



## Recommended Upgrades for Obsolete Parts

March 15, 2006

Obsolete P/N	Recommended Replacement	Pin Compatible?	Functional Differences
SP301CS	SP331CT	N	Onboard charge pump
SP301CT	SP331CT	N	Onboard charge pump
SP301ES	SP331ET	N	Onboard charge pump
SP301ET	SP331ET	N	Onboard charge pump
SP302CT	SP332CT	N	Onboard charge pump
SP303CT	SP332CT	N	Onboard charge pump
SP304CS	SP334CT	N	Onboard charge pump
SP304CT	SP334CT	N	Onboard charge pump
SP304ES	SP334ET	N	Onboard charge pump
SP304ET	SP334ET	N	Onboard charge pump
SP306CT	SP332CT	N	Onboard charge pump
SP306ET	SP332ET	N	Onboard charge pump
SP319CF	SP320ACF	Y	10Mbps
SP319CF-L	SP320ACF-L	Y	10Mbps
SP3222EHCA	SP3222EUCA	Y	faster data rate
SP3222EHCA-L	SP3222EUCA-L	Y	faster data rate
SP3222EHCP	SP3222EUCP	Y	faster data rate
SP3222EHCP-L	SP3222EUCP-L	Y	faster data rate
SP3222EHCT	SP3222EUCT	Y	faster data rate
SP3222EHCT-L	SP3222EUCT-L	Y	faster data rate
SP3222EHCY	SP3222EUCY	Y	faster data rate
SP3222EHCY-L	SP3222EUCY-L	Y	faster data rate
SP3222EHEA	SP3222EUCA	Y	faster data rate
SP3222EHEA-L	SP3222EUCA-L	Y	faster data rate
SP3222EHEP	SP3222EUCP	Y	faster data rate
SP3222EHEP-L	SP3222EUCP-L	Y	faster data rate
SP3222EHET	SP3222EUCT	Y	faster data rate
SP3222EHET-L	SP3222EUCT-L	Y	faster data rate
SP3222EHEY	SP3222EUCY	Y	faster data rate
SP3222EHEY-L	SP3222EUCY-L	Y	faster data rate
SP3222HCA	SP3222EUCA	Y	faster data rate, 15kV
SP3222HCA-L	SP3222EUCA-L	Y	faster data rate, 15kV
SP3222HCP	SP3222EUCP	Y	faster data rate, 15kV
SP3222HCP-L	SP3222EUCP-L	Y	faster data rate, 15kV
SP3222HCT	SP3222EUCT	Y	faster data rate, 15kV
SP3222HCT-L	SP3222EUCT-L	Y	faster data rate, 15kV
SP3222HCY	SP3222EUCY	Y	faster data rate, 15kV
SP3222HCY-L	SP3222EUCY-L	Y	faster data rate, 15kV
SP3222HEA	SP3222EUCA	Y	faster data rate, 15kV
SP3222HEA-L	SP3222EUCA-L	Y	faster data rate, 15kV
SP3222HEP	SP3222EUCP	Y	faster data rate, 15kV
SP3222HEP-L	SP3222EUCP-L	Y	faster data rate, 15kV
SP3222HET	SP3222EUCT	Y	faster data rate, 15kV
SP3222HET-L	SP3222EUCT-L	Y	faster data rate, 15kV
SP3222HEY	SP3222EUCY	Y	faster data rate, 15kV
SP3222HEY-L	SP3222EUCY-L	Y	faster data rate, 15kV
SP3238EECA	SP3238ECA	Y	2kV ESD on TTL pins
SP3238EECA-L	SP3238ECA-L	Y	2kV ESD on TTL pins
SP3238EECY	SP3238ECY	Y	2kV ESD on TTL pins
SP3238EECY-L	SP3238ECY-L	Y	2kV ESD on TTL pins
SP3238EEEA	SP3238EEA	Y	2kV ESD on TTL pins
SP3238EEEA-L	SP3238EEA-L	Y	2kV ESD on TTL pins
SP3238EEEY	SP3238EEY	Y	2kV ESD on TTL pins
SP3238EEEY-L	SP3238EEY-L	Y	2kV ESD on TTL pins



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SP3281BCA	SP3238ECA	1-pin diff	VL pin
SP3281BCA-L	SP3238ECA-L	1-pin diff	VL pin
SP3281BCY	SP3238ECY	1-pin diff	VL pin
SP3281BCY-L	SP3238ECY-L	1-pin diff	VL pin
SP3281BEA	SP3238EEA	1-pin diff	VL pin
SP3281BEA-L	SP3238EEA-L	1-pin diff	VL pin
SP3281BEY	SP3238EEY	1-pin diff	VL pin
SP3281BEY-L	SP3238EEY-L	1-pin diff	VL pin
SP3281EBCA	SP3238ECA	1-pin diff	VL pin
SP3281EBCA-L	SP3238ECA-L	1-pin diff	VL pin
SP3281EBCY	SP3238ECY	1-pin diff	VL pin
SP3281EBCY-L	SP3238ECY-L	1-pin diff	VL pin
SP3281EBEA	SP3238EEA	1-pin diff	VL pin
SP3281EBEA-L	SP3238EEA-L	1-pin diff	VL pin
SP3281EBEY	SP3238EEY	1-pin diff	VL pin
SP3281EBEY-L	SP3238EEY-L	1-pin diff	VL pin
SP3281EUCA	SP3238ECA	1-pin diff	VL pin
SP3281EUCA-L	SP3238ECA-L	1-pin diff	VL pin
SP3281EUCY	SP3238ECY	1-pin diff	VL pin
SP3281EUCY-L	SP3238ECY-L	1-pin diff	VL pin
SP3281EUEA	SP3238EEA	1-pin diff	VL pin
SP3281EUEA-L	SP3238EEA-L	1-pin diff	VL pin
SP3281EUEY	SP3238EEY	1-pin diff	VL pin
SP3281EUEY-L	SP3238EEY-L	1-pin diff	VL pin
SP3281UCA	SP3238ECA	1-pin diff	VL pin
SP3281UCA-L	SP3238ECA-L	1-pin diff	VL pin
SP3281UCY	SP3238ECY	1-pin diff	VL pin
SP3281UCY-L	SP3238ECY-L	1-pin diff	VL pin
SP3281UEA	SP3238EEA	1-pin diff	VL pin
SP3281UEA-L	SP3238EEA-L	1-pin diff	VL pin
SP3281UEY	SP3238EEY	1-pin diff	VL pin
SP3281UEY-L	SP3238EEY-L	1-pin diff	VL pin
SP3282EBCA	SP3238ECA	1-pin diff	VL pin
SP3282EBCA-L	SP3238ECA-L	1-pin diff	VL pin
SP3282EBCY	SP3238ECY	1-pin diff	VL pin
SP3282EBCY-L	SP3238ECY-L	1-pin diff	VL pin
SP3282EBEA	SP3238EEA	1-pin diff	VL pin
SP3282EBEA-L	SP3238EEA-L	1-pin diff	VL pin
SP3282EBEY	SP3238EEY	1-pin diff	VL pin
SP3282EBEY-L	SP3238EEY-L	1-pin diff	VL pin
SP3282EUCA	SP3238ECA	1-pin diff	VL pin
SP3282EUCA-L	SP3238ECA-L	1-pin diff	VL pin
SP3282EUCY	SP3238ECY	1-pin diff	VL pin
SP3282EUCY-L	SP3238ECY-L	1-pin diff	VL pin
SP3282EUEA	SP3238EEA	1-pin diff	VL pin
SP3282EUEA-L	SP3238EEA-L	1-pin diff	VL pin
SP3282EUEY	SP3238EEY	1-pin diff	VL pin
SP3282EUEY-L	SP3238EEY-L	1-pin diff	VL pin
SP333CT	SP334CT	similar	
SP333CT-L	SP334CT-L	similar	
SP333ET	SP334ET	similar	
SP333ET-L	SP334ET-L	similar	



**Recommended Upgrades  
for Obsolete Parts**

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Obsolete P/N	Recommended Replacement	Pin Compatible?	Functional Differences
SP3486CP	SP486CS	Y	5V
SP3486CP-L	SP486CS-L	Y	5V
SP3486CT	SP486CT	Y	5V
SP3486CT-L	SP486CT-L	Y	5V
SP3486EP	SP486ES	Y	5V
SP3486EP-L	SP486ES-L	Y	5V
SP3486ET	SP486ET	Y	5V
SP3486ET-L	SP486ET-L	Y	5V
SP3487CP	SP487CS	Y	5V
SP3487CP-L	SP487CS-L	Y	5V
SP3487CT	SP487CT	Y	5V
SP3487CT-L	SP487CT-L	Y	5V
SP3487EP	SP487ES	Y	5V
SP3487EP-L	SP487ES-L	Y	5V
SP3487ET	SP487ET	Y	5V
SP3487ET-L	SP487ET-L	Y	5V
SP385CA-1	SP385ECA	Y	RS562
SP385CA-1-L	SP385ECA-L	Y	RS562
SP385CT-1	SP385ECT	Y	RS562
SP385CT-1-L	SP385ECT-L	Y	RS562
SP385EA-1	SP385EEA	Y	RS562
SP385EA-1-L	SP385EEA-L	Y	RS562
SP385ECA-1	SP385ECA	Y	RS562
SP385ECA-1-L	SP385ECA-L	Y	RS562
SP385ECT-1	SP385ECT	Y	RS562
SP385ECT-1-L	SP385ECT-L	Y	RS562
SP385EEA-1	SP385EEA	Y	RS562
SP385EEA-1-L	SP385EEA-L	Y	RS562
SP385EET-1	SP385EET	Y	RS562
SP385EET-1-L	SP385EET-L	Y	RS562
SP385ET-1	SP385EET	Y	RS562
SP385ET-1-L	SP385EET-L	Y	RS562
SP481RCN	SP485RCN	Y	shutdown mode
SP481RCN-L	SP485RCN-L	Y	shutdown mode
SP481RCP	SP485RCP	Y	shutdown mode
SP481RCP-L	SP485RCP-L	Y	shutdown mode
SP481REN	SP485REN	Y	shutdown mode
SP481REN-L	SP485REN-L	Y	shutdown mode
SP481REP	SP485REP	Y	shutdown mode
SP481REP-L	SP485REP-L	Y	shutdown mode
SP486ECA	SP486CT	N	2Kv ESD
SP486ECA-L	SP486CT-L	N	2Kv ESD
SP486ECP	SP486CS	Y	2Kv ESD
SP486ECP-L	SP486CS-L	Y	2Kv ESD
SP486ECT	SP486CT	Y	2Kv ESD
SP486ECT-L	SP486CT-L	Y	2Kv ESD
SP486EEA	SP486ET	N	2Kv ESD
SP486EEA-L	SP486ET-L	N	2Kv ESD
SP486EEP	SP486ES	Y	2Kv ESD
SP486EEP-L	SP486ES-L	Y	2Kv ESD
SP486EET	SP486ET	Y	2Kv ESD
SP486EET-L	SP486ET-L	Y	2Kv ESD
SP487ECP	SP487CS	Y	2Kv ESD
SP487ECP-L	SP487CS-L	Y	2Kv ESD
SP487ECT	SP487CT	Y	2Kv ESD
SP487ECT-L	SP487CT-L	Y	2Kv ESD
SP487EEP	SP487ES	Y	2Kv ESD
SP487EEP-L	SP487ES-L	Y	2Kv ESD
SP487EET	SP487ET	Y	2Kv ESD
SP487EET-L	SP487ET-L	Y	2Kv ESD
SP488ECP	SP488CS	Y	2Kv ESD
SP488ECP-L	SP488CS-L	Y	2Kv ESD
SP488ECT	SP488CT	Y	2Kv ESD
SP488ECT-L	SP488CT-L	Y	2Kv ESD
SP488EEP	SP488ES	Y	2Kv ESD
SP488EEP-L	SP488ES-L	Y	2Kv ESD
SP488EET	SP488ET	Y	2Kv ESD
SP488EET-L	SP488ET-L	Y	2Kv ESD



**Recommended Upgrades  
for Obsolete Parts**

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Obsolete P/N	Recommended Replacement	Pin Compatible?	Functional Differences
SP489ECN	SP489CT	N	2Kv ESD
SP489ECN-L	SP489CT-L	N	2Kv ESD
SP489ECP	SP489CS	Y	2Kv ESD
SP489ECP-L	SP489CS-L	Y	2Kv ESD
SP489ECT	SP489CT	Y	2Kv ESD
SP489ECT-L	SP489CT-L	Y	2Kv ESD
SP489EEN	SP489ET	N	2Kv ESD
SP489EEN-L	SP489ET-L	N	2Kv ESD
SP489EEP	SP489ES	Y	2Kv ESD
SP489EEP-L	SP489ES-L	Y	2Kv ESD
SP489EET	SP489ET	Y	2Kv ESD
SP489EET-L	SP489ET-L	Y	2Kv ESD
SP495CT	N/A		
SP495CT	N/A		
SP495CT-L	N/A		
SP495CT-L	N/A		
SP495ET	N/A		
SP495ET-L	N/A		
SP502CF	SP503CF	Y	Upgrade
SP502CM	SP503CF	Y	Upgrade, minor pkg diff
SP503CM	SP503CF		Minor package diff
SP516CF	SP506CF	Y	Minor parametric diff
SP522CA	N/A		
SP522CA-L	N/A		
SP522CT	N/A		
SP522CT-L	N/A		
SP522ET	N/A		
SP522ET-L	N/A		
SP524CF	N/A		
SP524CF-L	N/A		
SP524CM	N/A		
SP524CM-L	N/A		
SP3488CP	SP488CS	Y	5V
SP3488CP-L	SP488CS-L	Y	5V
SP3488CT	SP488CT	Y	5V
SP3488CT-L	SP488CT-L	Y	5V
SP3488ECT	SP488CT	Y	5V
SP3488ECT-L	SP488CT-L	Y	5V
SP3488EET	SP488ET	Y	5V
SP3488EET-L	SP488ET-L	Y	5V
SP3488EP	SP488ES	Y	5V
SP3488EP-L	SP488ES-L	Y	5V
SP3488ET	SP488ET	Y	5V
SP3488ET-L	SP488ET-L	Y	5V
SP3489CP	SP489CS	Y	5V
SP3489CP-L	SP489CS-L	Y	5V
SP3489CT	SP489CT	Y	5V
SP3489CT-L	SP489CT-L	Y	5V
SP3489ECP	SP489CS	Y	5V
SP3489ECP-L	SP489CS-L	Y	5V
SP3489ECT	SP489CT	Y	5V
SP3489ECT-L	SP489CT-L	Y	5V
SP3489EEP	SP489ES	Y	5V
SP3489EEP-L	SP489ES-L	Y	5V
SP3489EET	SP489ET	Y	5V
SP3489EET-L	SP489ET-L	Y	5V
SP3489EP	SP489ES	Y	5V
SP3489EP-L	SP489ES-L	Y	5V
SP3489ET	SP489ET	Y	5V
SP3489ET-L	SP489ET-L	Y	5V