



## Voltage Protection

Product	Compliance	Status	Description	V <sub>CC</sub> Min (V)	V <sub>CC</sub> Max (V)	P <sub>(AV)</sub> Max (W)	V <sub>IT</sub> Typ (V)	V <sub>IT</sub> Typ (V)	I <sub>DDH</sub> Max (uA)	T <sub>A</sub> Min (°C)	T <sub>A</sub> Max (°C)	Package Type
LC05132C01NMT	Pb-free	Active <small>NEW</small>	Battery Protection Controller with Integrated MOSFET, 1-Cell Lithium-Ion	2	5	0.45			6	-40	100	WDFN-6 Dual Flag
	Halide free											
NCP367	Pb-free	Active <small>NEW</small>	Overvoltage Protector with OCP and V <sub>BAT</sub> Detect	1.2	28	0.3; 0.9	5.85; 6.07; 6.84; 7.2	5.75; 5.97; 6.74; 7.1	130	-40	85	DFN-8
	Halide free											
NCP392D	Pb-free	Active <small>NEW</small>	Adjustable front end Overvoltage Protection Controller with /ACOK digital output and 100 V surge protection compliance	2.8	28	1	6.8	6.63	100	-40	85	WLCSP-12
	Halide free											
LC05111CMT	Pb-free	Active	Battery Protection Controller with Integrated MOSFET, 1-Cell Lithium-Ion	2	5	0.35			6	-40	85	WDFN-6 Dual Flag
	Halide free											
LC05112CMT	Pb-free	Active	Battery Protection Controller with Integrated MOSFET, 1-Cell Lithium-Ion	2	5	0.35			6	-40	85	WDFN-6 Dual Flag
	Halide free											
LC05132C01MT	Pb-free	Active	Battery Protection Controller with Integrated MOSFET, 1-Cell Lithium-Ion	2	5	0.45			6	-40	100	WDFN-6 Dual Flag
	Halide free											
NCP347	Pb-free	Active	Positive Overvoltage Protection Circuit with Internal Low R <sub>ON</sub> NMOS FET and Status Flag	1.2	28	0.44	5.63	2.95	250	-40	85	WDFN-10
	Halide free											
NCP348	Pb-free	Active	Positive Overvoltage Protection Circuit with Internal Low R <sub>ON</sub> NMOS FET and Status Flag	1.2	28	0.48	6.02; 6.4	3.25	250	-40	85	WDFN-10
	Halide free											
NCP349	Pb-free	Active	Positive Overvoltage Protection Circuit with Internal Low R <sub>ON</sub> NMOS FET	1.2	28	0.065	5.68; 6.02; 6.4; 6.85	2.95; 3.25	0.25	-40	85	DFN-6
	Halide free											
NCP360	Pb-free	Active	Overvoltage Protection Circuit, USB Positive, with Internal PMOS FET and Status Flag	1.2	20	0.3	5.675; 6.25; 7.07; 7.2	3	35	-40	85	UDFN-6 TSOP-5 / SOT-23-5
	Halide free											
	AEC Qualified											
	PPAP Capable											
NCP361	Pb-free	Active	Overvoltage Protection Circuit, USB Positive, with Internal PMOS FET and Overcurrent Protection	1.2	20	0.3	5.675	3	35	25	85	UDFN-6 TSOP-5 / SOT-23-5
	Halide free											
NCP370	Pb-free	Active	Full Overvoltage and Overcurrent Protection Circuit	-28	28	2.5	6.6	2.7	280	-40	85	LLGA-12
	Halide free											
NCP3712ASN	Pb-free	Active	Overvoltage Protected High Side Switch							-40	85	SC-74 TSOP-6
	Halide free											
	AEC Qualified											
	PPAP Capable											
NCP372	Pb-free	Active	Positive and Negative Overvoltage Protection Circuit	-30	30	0.45	6.3	2.7	260	-40	85	LLGA-12
	Halide free											
NCP373	Pb-free	Active	Voltage Protection, ±30 V, with Load Switch	1.2	30	0.8	5.77	5.705	315	-40	125	LLGA-12
	Halide free											
NCP374	Pb-free	Active	Overvoltage Up to +30 V and Down to -30 V with Load Switch Function	1.2	30	0.8	5.77	5.705	315	-40	85	TLLGA-12
	Halide free											
NCP391	AEC Qualified	Active	Positive Overvoltage Protection Controller with Internal Low RON NMOS FET	1.2	28	0.69	7.4	7.3	170	40	125	WLCSP-6
	Pb-free											
	Halide free											
NCP392A	Pb-free	Active	Adjustable front end Overvoltage Protection Controller with protected Vbus output and input spike up to 86 V compliant	2.8	+ 28	1	5.95	5.8	200	-40	85	WLCSP-12
	Halide free											
NCP392B	Pb-free	Active	Adjustable front end Overvoltage Protection Controller with protected Vbus output and input spike up to 100 V compliant	2.8	28	0.5	6	5.95	200	-40	85	WLCSP-12
	Halide free											
NCP392C	Pb-free	Active	Adjustable front end Overvoltage Protection Controller with /ACOK digital output and 100 V surge protection compliance	2.8	28	1	13.8; 15.5	13.5; 15.2	100	-40	85	WLCSP-12
	Halide free											