAX232D	SP232ACN	16 NSOIC	0°C to +70°C
	SP232ECN	16 NSOIC	0°C to +70°C
MAX232N	SP232ACP	16 PDIP	0°C to +70°C
	SP232ECP	16 PDIP	0°C to +70°C

- The SP232Exx series offers  $\pm 15$ KV ESD protection.

*Quad RS-485/RS-422 Line Receivers*

MC3486N	SP489CS	16 PDIP	0°C to +70°C
MC3486D	SP489CT	16 SOIC	0°C to +70°C

- The electrical specifications will vary since the SP48xxx series is RS-485 compliant while the Texas Instruments crosses are RS-422 compliant.

*Quad RS-485/RS-422 Line Drivers*

MC3487N	SP487CS	16 PDIP	0°C to +70°C
MC3487D	SP487CT	16 SOIC	0°C to +70°C

- The electrical specifications will vary since the SP48xxx series is RS-485 compliant while the Texas Instruments crosses are RS-422 compliant.

*Full Duplex RS-485 Transceivers*

SN65ALS180D	SP491EN	8 NSOIC	-40°C to +85°C
SN65ALS180N	SP491ES	8 PDIP	-40°C to +85°C

- The SP491xx series allows 256 transceivers per transmission line and has a Driver output skew of 5ns and a Receiver output skew of 10ns.

*Enhanced Low Power Half-Duplex RS-485 Transceivers*

SN75ALS176D	SP485RCN	8 NSOIC	0°C to +70°C
SN75ALS176P	SP485RCP	8 PDIP	0°C to +70°C
SN75ALS176AD	SP485RCN	8 NSOIC	0°C to +70°C
SN75ALS176AP	SP485RCP	8 PDIP	0°C to +70°C
SN75ALS176BD	SP485RCN	8 NSOIC	0°C to +70°C
SN75ALS176BP	SP485RCP	8 PDIP	0°C to +70°C

- The SP485Rxx series allows 256 transceivers per transmission line and has a Driver output skew of 5ns and a Receiver output skew of 10ns.

*Full Duplex RS-485 Transceivers*

SN75ALS180D	SP491CN	8 NSOIC	0°C to +70°C
	SP491ECN	14 NSOIC	0°C to +70°C
SN75ALS180N	SP491CS	8 PDIP	0°C to +70°C
	SP491ECP	14 PDIP	0°C to +70°C

- The SP491Exx series offers  $\pm 15$ KV ESD protection.

*Low Power Half-Duplex RS-485 Transceivers*

SN65176BD	SP481EN	8 NSOIC	-40°C to +85°C
	SP481EEN	8 NSOIC	-40°C to +85°C
	SP485EN	8 NSOIC	-40°C to +85°C
	SP485EEN	8 NSOIC	-40°C to +85°C
SN65176BP	SP481ES	8 PDIP	-40°C to +85°C
	SP481EEP	8 PDIP	-40°C to +85°C
	SP485ES	8 PDIP	-40°C to +85°C
	SP485EEP	8 PDIP	-40°C to +85°C

- The SP481xx and SP481Exx series have a low power shutdown mode.
- The SP481xx, the SP485xx, SP481Exx, and the SP485Exx series do not have a thermal shutdown feature.
- Both the SP481Exx and the SP485Exx series offer  $\pm 15$ KV ESD protection.

*Quad RS-485/RS-422 Line Drivers*

SN75172DW	SP486CT	16 SOIC	0°C to +70°C
SN75172N	SP486CS	16 PDIP	0°C to +70°C

*Quad RS-485/RS-422 Line Receivers*

SN75173D	SP488CT	16 SOIC	0°C to +70°C
SN75173N	SP488CS	16 PDIP	0°C to +70°C

*Quad RS-485/RS-422 Line Drivers*

SN75174DW	SP487CT	16 SOIC	0°C to +70°C
SN75174N	SP487CS	16 PDIP	0°C to +70°C

*Quad RS-485/RS-422 Line Receivers*

SN75175D	SP489CT	16 SOIC	0°C to +70°C
SN75175N	SP489CS	16 PDIP	0°C to +70°C

*Low Power Half-Duplex RS-485 Transceivers*

SN75176BD	SP481CN	8 NSOIC	0°C to +70°C
	SP481ECN	8 NSOIC	0°C to +70°C
	SP485CN	8 NSOIC	0°C to +70°C
	SP485RCN	8 NSOIC	0°C to +70°C
	SP485ECN	8 NSOIC	0°C to +70°C
SN75176BP	SP481CS	8 PDIP	0°C to +70°C
	SP481ECP	8 PDIP	0°C to +70°C
	SP485CS	8 PDIP	0°C to +70°C
	SP485RCP	8 PDIP	0°C to +70°C
	SP485ECP	8 PDIP	0°C to +70°C
SN75176AD	SP481CN	8 NSOIC	0°C to +70°C
	SP481ECN	8 NSOIC	0°C to +70°C
	SP485CN	8 NSOIC	0°C to +70°C
	SP485RCN	8 NSOIC	0°C to +70°C
	SP485ECN	8 NSOIC	0°C to +70°C
SN75176AP	SP481CS	8 PDIP	0°C to +70°C
	SP481ECS	8 PDIP	0°C to +70°C
	SP485CS	8 PDIP	0°C to +70°C
	SP485RCP	8 PDIP	0°C to +70°C
	SP485ECS	8 PDIP	0°C to +70°C

- The SP481xx and SP481Exx series have a low power shutdown mode.
- The SP481xx, the SP485xx, SP481Exx, the SP485Exx, and the SP485Rxx series do not have a thermal shutdown feature.
- The SP485Rxx series allows 256 transceivers per transmission line.
- Both the SP481Exx and the SP485Exx series offer  $\pm 15$ KV ESD protection.

*Full Duplex RS-485 Transceivers*

SN75179BD	SP490CN	8 NSOIC	0°C to +70°C
	SP490ECN	8 NSOIC	0°C to +70°C
SN75179BP	SP490CS	8 PDIP	0°C to +70°C
	SP490ECP	8 PDIP	0°C to +70°C

- The SP490Exx series offers  $\pm 15$ KV ESD protection.

*Enhanced Low Power Half-Duplex RS-485 Transceivers*

TL3695D	SP485RCN	8 NSOIC	0°C to +70°C
	SP485CN	8 NSOIC	0°C to +70°C
	SP485ECN	8 NSOIC	0°C to +70°C
TL3695P	SP485RCP	8 PDIP	0°C to +70°C
	SP485CS	8 PDIP	0°C to +70°C
	SP485ECP	8 PDIP	0°C to +70°C

- The SP485Rxx series allows 256 transceivers per transmission line and has a Driver output skew of 5ns and a Receiver output skew of 10ns.
- The SP485Exx series offers  $\pm 15$ KV ESD protection.