



电源管家，让设计更可靠

充电 | 升压 | 降压 | LDO | 过压/过流保护 | PMIC | 背光 | MOS | 功放

专注电源管理18年



微源半导体2023Q4产品手册

2023

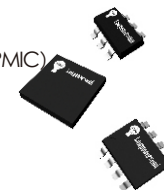


微源半导体在模拟芯片领域持续发展，现为下列领域客户提供优质的解决方案：

1. 消费类产品市场：Tablet, LCD TV, DSC, PMP, Game machine, Monitor, Handheld, Car Etec, Speaker, Bluetooth.
2. 通讯类产品市场：Smartphones, Wireless LAN/XDSL/Router
3. 电脑周边产品市场：notebooks, desktops, handheld computers, and peripherals such as CD/DVD ROMs, displays and disk drives
4. 穿戴式产品市场
5. 物联网产品市场

微源半导体在模拟芯片领域向客户提供下列产品线：

1. Battery charger(Fast Charger) ICs 电池充电芯片
2. BMS ICs 电池管理系统芯片
3. Boost ICs 升压芯片
4. Buck ICs 降压芯片
5. Power management ICs 电源管理芯片
6. OVP/OCPICs 过压/过流保护芯片
7. Backlight White-LED driver ICs LED驱动芯片
8. Panel Power solution Tcon 屏显示电源芯片 (PMIC)
9. Audio Amplifiers ICs 音频功放芯片
10. Mosfet 场效应管
11. MCU 嵌入式芯片 (8bit, 32bit 单片机)



微源半导体是行业领先的模拟芯片设计公司，持续专注以电源管理芯片为主的模拟芯片领域，全球布局研发中心和销售中心，致力于为客户提供完整的电源管理解决方案和技术服务。产品广泛应用于电池系统、显示系统、无线通讯系统和个人穿戴系统等3C市场相关产品。

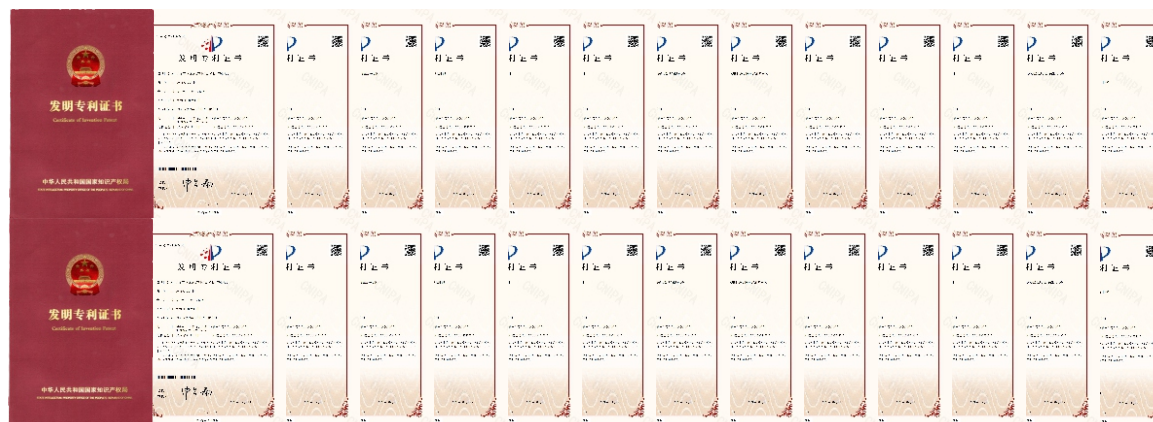
自成立以来，微源半导体快速成为行业领先的电源管理方案提供商，以上千种产品、超十亿颗级别使用量服务于上万家客户。微源始终坚持产品质量第一，持续高研发投入，致力于设计更可靠、品质更安全、交付更有保障，努力成为客户首选电源合作伙伴。

感谢你对微源半导体的关注与支持，我们将秉持“以产品创新驱动市场前进，以市场驱动产品创新”的理念，提升产品性能，降低产品成本，以更加本地化的技术服务和更短的交货周期服务于全球客户，坚持以“奋斗者为本，以想干事，能干事，干成事”的人才价值观，吸引全球优秀人才，力争成为优秀人才的家园。

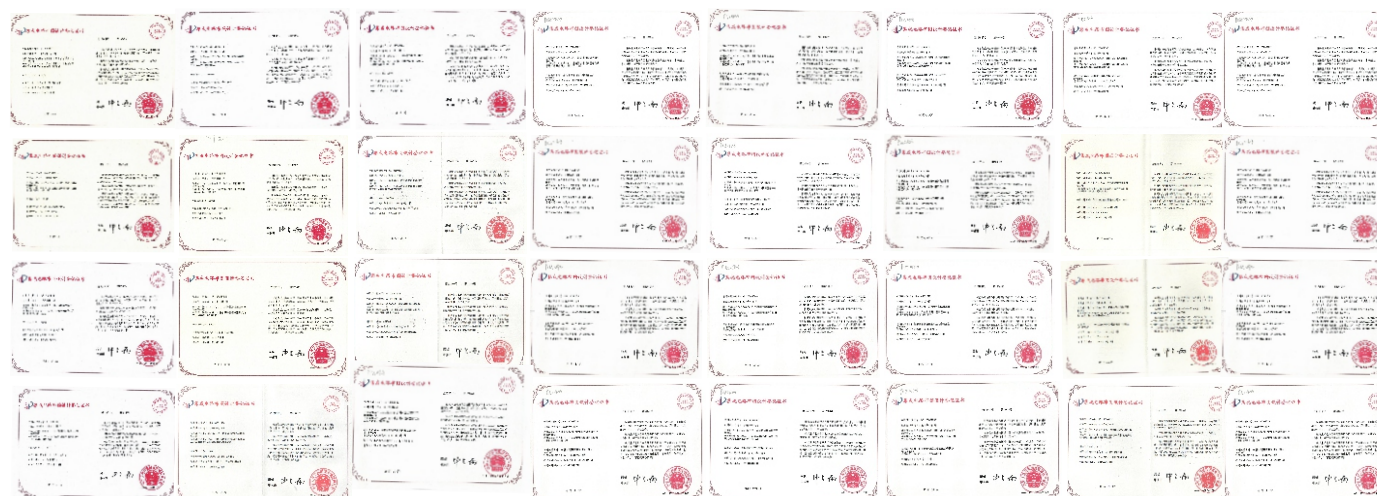


专利证书

发明专利

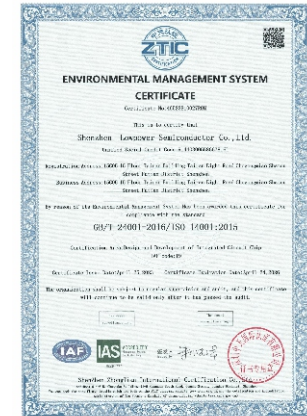


布图设计专利



ISO9001

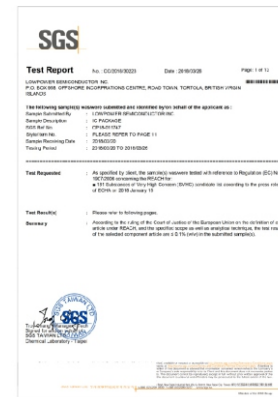
ISO14001环境管理体系认证



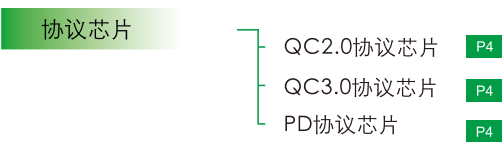
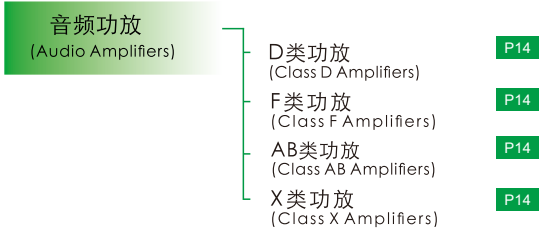
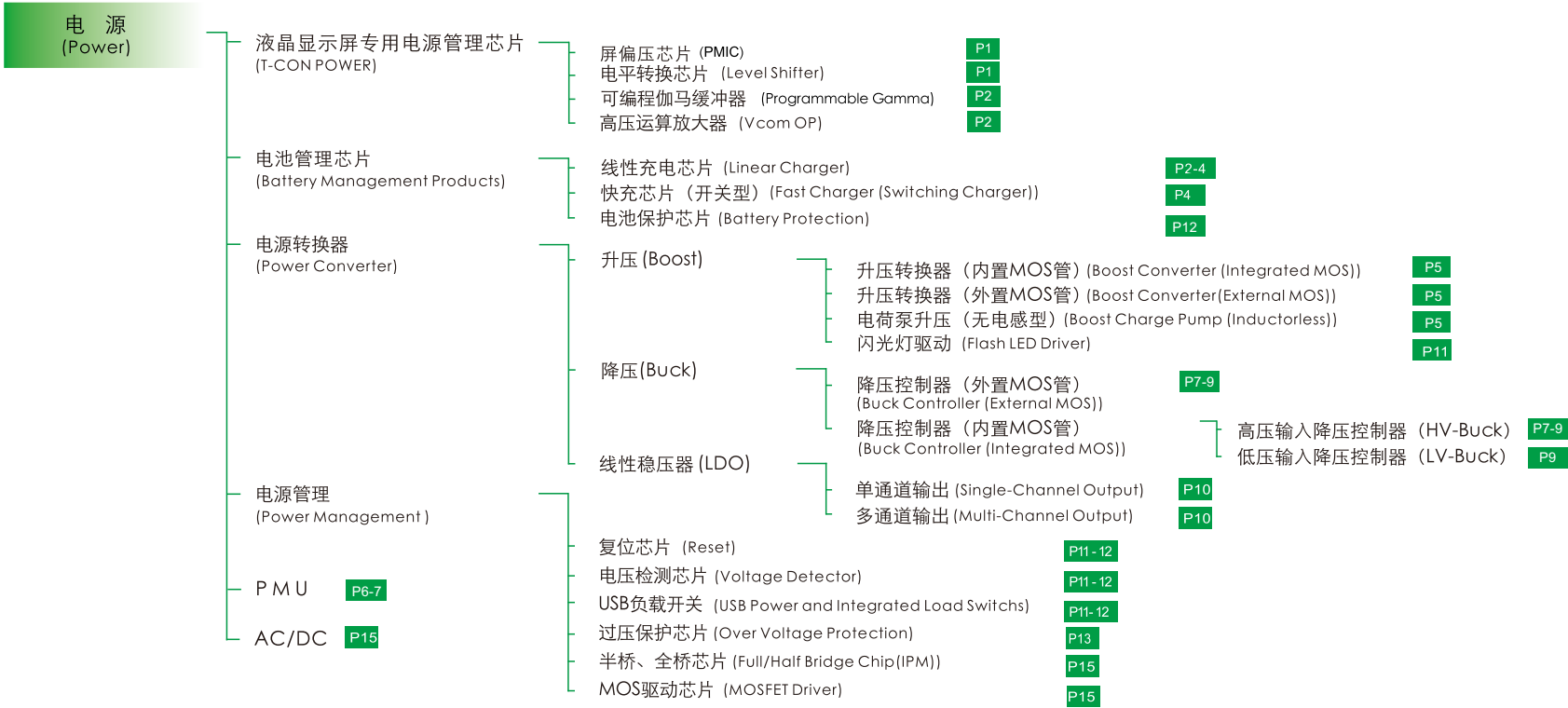
ROHS&REACH环保认证



- 2020年最佳电源管理IC设计
- 2020年创新杰出企业
- 2020年最佳国产模拟芯片
- 2021年度新锐公司
- 2021年度IC独角兽奖
- 2021年度杰出创新企业
- 2021年度中国创新IC设计公司
- 2021年度最佳电源管理IC
- 2022年创芯新锐奖
- 2022年度创新IC设计公司
- 2023年度IC独家兽奖
- 2023年中国IC设计成就奖



LPS Product Tree





型号	输入电压(V)	输出电压(V)	工作频率(Hz)	限流值(mA)	效率 (%)	应用	特点	封装
LP3100	2.5-4.8	±5.5-5.9	300K	±40	-	Phone	Low size, Large current, OTP, OCP	DFN-12(1.5*2.4)
LP3100A	2.5-4.8	±5.5-5.9	550K	±40	-	Phone	Low size, Large current, OTP, OCP	DFN-12(1.5*2.4)
LP3101	2.5-4.8	±5.5-5.9	300K	±40	-	Phone	Low size, Large current, OTP, OCP	DFN-12(1.5*3)
LP3102	2.5-4.8	±5.5-5.9	300K	±120	-	Tablets	Low size, Large current, OTP, OCP	DFN-10(3*3)
LP6270	2.7-5.5	±4-6.2	1.2M	±220	85	Phone/Tablets	Dual Power Boost/Charge Pump	WLCSP-15
LP62701	2.7-5.5	±4-6.5	1.2M	±150	86	Phone	Dual Power Boost/Charge Pump	WLCSP-15
LP6280A	2.7-5.5	±4-6	1M	±150	87	Phone	Dual Power Boost/Charge Pump	WLCSP-15
LP6280S	2.7-5.5	±4-6	1M	±80	88	Phone	Dual Power Boost/Charge Pump	WLCSP-15
LP6281	8-14.7	13.5-19.8	500K/750K	5000(EXT.)	92	TV	AVDD, VGH, VGL, Buck (3A), 14+1 P-Gamma, HAV	TQFN-46 (4.5*6.5)
LP6282	2.7-5.5	Vin-13	1.5M	2000	90	Monitor	AVDD, VGH, VGHM, LDO, Vcom OP	TQFN-20 (3*3)
LP6283	8.0-14	Vin-18	500K/ 700K	4000	90	TV	AVDD, VGH, VGL, VGHM, Buck, LDO, Vcom OP	TQFN-48 (7*7)
LP6284	2.5-5.5	Vin-16	640K/ 1.2M	2000	92	Monitor/TV	AVDD, VGH, VGHM, LDO, Vcom OP, Reset	TQFN-24 (4*4)
LP6285	2.5-5.5	6.0-18	600K/ 1.2M	2500	92	Monitor/TV	AVDD, VGH, VGL, Vcom OP	TQFN-16 (3*3)
LP6286	2.5-5.5	6.0-18	600K/ 1.2M	3000	92	Monitor/TV	AVDD, VGH, VGHM, Vcom OP, Reset	TQFN-24 (4*4)
LP6288	8.0-14	13.5-19.8	750K	4250 (Adj)	90	TV	AVDD, VGH, VGL, VGHM, Reset, Buck1, Buck2, HA	TQFN-40 (6*6)
LP6289	8.0-14	13.5-19.8	750K	5000 (Adj)	90	TV	AVDD, VGH, VGL, HAVDD, VBK, 10+1 P-Gamma	TQFN-40 (5*5)

Level Shifter

电平转换芯片

型号	输入电压(V)	通道数(CH)	CLK通道	高电平电压(V)	低电平电压(V)	输出阻抗(Ω)	工作频率(Hz)	特点	封装
LP6295	-18-40	14	4/6/8	40	-18	15	500K	Programmable CLK phase output 1-line/2-line mode select	TQFN-28 (4*5)
LP6275	-18-40	14	4/6/8	40	-18	15	500K	Programmable CLK phase output 1-line/2-line mode select	TQFN-32 (4*4)
LP6296A	-18-40	16	4/6/8/10	40	-18	9	500K	Programmable CLK phase output 1-line/2-line mode select	TQFN-32 (4*4)
LP6296B	-18-40	16	4/6/8/10	40	-18	9	500K	Programmable CLK phase output Dual VGH Power Supply 1-line/2-line mode select	TQFN-32 (4*4)
LP6296C	-18-40	16	4/6/8/10	40	-18	9	500K	Programmable CLK phase output Dual VGH Power Supply 1-line/2-line mode select	TQFN-32 (4*4)
LP6297A	-20-40	10	6	40	-20	11	500K	1-to-1 input/output control	TQFN-28 (4*4)
LP6297B	-20-40	10	6	40	-20	11	500K	TCON MODE Select 1-to-1 or 2-to-6 input/output control	TQFN-32 (4*4)



型号	输出电压(V)	Slew Rate(V/uS)	ISC(mA)	PSRR(dB)	特点	封装
LP6298	6.5-18	8	+/- 140	60	14+1	TQFN-24 (4*4)
LP6299	6.5-18	25	+/- 350	60	14+1	TQFN-32 (5*5)

Vcom OP 高压运算放大器

型号	输出电压(V)	Slew Rate(V/uS)	IPeak(mA)	PSRR(dB)	输出电流(mA)	特点	封装
LP6291	6.0-18	40	±450	1	±100	High Slew Rate	SOT23-6
LP6291H	4.5-19.5	50	±1300	1	±400	High Peak Source/Sink Current	DFN-8(3*3)/SOT23-5
LP6292	6.0-18	40	±450	2	±100	High Slew Rate	DFN-8(3*3)
LP6294	6.0-18	40	±450	4	±100	High Slew Rate	ETSSOP-14

Battery Charger IC 锂电池充电芯片

型号	最大充电电流(mA)	工作电压(V)	OVP (V)	电池电压(V)	温度检测	EN	状态指示			工作模式	电池节数	产品特征/功能	封装
							CHRG	FULL	PG				
LP4020	2000	4.5-5.5	6	4.2	-	-	Y	-	-	Switching	1	Large current,Low size,OTP,OCP	SOT23-6/ESOP8
LP4030	3000	4.5-24	7	4.2/4.35/4.4	Y	-	Y	-	-	Switching	1	High Vin voltage,3A Large current,Low size,OTP,OCP,NTC	DFN-10(3*3)
LP4030HA	3000	4.5-28	22	4.2/4.35/4.4	Y	-	Y	-	-	Switching	1	High Vin voltage,3A Large current,Low size,OTP,OCP,NTC	DFN-10(3*3)
LP4030HB	3000	4.5-28	22	8.4/8.7	Y	-	Y	-	-	Switching	2	High Vin voltage,3A Large current,Low size,OTP,OCP,NTC	DFN-10(3*3)
LP4030HC	3000	4.5-28	22	12.6	Y	-	Y	-	-	Switching	3	High Vin voltage,3A Large current,Low size,OTP,OCP,NTC	DFN-10(3*3)
LP4032	2000	4.5-28	6.4	4.2	Y	-	Y	-	-	Switching	1	Sensorless,High Vin voltage,3A Large current,OTP,OCP,NTC	DFN-10(3*3)
LP4033	3000	4.0-30	5.85	4.0-4.44	Y	-	Y	Y	-	Switching	1	I2C,1.5A BOOST,High Vin voltage,3A Large current,OTP,OCP,UVLO	QFN-24(4*4)
LP4040	800	4.5-36	6.3	4.2/4.35	Y	Y	Y	-	Y	linear	1	CTC,High Vin voltage,Low size,OTP	DFN-10(2*2)
LP4051	1000	3.9-8	-	Adj.	-	-	Y	Y	-	linear	1	CTC,Low size,OTP,Full voltage±1%Accuracy	ESOP8
LP4051T	1000	3.9-8	-	4.2	Y	Y	Y	Y	-	linear	1	CTC,Low size,OTP,Full voltage±1%Accuracy	ESOP8
LP4052	400	4.5-8	-	4.2	-	-	Y	-	-	linear	1	CTC,OTP,Full voltage±1%Accuracy,Fixed charge current	SOT23-5
LP4053	1000	4.5-8	-	4.2	-	-	Y	-	-	linear	1	CTC,OTP,Full voltage±1%Accuracy(Floating charge type)	SOT23-6/ESOP8
LP4054H	600	3.9-8	-	4.2	-	-	Y	-	-	linear	1	CTC,Low size,OTP,Full voltage±1%Accuracy	SOT23-5/6
LP4056H	1000	3.9-8	-	4.2	-	Y	Y	Y	-	linear	1	CTC,Low size,OTP,Full voltage±1%Accuracy	ESOP8
LP4057	600	3.9-8	-	4.2	-	-	Y	Y	-	linear	1	CTC,Low size,OTP,Full voltage±1%Accuracy	SOT23-6
LP4060/A	600	3.9-10	-	4.2	-	-	Y	-	-	linear	1	CTC,Low size,OTP	SOT23-5
LP4061	600	3.9-10	-	4.2	-	-	Y	Y	-	linear	1	CTC,Dual LED display,Low size,OTP	SOT23-6/DFN-8(2*2)



型号	最大充电电流(mA)	工作电压(V)	OVP (V)	电池电压(V)	温度检测	EN	状态指示			工作模式	电池节数	产品特点/功能	封装
							CHRG	FULL	PG				
LP4063	300-800	4.5-28	7	4.2	-	-	Y	-	-	linear	1	CTC,High Vin voltage,Low size,OTP	SOT23-5
LP4066	1000	4.5-36	6.3	4.2/4.35/4.4	Y	Y	Y	Y	-	linear	1	CTC,High Vin voltage,Low size,OTP,IEC62368	SOT23-5/ESOP8/DFN-8(2*2)
LP4067/T	800	4.5-36	6.3	4.2	-/Y	Y/-	Y	-	-	linear	1	CTC,High Vin voltage,High BAT voltage,Low size,OTP	SOT23-6
LP4068/A/T	800	4.5-28	7	4.2	-/Y	-/Y/-	Y	-	-	linear	1	CTC,High Vin voltage,High BAT voltage,Low size,OTP	SOT23-5/6/DFN-8 (2*3)/MSOP8
LP4068H	800	4.5-36	7	4.05/4.2	-/Y	-	Y	-	-	linear	1	CTC,High Vin voltage,High BAT voltage,Low size,OTP	SOT23-5/DFN-8(2*3)
LP4069/T	800	4.5-28	7	4.2,4.35	-/Y	Y	Y	Y	-	linear	1	CTC,High Vin voltage,High BAT voltage,Low size,OTP	SOT23-6/DFN-8(2*2)
LP4069H/HT	800	4.5-36	7	4.2,4.35	-/Y	Y	Y	Y	-	linear	1	CTC,High Vin voltage,High BAT voltage,Low size,OTP	SOT23-6/DFN-8(2*2)
LP4069PT	800	4.5-28	6.3	4.2,4.35,4.4	Y	Y	Y	-	Y	linear	1	CTC,PG,High Vin voltage,High BAT voltage,Low size,OTP	DFN-8(2*2)
LP4070E	300	3.9-8	-	4.2	-	Y	Y	-	-	linear	1	CTC,Low size,OTP	TDFN-6(1*1)
LP4072/H	1000	4.5-28	7	4.2	-	Y	Y	Y	-	linear	1	CTC,High Vin voltage,High BAT voltage,Low size,OTP	DFN-8(3*3)
LP4073H	1000	4.5-36	7	4.05/4.2/4.35	-	Y	Y	Y	-	linear	1	CTC,High Vin voltage,High BAT voltage,Low size,OTP	DFN-8(3*3)
LP4076H	1000	4.5-28	7	4.2	Y	Y	Y	Y	-	linear	1	CTC,High Vin voltage,High BAT voltage,Low size,OTP	ESOP8
LP4076/E	1000	4.5-36	7	4.2	Y	-	Y	Y	-	linear	1	CTC,High Vin voltage,High BAT voltage,Low size,OTP	ESOP8
LP4076B	1000	4.5-28	7	4.2	Y	Y	Y	Y	-	linear	1	CTC,High Vin voltage,High BAT voltage,Low size,OTP	ESOP8
LP4077	300	3.9-8	-	4.2	-	Y	Y	-	-	linear	1	CTC,Low size,OTP,low Ultra-Input Quiescent Current	TDFN-6(1*1)
LP4078	1000	4.5-40	22	4.2/4.35/4.4	Y	Y	Y	-	Y	linear	1	CTC,High Vin voltage,High BAT voltage,Low size,OTP	DFN-10(3*3)
LP4080H	300	2.7-8.5	-	4.2	-	-	-	-	-	linear	1	Ultra-high Efficiency Linear Charger for TWS Earphones	DFN-8(2*2)
LP4081	470	2.6-16	5.7	4.0-4.5	-	-	-	-	-	linear	1	Ultra-high Efficiency I2C, Power Path, ±0.3% Voltage Accuracy	QRN-12(2*2)
LP4081B	1000	2.6-19	5.7	4.0-4.5	Y	-	-	-	-	linear	1	I2C, Power Path, watchdog, ship mode,	QRN-12(2*2)
LP4081H	1100	2.6-16	5.7	4.0-4.5	Y	-	-	-	-	linear	1	Ultra-high Efficiency I2C, Power Path, ±0.3% Voltage Accuracy	DFN-10(3*3)
LP28009A	1000	9.0-28	13.5	8.4	-	-	Y	Y	-	linear	2	CTC,OTP,Full voltage±1%Accuracy	ESOP8
LP28011H	300-1000	4.5-28	7	4.2	Y	-	Y	-	-	linear	1	CTC,NTC,OTP,Reverse Protection Full voltage±1%Accuracy	DFN-10(3*3)
LP28013A	300-1000	4.5-28	7	4.2/4.35/4.4	Y	Y	Y	-	Y	linear	1	CTC,OTP,Reverse Protection,Full voltage±1%Accuracy	DFN-10(3*3)
LP28013S	1000	4.5-28	7	4.2/4.35	-	Y	Y	-	-	linear	1	CTC,OTP,Reverse Protection,Full voltage±1%Accuracy	DFN-10(3*3)
LP28013H	1000	4.5-36	6.3	4.2/4.35/4.4	Y	Y	Y	-	Y	linear	1	CTC,OTP,Reverse Protection,Full voltage±1%Accuracy	DFN-10(3*3)



型号	最大充电电流(mA)	工作电压(V)	OVP (V)	电池电压(V)	温度检测	EN	状态指示			工作模式	电池节数	产品特征/功能	封装
							CHRG	FULL	PG				
LP28014SE	1000	4.5-40	6.5	4.2/4.35/4.4	-	Y	Y	-	Y	linear	1	CTC,High Vin voltage,High BAT voltage,Low size,OTP	DFN-8(2*2)
LP28014A	1000	4.5-36	6.2	4.2/4.35	Y	Y	Y	-	-	linear	1	CTC,OTP,Reverse Protection,Ful voltage±1%Accuracy	DFN-8(2*2)
LP28019S	1000	4.5-10	-	4.2	-	-	Y	-	-	linear	1	CTC,NTC,OTP	ESOP8
LP28019B	300-1000	4.5-28	7	4.2	-	-	Y	-	-	linear	1	CTC,OTP,Reverse Protection,Ful voltage±1%Accuracy	ESOP8
LP28019H	1000	4.5-36	7	4.2	Y	Y	Y	Y	-	linear	1	CTC,High Vin voltage,High BAT voltage,Low size,OTP	ESOP8
LP28021F	1000	4.5-28	7	3.65	-	Y	Y	Y	-	linear	1	LiFePO4 batteries,CTC OVP,High Vin voltage 1A Large current	DFN-10(3*3)
LP28053A	300-1000	4.5-28	7	4.2	Y	Y	Y	Y	-	linear	1	CTC,1A Large Current,OTP,Reverse Protection	ESOP8
LP28055	300-1000	4.5-28	7	4.2	Y	-	Y	Y	-	linear	1	CTC,1.2A Large current,OTP,OVP,OCP	ESOP8
LP28056	1200	3.9-7	-	4.2/4.35	-	Y	Y	Y	-	linear	1	CTC,1A Large current,OTP,OCP	ESOP8
LP28057A	1000	4.5-10	-	4.2	-	Y	Y	Y	-	linear	1	CTC,1A Large current,OTP,OCP	ESOP8
LP28058/F	1000	4.5-28	7	Adj.	-	-	Y	Y	-	linear	1	CTC,1A Large current,Adjustable VBAT,OTP,OCP	ESOP8/SOT23-6
LP28300A	2000	4.5-24	18	4.2/4.35	Y	-	Y	-	-	Switching	1	High Vin voltage,Large current,Temp monitoring	ESOP-8/DFN-10(3*3)
LP28303A	2500	4.5-7	6	4.2	Y	-	Y	Y	-	Switching	1	2.5A Large current,Low size,OTP,OCP	ESOP8/DFN-10(3*3)
LP28400A	1500	3.0-12	-	8.4/12.6	Y	-	Y	-	-	Switching	2,3	USB Boost charge 2/3cells	ESOP-8/QFN-16(3*3)

Fast Charger Protocol IC

快充协议芯片

型号	输入电压(V)	协议	输出电压(V)	工作模式	特点	封装
LPS100	3.5-7	QC2.0	5/9/12/20	QC2.0	QC2.0: UL Certification No. 4787667866-2	SOP8
LP102	4.5-5.5	2Ch BC1.2	5	BC1.2	-	SOT23-6
LP102A	4.5-5.5	1Ch BC1.2	5	BC1.2	-	SOT23-6
LP103S	3.5-7	QC3.0+FCP	5/9/12/20	BC1.2, QC2.0/3.0, FCP, Apple Mode, SFCP	QC3.0: UL Certification No. 4787974756	SOP8/SOT23-6
LP103Q	3.5-7	QC3.0+FCP	5/9/12/20	BC1.2, QC2.0/3.0, FCP, Apple Mode, SFCP	QC3.0: UL Certification No. 4787974756	SOP8/SOT23-6
LP105	4.5-5.5	2Ch BC1.2	5	BC1.2	-	SOT23-6



型号	输入电压(V)	最高输出电压(V)	工作频率 (Hz)	开关管电流(mA)	UVLO	FB电压(V)	5V带载电流	特点	封装
LP6252	2.2-6	Adj.,2.5-5.5	1M	2500	Yes	0.80	1.2A	Syn.,Large current,High efficiency	SOT23-6/DFN-6(2*2)
LP6255	2.5-30	Adj.,2.5-30	Adj	Ext mosfet	Yes	1.3	5A	Syn.,Large current,High efficiency	TQFN-20(3*3)
LP6260/M	1.0-5.0	5.1	1.2M	1000	Yes	-	0.5A	Syn.,Low Quiescent,High efficiency	DFN-6(2*2)/TDFN-6(2*2)
LP6260S	1.0-5.0	5.1	1.2M	1000	Yes	-	0.5A	Syn.,Low Quiescent,High efficiency,No discharge	DFN-6(2*2)
LP6261	1.0-5.0	5.1/Adj.	1.2M	1000	Yes	1.36	0.5A	Syn.,Low Quiescent,High efficiency	SOT23-6
LP6261H	1.0-5.0	Adj.	1.2M	1700	Yes	1.36	0.7A	Syn.,Low Quiescent,High efficiency	SOT23-6
LP6261S	1.0-5.0	5.1/Adj.	1.2M	1000	Yes	1.36	0.5A	Syn.,Low Quiescent,High efficiency,No discharge	SOT23-6
LP62610	1.0-5.0	3.3/5.1/Adj.	1.2M	1000	Yes	1.36	0.5A	Syn.,Low Quiescent,High efficiency	SOT23-6

Asyn. Boost DC/DC Converters

升压转换器

型号	输入电压(V)	最高输出电压(V)	工作频率 (Hz)	开关管电流(mA)	UVLO	FB电压(V)	5V带载电流	特点	封装
LP6201	0.9-5	Adj.	300K	800	Yes	1.2	0.3A	Syn,Low Iq,Low Vin,Low Size	SOT23-6
LP6216	2.5-24	Adj.,2.5-24	1M	3000	Yes	0.60	1A	High voltage,Large current,High efficiency	SOT23-6
LP6218	2.2-24	Adj.,2.5-24	1M	2100	Yes	0.60	1A	High voltage,Large current,High efficiency	SOT23-6
LP6220A	9.0-14	14/19	1M	2200	Yes	-	-	LNB power with 22K and LDO	ESOP8
LP6221A	2.6-15	Adj.,2.5-20	500K	10000	Yes	1.155	4A	Large current,HV Boost Control,Adj. current limit,OCP,OTP	ESOP8/DFN-10
LP6222	2.5-5.5	Adj.,2.5-9	1M	4800	Yes	0.60	2A	High voltage,Large current,High efficiency,Adj. current limit	SOT23-6/ESOP8
LP6223	2.5-5.5	Adj.,2.5-28	1M	1500	Yes	1.25	0.7A	High voltage,Large current,High efficiency	SOT23-6
LP6224	2.5-15	Adj.,2.5-20	900K	Adj. to 3200	Yes	0.60	1.3A	High voltage,Large current,High efficiency,Adj. current limit	SOT23-6
LP6225	2.5-15	Adj.,2.5-20	900K	2800	Yes	0.60	1.2A	High voltage,Large current,High efficiency	SOT23-6
LP6226/A	2.5-5.5	Adj.,2.5-28	1M	1500	Yes	0.6/1.25	0.8A	High voltage,Large current,High efficiency	SOT23-6
LP6229	2.2-6	Adj.,2.5-9	1.2M	1500	Yes	0.60	0.8A	High voltage,Large current,Adjustable high efficiency	SOT23-6
LP6230B	2.2-6	Adj.,2.5-18	1M	2400	Yes	0.60	1.5A	Large current,High efficiency	MSOP-8
LP6230C	2.2-6	Adj.,2.5-24	1M	1500	Yes	1.24	1A	Large current,High efficiency	MSOP-8
LP6235	2.2-5.5	Adj.,2.5-5.5	1.2M	2500	Yes	1.25	1A	Large current Adjustable, High efficiency	SOT23-6
LP6236	2.2-5.5	Adj.,2.5-9	800K	2000	Yes	0.60	1A	High voltage,Large current,High efficiency	SOT23-6,DFN-6(2*2)
LP6238	2.5-5.5	Adj.,2.5-9	1M	2600	Yes	0.60	1A	High voltage,Large current,High efficiency	SOT23-6
LP6239	2.5-5.5	Adj.	500K	Ext mosfet	Yes	1.2	10A	Large current,HV Boost Control,OCP,OVP,OTP	SOP8
LP6240	4.5-35	Adj.	500K	Ext mosfet	Yes	1.2	10A	Large current,HV Boost Control,OCP,OVP,OTP	SOP8

Charegr pump

电源转换

型号	输入电压(V)	输出电压(V)	工作频率 (Hz)	开关管电流(mA)	UVLO	FB电压(V)	5V带载电流	特点	封装
LP3110	2.8-5	5	340K	-	Yes	-	0.3A	SS,OTP,OCP,SCP	SOT23-6
LP3120	2.8-5	5	340K	-	Yes	-	0.3A	SS,OTP,OCP,SCP	SOT23-6
LP3211	2.8-5	5	340K	-	Yes	-	0.3A	SS,OTP,OCP,SCP	SOT23-6



型号	工作模式	输出电流(mA)	EN(使能)	静态电流(uA)	工作频率(Hz)	输入电压 (V)	输出电压(V)	特点	封装
LP7810	Charge	30-930	NO	4	-	4-30	4.1/4.2/4.35/4.4	超高效率TWS耳机仓芯片,I2C控制,双向通讯,双路独立输出,耳机电压跟随充电功能,快充不发热、提升耳机仓续航时间	QFN-16(3*3)
	Boost	250*2			1M	2.9-4.4	4.35-5.1		
LP7810A	Charge	30-930	NO	4	-	4-30	4.1/4.2/4.35/4.4	超高效率TWS耳机仓芯片,I2C控制,双向通讯,双路独立输出,耳机电压跟随充电功能,快充不发热、提升耳机仓续航时间	QFN-16(3*3)
	Boost	250*2			1M	2.9-4.4	4.35-5.1		
LP7811	Charge	1800	NO	4	1M	4-30	4.1/4.2/4.35/4.4	超高效率TWS耳机仓芯片,开关充电,路径管理,I2C,双向通讯,NTC检测符合JEITA标准;耳机电压跟随充电功能,快充不发热、提升耳机仓续航时间	QFN-24(4*4)
	Boost	250*2				2.9-4.4	4.35-5.1		
LP7812	Charge	800	NO	6	-	4-28	4.2	内置通讯功能、霍尔与按键控制、充放电NTC检测符合JEITA标准;耳机电压跟随充电功能,快充不发热、提升耳机仓续航时间	QFN-16(3*3)
	Boost	150*2			1.2M	3.3-4.4	5.1		
LP7812A/B	Charge	800	NO	6	-	4-28	4.2	A: 关断型、B: 常开型、霍尔与按键控制、NTC检测符合JEITA标准;耳机电压跟随充电功能,快充不发热、提升耳机仓续航时间	QFN-16(3*3)
	Boost	150*2			1.2M	3.3-4.4	5.1		
LP7812AJ	Charge	800	NO	6	-	4-28	4.2	关断型、霍尔与按键控制、NTC充放电保护范围0~45°C;耳机电压跟随充电功能,快充不发热、提升耳机仓续航时间	QFN-16(3*3)
	Boost	150*2			1.2M	3.3-4.4	5.1		
LP7812C	Charge	800	NO	6	-	4-28	4.2	支持MCU双向通讯功能、霍尔与按键控制、NTC检测符合JEITA标准;耳机电压跟随充电功能,快充不发热、提升耳机仓续航时间	QFN-16(3*3)
	Boost	150*2			1.2M	3.3-4.4	5.1		
LP7815	Charge	800	NO	6	-	4-28	4.2	支持MCU单向通讯功能	ESOP10
	Boost	150*2			1.2M	3.3-4.4	5.1		
LP7820A	Charge	30-930	NO	10	-	4-30	4.1/4.2/4.35/4.4	内置MCU超高效率TWS耳机仓芯片,I2C控制,双路独立输出	QFN-24(4*4)
	Boost	250*2			1M	2.9-4.4	4.35-5.1		
LP7800K2/4	Charge	300	NO	20	-	4.5-30	4.2	五合一TWS耳机充电仓芯片,关断型,2/4LED状态指示	ESOP8
	Boost	500			1M	3-4.2	5		
LP7800S	Charge	350	NO	20	-	4.5-30	4.2	五合一TWS耳机充电仓芯片,关断型,2LED状态指示	ESOP8
	Boost	500			850K	2.8-4.2	5.1		
LP7800HA/B	Charge	300/200	NO	20	-	4.5-30	4.2	五合一TWS耳机充电仓芯片,关断型,2LED状态指示	ESOP8
	Boost	500			850K	2.8-4.2	5.1		
LP7801/T	Charge	1000	NO	1	-	4.5-40	4.2/4.35	超低功耗TWS耳机充电仓芯片,带NTC,常开型	ESOP8
	Boost	500	Yes		1.2M	2-4.2	5.1		
LP7801TE	Charge	1000	NO	1	-	4.5-28	4.2/4.35	超低功耗TWS耳机充电仓芯片,带NTC,常开型	ESOP8
	Boost	500	Yes		1.2M	2-4.2	5.1		
LP7801D	Charge	1000	NO	1	-	4.5-30	4.2/4.35	超低功耗TWS耳机充电仓芯片,常开型	ESOP8
	Boost	500	Yes		1.2M	2-4.2	5.1		
LP7801L	Charge	1000	NO	1	-	4.5-10	4.2	超低功耗TWS耳机充电仓芯片,常开型	ESOP8
	Boost	500	Yes		1.2M	2-4.2	5.1		
LP7802T	Charge	1000	NO	23	-	4.5-30	4.2	六合一TWS耳机充电仓芯片,关断型,2 LED状态指示,双路独立输出,NTC	QFN-16(3*3)
	Boost	500	Yes		1M	3-4.2	5		
LP7804T	Charge	1000	NO	23	-	4.5-30	4.2	六合一TWS耳机充电仓芯片,关断型,4 LED状态指示,双路独立输出	QFN-16(3*3)
	Boost	500	Yes		1M	3-4.2	5		
LP7806K2/4	Charge	300	NO	15	-	4.5-8	4.2	五合一TWS耳机充电仓芯片,关断型,2 /4LED状态指示	ESOP8
	Boost	300			720K	3-4.2	5		
LP7850	Charge	1000	Yes	1	-	4.5-28	4.2	充放电二合一芯片	TDFN-8(3*3)
	Discharge	16000	Yes		-				



型号	工作模式	输出电流(mA)	EN(使能)	静态电流(uA)	工作频率(Hz)	输入电压 (V)	输出电压(V)	特点	封装
LP7852	Charge	500	NO	15	-	4.4-10	4.2	路径管理充放电,放电控制多合一芯片	SOT23-6/ESOP8
	Discharge	2000	NO		-	2.9-4.2			
LP7852A	Charge	500	NO	15	-	4.4-10	4.2	路径管理充放电,放电控制多合一芯片,3档电压输出	SOT23-6
	Discharge	2000	NO		-	2.9-4.2			
LP7853	Charge	1000	NO	1	-	4.4-28	4.2	OVP,放电控制,PWM调节输出功率, 放电恒流输出, 锂电保护	QFN-16(3*3)
	Discharge	10000	Yes		-	2.8-4.2			
LP78071	Charge	1000	NO	1	-	3.9-6.5	4.2	移动电源芯片,1A充电,5V1A放电	ESOP8/DFN-10(3*3)
	Boost	2700	Yes	200	1M	2.5-5.5	Adj.		
LP78073A	Charge	1000	NO	1	-	3.9-6.5	4.2	移动电源芯片,1A充电,5V1A放电	ESOP8
	Boost	2700	Yes	200	1M	2.5-5.5	Adj.		
LP78080	Charge	500/800	NO	15	-	4.4-10	4.2	手持风扇SOC,三档调速	SOT23-6/ESOP8
	Discharge	2000	NO		-	2.9-4.2			

HV Buck DC/DC Converters

高压降压转换器

型号	输入电压(V)	输出电流(A)	输出电压(V)	FB电压 (V)	电压精度	工作频率(Hz)	输出通道数量	工作模式	EN控制	轻负载模式	产品特征/功能	封装
LP6450	4.2-18	2	0.6-7	0.6	±1%	1.2M	1	Syn.	Y	PFM/PWM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6450F	4.2-18	2	0.6-7	0.6	±1%	1.2M	1	Syn.	Y	FCCM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6450T	4.2-18	2	0.768-7	0.768	±1%	1.2M	1	Syn.	Y	PFM/PWM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6450TF	4.2-18	2	0.768-7	0.768	±1%	1.2M	1	Syn.	Y	FCCM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6450M	4.2-18	2	0.8-7	0.8	±1%	1M	1	Syn.	Y	PFM/PWM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6451	4.2-18	3	0.6-7	0.6	±1%	1.2M	1	Syn.	Y	PFM/PWM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6451F	4.2-18	3	0.6-7	0.6	±1%	1.2M	1	Syn.	Y	FCCM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6452A	4.2-18	2	0.6-7	0.6	±1%	1M	1	Syn.	Y	PFM/PWM	COT,Internal Soft Start,OCP,SCP,OTP	SOT563(FC)
LP6452AT	4.2-18	2	0.8-7	0.8	±1%	1M	1	Syn.	Y	PFM/PWM	COT,Internal Soft Start,OCP,SCP,OTP	SOT563(FC)
LP6452AF	4.2-18	2	0.6-7	0.6	±1%	1M	1	Syn.	Y	FCCM	COT,Internal Soft Start,OCP,SCP,OTP	SOT563(FC)
LP6452ATF	4.2-18	2	0.8-7	0.8	±1%	1M	1	Syn.	Y	FCCM	COT,Internal Soft Start,OCP,SCP,OTP	SOT563(FC)
LP6453	4.2-18	3	0.768-7	0.768	±1%	1.2M	1	Syn.	Y	PFM/PWM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6(FC)
LP6453T	4.2-18	3	0.6-7	0.6	±1%	1.2M	1	Syn.	Y	PFM/PWM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6(FC)
LP6453M	4.2-18	3	0.8-7	0.8	±1%	1.2M	1	Syn.	Y	PFM/PWM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6(FC)



型号	输入电压(V)	输出电流(A)	输出电压(V)	FB电压 (V)	电压精度	工作频率(Hz)	输出通道数量	工作模式	EN控制	轻负载模式	产品特征/功能	封装
LP6453F	4.2-18	3	0.768-7	0.768	±1%	1.2M	1	Syn.	Y	FCCM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6(FC)
LP6453TF	4.2-18	3	0.6-7	0.6	±1%	1.2M	1	Syn.	Y	FCCM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6(FC)
LP6453A	4.2-18	3	0.8-7	0.8	±1%	1.2M	1	Syn.	Y	PFM/PWM	COT,Internal Soft Start,OCP,SCP,OTP	SOT563(FC)
LP6453AT	4.2-18	3	0.8-7	0.6	±1%	1.2M	1	Syn.	Y	PFM/PWM	COT,Internal Soft Start,OCP,SCP,OTP	SOT563(FC)
LP6453AF	4.2-18	3	0.8-7	0.6	±1%	1.2M	1	Syn.	Y	FCCM	COT,Internal Soft Start,OCP,SCP,OTP	SOT563(FC)
LP6454	4.2-18	4	0.765-7	0.765	±1%	1.2M	1	Syn.	Y	PFM/PWM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6(FC)
LP6460	4.5-16	2	0.6-12	0.6	±2%	500K	1	Syn.	Y	PFM/PWM	Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6461	4.5-16	3	0.6-12	0.6	±2%	600K	1	Syn.	Y	PFM/PWM	Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6432	4.5-36	2	0.6-13.2	0.6	±1%	500K	1	Syn.	Y	PFM/PWM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6432F	4.5-36	2	0.6-13.2	0.6	±1%	500K	1	Syn.	Y	FCCM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6432H	4.5-36	2	0.6-13.2	0.6	±1%	1M	1	Syn.	Y	PFM/PWM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6432HF	4.5-36	2	0.6-13.2	0.6	±1%	1M	1	Syn.	Y	FCCM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6462	4.5-30	2	0.6-13.2	0.6	±1%	500K	1	Syn.	Y	PFM/PWM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6462F	4.5-30	2	0.6-13.2	0.6	±1%	500K	1	Syn.	Y	FCCM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6462H	4.5-30	2	0.6-13.2	0.6	±1%	1M	1	Syn.	Y	PFM/PWM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6462HF	4.5-30	2	0.6-13.2	0.6	±1%	1M	1	Syn.	Y	FCCM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6462S	4.5-30	2	0.6-13.2	0.6	±1%	500K	1	Syn.	Y	PFM/PWM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6462SF	4.5-30	2	0.6-13.2	0.6	±1%	500K	1	Syn.	Y	FCCM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6462SH	4.5-30	2	0.6-13.2	0.6	±1%	1M	1	Syn.	Y	PFM/PWM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6462SHF	4.5-30	2	0.6-13.2	0.6	±1%	1M	1	Syn.	Y	FCCM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6470	4.5-16	2	0.8-12	0.8	±2%	500K	1	Syn.	Y	PFM/PWM	Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6470T	4.5-16	2	0.768-12	0.768	±2%	500K	1	Syn.	Y	PFM/PWM	Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6470HS	4.2-18	2	0.6-7	0.6	±1%	1.2M	1	Syn.	Y	PFM/PWM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6470HSF	4.2-18	2	0.6-7	0.6	±1%	1.2M	1	Syn.	Y	FCCM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6470HT	4.2-18	2	0.768-7	0.768	±1%	1.2M	1	Syn.	Y	PFM/PWM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6470HTF	4.2-18	2	0.768-7	0.768	±1%	1.2M	1	Syn.	Y	FCCM	COT,Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6471	4.5-16	3	0.8-12	0.8	±2%	600K	1	Syn.	Y	PFM/PWM	Internal Soft Start,OCP,SCP,OTP	SOT23-6



型号	输入电压(V)	输出电流(A)	输出电压(V)	FB电压 (V)	电压精度	工作频率(Hz)	输出通道数量	工作模式	EN控制	轻负载模式	产品特征/功能	封装
LP54331	4.5-32	3	0.8-13.2	0.8	±1%	500K	1	Syn.	Y	PFM/PWM	COT,Internal Soft Start,OCP,SCP,OTP	ESOP8
LP54334	4.5-36	3	0.8-13.2	0.8	±1%	500K	1	Syn.	Y	PFM/PWM	COT,Internal Soft Start,OCP,SCP,OTP	ESOP8
LP6401F24	8-36	2.4	Fixed 5.1	-	±3%	120K	1	Syn.	N	PFM/PWM	Internal BC1.2 protocol,OCP,SCP,OTP	SOP8
LP6401F34	8-36	3.4	Fixed 5.1	-	±3%	120K	1	Syn.	N	PFM/PWM	Internal BC1.2 protocol,OCP,SCP,OTP	SOP8
LP6482	4.5-36	2	0.6-12	0.6	±2%	340K	1	Syn.	Y	FCCM	Internal Soft Start,OCP,SCP,OTP	SOP8
LP6483	4.5-36	3	0.6-12	0.6	±2%	340K	1	Syn.	Y	FCCM	Internal Soft Start,OCP,SCP,OTP	ESOP8
LP6492	8.0-36	2.4	0.6-30	0.6	±2%	180K	1	Syn.	N	FCCM	Adjustable output current limit,Line compensation	SOP8
LP64920F	8-32	2.4/3.1	Fixed 5.1	-	±3%	180K	1	Syn.	N	FCCM	Fixed 5.1V output voltage	SOP8
LP6493	8.0-36	3.4	0.6-30	0.6	±2%	180K	1	Syn.	N	FCCM	Adjustable output current limit,Line compensation	SOP8
LP64933	8.0-30	3.6	0.6-30	0.6	±2%	180K	1	Syn.	N	FCCM	Adjustable output current limit,Line compensation	SOP8
LP6496	8.0-40	4.8	0.6-40	0.6	±2%	180K	1	Syn.	N	FCCM	Adjustable output current limit,Line compensation	SOP8
LP6497	9.0-40	4.8	1-12	1.2	±2%	120K	2	Syn.	N	FCCM	Two-way Adjustable output current limit ,Line compensation	SOP10
LP6498A	4.5-36	1.2	0.8-12	0.8	±2%	600K	1	Syn.	Y	FCCM	Internal Soft Start,OCP,SCP,OTP	SOT23-6
LP6498H	8-36	1.2	Fixed 5.1	-	±3%	200K	1	Syn.	N	FCCM	Internal Soft Start,OCP,SCP,OTP	SOP8

LV Buck DC/DC Converters

低压降压转换器

型号	输入电压(V)	输出电压(V)	FB电压 (V)	电压精度	工作频率(Hz)	最大输出电流(A)	输出通道数量	工作模式	EN控制	轻负载模式	产品特征/功能	封装
LP6301	2.5-5.5	0.6-5.5	0.6	±2%	1.5M	1	1	Syn.	Y	PFM/PWM	100% Duty,Internal Soft Start,OCP,SCP,OTP	DFN-6(2*2)
LP6302	2.5-5.5	0.6-5.5	0.6	±2%	1.5M	2	2	Syn.	Y	PFM/PWM	100% Duty,Internal Soft Start,OCP,SCP,OTP	TQFN-12(3*3)
LP6303	2.5-5.5	0.6-5.5	0.6	±2%	1.5M	2	3	Syn.	Y	PFM/PWM	100% Duty,Internal Soft Start,OCP,SCP,OTP	TQFN-24(4*4)
LP6304B	2.5-5.5	0.6-5.5	0.6	±2%	1.5M	2	4	Syn.	Y	PFM/PWM	100% Duty,Internal Soft Start,OCP,SCP,OTP	TQFN-24(4*4)
LP6310	2.5-5.5	0.6-5.5	0.6	±2%	1.5M	1	3	Syn.	Y	PFM/PWM	100% Duty,Internal Soft Start,OCP,SCP,OTP	TQFN-20(3*3)
LP6312	2.5-5.5	0.6-5.5	0.6	±2%	1.5M	2	2	Syn.	Y	PFM/PWM	100% Duty,Internal Soft Start,OCP,SCP,OTP	DFN-10(3*3)
LP3201	2.5-5.5	1.2/1.8/3.3/0.6-5.5	0.6	±2%	1.5M	1	1	Syn.	Y	PFM/PWM	100% Duty,Internal Soft Start,OCP,SCP,OTP	SOT23-5/TSOT23-5
LP3201S	2.5-6.5	0.6-6	0.6	±2%	1.5M	1	1	Syn.	Y	PFM/PWM	100% Duty,Internal Soft Start,OCP,SCP,OTP	SOT23-5
LP3202	2.5-6	0.6-6	0.6	±2%	1.5M	2	1	Syn.	Y	PFM/PWM	100% Duty,Internal Soft Start,OCP,SCP,OTP	SOT23-5
LP3219	2.5-5.5	0.6-5.5	0.6	±2%	1.5M	2	1	Syn.	Y	PFM/PWM	100% Duty,Internal Soft Start,OCP,SCP,OTP	SOT23-5
LP3220	2.5-5.5	1.2/1.8/3.3/0.6-5.5	0.6	±2%	1.5M	1.2	1	Syn.	Y	PFM/PWM	100% Duty,Internal Soft Start,OCP,SCP,OTP	SOT23-5
LP3220S	2.5-5.5	1.2/1.8/3.3/0.6-5.5	0.6	±2%	1.5M	1	1	Syn.	Y	PFM/PWM	100% Duty,Internal Soft Start,OCP,SCP,OTP	SOT23-5

型号	输出电流(mA)	输出电压(V)	输入电压(V)	PSRR(dB)	精度(%)	导通压差(mV/mA)	静态电流(uA)	产品特征/功能	封装
LP3980/H	300/500	1.2/1.5/1.8/2.5/2.8/3.0/3.3/5.0/Adj.	1.6-5.5	-80	2	400 @ 500	20	Shutdown,High PSRR,Large current	SOT23-5/DFN-4(1*1)
LP3980S	500	3.3/Adj.	1.6-5.5	-80	1	400 @ 500	20	High PSRR,Large current,High Accuracy	SOT23-5
LP3981/H	300/500	1.2/1.5/1.8/2.5/2.8/3.0/3.3/Adj.	2-6.5	-76	2	220 @ 300	45	Shutdown,High PSRR	SOT23-5/DFN-4(1*1)/DFN-6(2*2)
LP3981S	300	3.3	2-6.5	-76	1	220 @ 300	45	Shutdown,High PSRR,High Accuracy	SOT23-5
LP3982S/H	300/600	1.2/1.8/2.8/3/3.3	2.2-5.5	-70	1	220 @ 300	50	30uVrms low Noise,Shutdown	SOT23-5/DFN-4(1*1)
LP3983S	300	Adj.,FB=0.8	2.0-6.0	-65	2	220 @ 300	90	Shutdown,High PSRR	SOT23-5
LP3983H	600	Adj.,FB=0.8	2.2-6.0	-65	2	280 @ 400	90	Shutdown,High PSRR,Large current	SOT23-5/SOT89-5
LP3984/H	300/500	1.2/1.5/1.8/2.5/2.8/3.0/3.3/3.6/Adj.	2.0-6.0	-70	2	280 @ 400	50	Shutdown,High PSRR	SOT23-5
LP3985	300	1.2/1.5/1.8/2.5/2.8/3.0/3.3/3.6	2.5-5.5	-68	2	300 @ 300	50	High PSRR	SOT23/SOT89
LP3986	300	1.5/1.8/2.5/2.8/3/3.3/3.5	2.5-6.0	-65	3	220 @ 300	75	High PSRR	SOT23/SOT-89
LP3987H	600	1.2/1.5/1.8/2.5/2.8/3/3.3	2.5-6.0	-65	3	360 @ 600	90	High PSRR,Large current	SOT23-5
LP3988	300	1.8/2.5/2.8/3.0/3.3	2.0-5.5	-98	1.5	165 @ 250	24	High PSRR,High Accuracy	SOT23-5/DFN-4(1*1)
LP3988H	600	1.8/2.5/2.8/3.0/3.3	2.0-5.5	-98	1.5	165 @ 250	24	High PSRR,High Accuracy,Large current	SOT23-5/DFN-4(1*1)
LP3989	600	Adj.,FB=0.8	2.0-6.0	-70	2	220 @ 300	90	Shutdown,High PSRR	SOT23-5
LP3990A	300	1.2/1.8/2.8/3/3.3	2.0-6.0	-70	3	240 @ 300	50	Shutdown,High PSRR	DFN4(1*1)
LP3991	250	1.2/1.8/3.0/3.3	1.5-5.5	-45	1.5	180 @ 100	5	Low Quiescent	SOT23/DFN4(1*1)
LP3992	300	1.2/1.5/1.8/2.5/2.8/3/3.3	2.0-6.0	-70	2	220 @ 300	75	Shutdown,High PSRR	SOT23-5
LP3993	200	1.5/1.6/1.8/2.5/2.8/3/3.3/3.6/5	2.5-30	-55	2	300 @ 100	5	Low Quiescent	SOT-89/SOT23-3
LP3993B	200	2.8/3/3.3/5	2.5-30	-55	2	300 @ 100	5	Low Quiescent	SOT-89
LP3994	200	3.3/5.0	3.6-44	-45	1.5	550 @ 100	1.5	Low Quiescent,High Voltage	SOT23-3/SOT-89/SOT23-5
LP3995	200	3.0/3.3/3.6/5	2.5-35	-55	2	600 @ 100	3	Low Quiescent	SOT-89/SOT23-3
LP3996	250	1.2/1.8/3.0/3.3	1.5-6.5	-24	1.5	180 @ 100	0.7	Low Quiescent	SOT23/DFN4(1*1)
LP3997	300	1.2/1.5/1.8/2.5/2.8/3.0/3.3	1.6-6.0	-65	1.5	180 @ 300	2	Low Quiescent	SOT23-5/DFN4(1*1)
LPQ3988	600	1.8/2.8/3.3	2.0-5.5	-98	1.5	165 @ 250	24	AEC-Q100,High PSRR,High Accuracy,Large current	SOT23-5

CMOS 2-Channel LDO

双通道线性稳压器

型号	输出电流(mA)	输出电压(V)	输入电压(V)	PSRR(dB)	精度(%)	导通压差(mV/mA)	静态电流(uA)	特点	封装
LP2201	300	28/18,33/33,28/12,28/33	2.5-5.5	-65	2	250 @ 300	50	Shutdown,High PSRR	SOT23-6
LP2206	600/600	Adj./Adj.	2.5-6	-68	2	280 @ 400	75	Shutdown,High PSRR	ESOP8/DFN-8(2*2)



型号	输入电压 (V)	Vout-max (V)	工作模式	LED通道数	驱动LED数量(pcs)	开关电流(A)	开关频率 (Hz)	FB电压(mV)	亮度调节	OVP(V)	产品特点/功能	应用	封装
LP3301	2.7-24	24	Boost	-	-	3	1.2M	1230	-	-	Low size,Small EMI	Bias	SOT23-5
LP3302	2.7-6	29	Boost	1	3S8P	1.1	1M	250	PWM	29	OVP,OTP,Constant current,Low size	Backlight	SOT23-6
LP3310	2.7-24	28	Boost	1	3S24P	4	1M	250	PWM	28	OVP,OTP,Constant current,Low size,1%dimming	Backlight	SOT23-6/DFN-6(2*2)
LP3315	2.7-5.5	30	Boost	-	-	1.4	1.2M	1250	PWM	-	Low size,Small EMI	Bias	SOT23-5
LP3316	2.7-5.5	30	Boost	-	-	1.4	1.2M	1230	PWM	-	Low size,Small EMI	Bias	SOT23-5
LP3317	2.2-5.5	30	Boost	-	-	2	1.2M	1230	PWM	-	Low size,Small EMI	Bias	SOT23-5
LP3318	2.7-6	36	Boost	-	-	1.5	1M	1230	PWM	-	Low size,Small EMI	Bias	SOT23-5
LP3320	2.5-5.5	37	Boost	1	3S12P	1.5	1M	250	PWM	37	OVP,OTP,Constant current,Low size	Backlight	SOT23-6/DFN-6(2*2)
LP3321	2.5-5.5	37	Boost	1	3S12P	1.5	1M	200	PWM	37	OVP,OTP,Constant current,Low size	Backlight	SOT23-6/DFN-6(2*2)
LP3382	2.0-5.5	29	Boost	1	3S16P	2	1.1M	250	PWM	29	OVP,OTP,Constant current,Low size	Backlight	SOT23-6
LP3350	8-35	Adj.	Boost	1	Upon Ext.MOSFET	Ext	200K	300	PWM	Adj	OVP,OTP,Constant current,Large current	Backlight	SOP8
LP3351	8-35	Adj.	Boost	1	Upon Ext.MOSFET	Ext	200K	200	PWM	Adj	OVP,OTP,Constant current	Backlight	SOP8
LP3352	2.7-24	39	Boost	6	12S6P	2.5	1M	-	PWM	39	OVP,OTP,Constant current,Large current	Backlight	QFN-16(3*3)
LP3353	9.0-30	Adj.	Boost	1	Upon Ext.MOSFET	Ext	120K	400	PWM	Adj	OVP,OTP,Constant current,Large current	Backlight	SOP8
LP3354	9.0-30	Adj.	Boost	1	Upon Ext.MOSFET	Ext	120K	400	PWM	Adj	OVP,OTP,Constant current,Large current, I2C	Backlight	SOP10/DFN-10(3*3)

Flash White-LED Driver

闪光灯驱动芯片

型号	输入电压(V)	工作模式	输出方式	输出电流 (mA)	调光方式	闪光持续时间	特点	应用	封装
LP3367A	2.7-5.5	Buck/Boost	CP+CS	1000	2-level	-	CP,SS,OTP,OCP	Smart phone,MID	DFN-10(3*3)
LP3368	2.7-5.5	Buck/Boost	CP+CS	1000*2	2-level	-	CP,SS,OTP,OCP	Smart phone,MID	TQFN-16(3*3)
LP3366	2.8-5.5	Boost	CS	1500*2	I2C	-	SS,OTP,OCP,SCP(SwitchMode)	Smart phone	DFN-10(3*3)

型号	电池 节数	过充检测 电压(V)	过充恢复 电压(V)	过放检测 电压(V)	过放恢复 电压(V)	过流检测 门限	0V 充电	精度(mV)	反接保护	内阻 (mΩ)	静态电 流(uA)	特点	封装
LPB1001	1	4.3	4.1	2.4	3.0	1A	Y	50	Y	70	2	Low Roson,OCP,OVP,SCP,OTP	SOT23/DFN-4(1*1)
LPB1002	1	4.3	4.1	2.4	3.0	1A	Y	50	Y	70	2	Low Roson,OCP,OVP,SCP,OTP,Positive protection	DFN-6 (2*2)
LPB1003	1	4.3	4.1	2.4	3.0	3A	Y	50	Y	44	3.6	Low Roson,OCP,OVP,SCP,OTP	SOT23/SOT23-5
LPB1006	1	4.3	4.1	2.4	3.0	6A	Y	50	Y	21	3.2	Low Roson,OCP,OVP,SCP,OTP	SOT23-5/DFN-6 (2*2)
LPB1010H	1	4.275	4.075	2.8	3.0	0.3A	Y	25	Y	60	0.5	shipping mode,Low IQ,OCP,OVP,SCP,OTP	DFN-4 (1*1)
LPB2105	1	4.3	4.2	2.5	2.9	2.8A	Y	50	Y	60	2.8	Low Roson,OCP,OVP,SCP,OTP,Positive protection	SOT23-6
LPB3033-ADAP	3	4.25	4.15	2.7	3.0	0.1V	Y	25	Y	Ext	15	High accuracy,OTP(Adj.)	SOP16
LPB3043-ADAP	4	4.25	4.15	2.7	3.0	0.1V	Y	25	Y	Ext	15	High accuracy,OTP(Adj.)	SOP16
LPB3043-ACBP	4	4.225	4.125	2.7	3.0	0.1V	Y	25	Y	Ext	15	High accuracy,OTP(Adj.)	SOP16
LPB3053-ADAP	5	4.25	4.15	2.7	3.0	0.1V	Y	25	Y	Ext	15	High accuracy,OTP(Adj.)	SOP16
LPB3053-ACBP	5	4.225	4.125	2.7	3.0	0.1V	Y	25	Y	Ext	15	High accuracy,OTP(Adj.)	SOP16
LPB30531-ADAP	5	4.25	4.15	2.7	3.0	0.1V	Y	25	Y	Ext	15	shipping mode,High accuracy,OTP(Adj.)	SOP16

Power Switch/Current Protection IC

电源开关/过流保护芯片

型号	输入电压 (V)	内阻(mΩ)	静态电流(uA)	输出电流(A)	FLAG	快速放电功能	通道数量	产品特征/功能	封装
LPW5201	2.5-6	80	30	Adj./2.1/1.1/0.6	Y	N	1	Low Rdson,SS,OTP,Flag report	SOT23-5/SOT23-6
LPW5202XX	2.4-6	70	30	Adj./2.3/1.65/1.35/0.65	Y	Y/N	1	Low Rdson,SS,OTP,Flag report,Output Discharge	SOT23-5
LPW5203	2.5-6	75	30	3	N	N	1	Low Rdson,SS,OTP	SOT23-5
LPW5204	2.4-6	70	30	Adj.	Y	Y/N	1	Low Rdson,SS,OTP,Flag report,Output Discharge	SOT23-6/DFN-6(2*2)
LPW5206	2.5-6	160	16	0.6	N	N	1	Low Rdson,SS,OTP	SOT23-5
LPW5207	2.5-6	80	30	Adj.	N	N	1	Low Rdson,SS,OTP	SOT23-5
LPW5208	2.5-6	160	16	1.2	N	N	1	Low Rdson,SS,OTP	SOT23-5
LPW5209	2.5-6	80	30	Adj./2.1/1.1/0.6	N	N	1	Low Rdson,SS,OTP	SOT23-5
LPW5210	2.5-6	160	16	Adj to 1.5	N	N	1	Low Rdson,SS,OTP	SOT23-5
LPW5211	2.5-6	160	16	1	N	N	1	Low Rdson,SS,OTP	SOT23-5
LPW5213	2.5-6	75	30	3	N	N	1	Low Rdson,SS,OTP,Large current	SOT23-6
LPW5220	2.5-6	110	36	3	N	N	1	Low Rdson,SS,OTP,Large current	ESOP8
LP5240	1.2-5.5	50	0.18	1.5	N	Y	1	Low IQ,Low Rdson,Low size,SS,OTP	WLCSP-4(0.76*0.76)
LP5241	0.8-5.5	18	60	6*2	N	Y	2	Low Rdson,Adjustable Soft Start,Large current,OTP	DFN-14(2*3)

型号	输入电压(V)	内阻(mΩ)	静态电流(uA)	限流可调	输出电流(A)	OVP(V)	特点	封装
LP5300/A	3.5-36	130	110	-	2.1	6.1/5.8	Low Rdson,OCP,OVP,OTP	SOT23-6
LP5301/A	3.5-36	130	110	Y	2.1	6.1/5.8	Low Rdson,OCP adjustable with resistor,OVP,OTP	SOT23-6/DFN-8(2*2)
LP5304/A	3.5-36	30	110	-	5	6.1/5.8	Low Rdson,Large current,OVP,OTP	DFN-8(2*2)
LP5304C	3.3-26	85	250	-	3	6.1	Low Rdson,Large current,OVP,OTP	DFN-8(2*2)
LP5305	3.3-30	160	400	Y	1.5	5.85	High accuracy current protection,Fault signal output	DFN-8(2*2)
LP5306	3.3-30	160	400	Y	1.5	6.8	High accuracy current protection,Fault signal output,Battery OVP	DFN-8(2*2)
LP5307A	2.5-28	40	80	-	5	6.8/Adj.	80V Surge protection,OVP Adj.,OTP,	DFN-8(2*3)
LP5308	3.3-36	135	90	Y	2.5	5.85	Low Rdson,OCP adjustable with resistor,OVP,OTP	SOT23-6/DFN-8(2*2)
LP5309	3.3-32	135	90	-	2.5	5.85	Low Rdson,OCP,OVP,OTP	SOT23
LP5314A	3.3-36	135	90	-	2.5	5.85	Low Rdson,OCP,OVP,OTP	SOT23-6
LP5280	2.5-29	30	67	-	4.8	5.95/6.8/10.5/14	IEC61000-4-5 100V Surge protection,OVP Adj.,OTP	WLCSP-12(1.33*1.79)
LP5280S	2.5-28	28	80	-	5	6.8/Adj.	100V Surge protection,OVP Adj.,OTP,	WLCSP-12(1.165*1.565)
LP5380	2.5-29	16	67	-	6	5.95/6.8/10.5/14	IEC61000-4-5 100V Surge protection,OVP,OTP	WLCSP-12(1.33*1.79)

型号	输入电压(V)	电压检测(V)	复位状态	延迟时间(ms)	输出类型	静态电流(uA)	产品特征/功能	封装
LP3803	0.9-6	0.9-6	Active Low	240	Open-Drain	3	High Precision,Ultra low current consumption	SOT23
LP3808	0.9-6	1.1	Active Low	-	Open-Drain	3	High Precision,Ultra low current consumption	SOT23
LP3809	0.9-6	2.63,2.93	Active Low	240	Push-Pull	3	High Precision,Ultra low current consumption	SOT23
LP3810	0.9-6	0.9-6	Active High	240	Push-Pull	3	High Precision,Ultra low current consumption	SOT23
LP3811	0.9-6	0.9-6	Active Low	240	Push-Pull	13	High Precision,Ultra low current consumption	SOT23
LP3818C	0.9-6	3.3	Active Low	200	Push-Pull	3	High Precision,Ultra low current consumption	SOT23



型号	输入电压(V)	工作类型	通道数量	PSRR(dB)	输出功率	关断电流(uA)	特点	封装
LPA4722/A	2.5-5.5	Class AB	2	-80	215mW*2,5V@16Ω,0.1%	2	0.3uA Differential input,Enough output power,Low THD+N	QFN-16(3*3)
LPA4732	2.5-5.5	Class AB	2	-80	215mW*2,5V@16Ω,0.1%	2	0.3uA Differential input,Enough output power,Low THD+N	QFN-16(3*3)
LPA4809	2.5-5.5	Class AB	2	-70	140mW*2,5V@16Ω,0.1%	2	0.4uA Single ended input,High efficiency,Enough output power,Low noise	MSOP8
LPA4890	2.5-5.5	Class AB	1	-62	1.25W,5V@8Ω,1%	1	Low THD+N,Enough output power	MSOP8
LPA4891	2.5-5.5	Class AB	1	-62	2.9W,5V@4Ω,10%	1	Low THD+N,Enough output power	MSOP8
LPA4871	2.5-5.5	Class AB	1	-62	2.9W,5V@4Ω,10%	1	Low THD+N,Enough output power	SOP8
LPA4990	2.5-5.5	Class AB	1	-62	1.25W,5V@8Ω,1%	1	Low THD+N,Enough output power	MSOP8
LPA2010	2.5-5.5	Class D	1	-75	3W,5V@4Ω,10%	1	Differential input,Enough output power,Low noise	MSOP8
LPA2010S	2.5-5.5	Class D	1	-75	3W,5V@4Ω,10%	1	Differential input,Enough output power,Low noise	MSOP8/DFN-8(2*2)
LPA2103A	2.5-5.5	Class D	1	-75	2.5W,5V@4Ω,10%	0.2	NCN,Single ended input,Enough output power,Low THD+N,Low noise	DFN-8(2*2)
LPA2104A	2.5-5.5	Class D	1	-75	3W,5V@4Ω,10%	2	Differential input,Enough output power,Low noise	SOP8
LPA2104S	2.5-5.5	Class D	1	-75	3W,5V@4Ω,10%	2	Differential input,Enough output power,Low noise	SOP8
LPA2108	2.5-5.5	Class AB	1	-62	2.9W,5V@4Ω,10%	1	Low THD+N,Enough output power	DFN-8(2*2)
LPA2171	2.5-6.5	Class AB/D	1	-75	5W,5V@2Ω,10%	2	Single ended input,Enough output power,Low noise	SOP8
LPA2172	2.5-6.5	Class AB/D	1	-80	5W,5V@2Ω,10%	2	Single ended input,Enough output power,Low noise	SOP8
LPA2173	2.5-6.5	EQ,Class AB/D	1	-75	5W,6.2V@4Ω,10%	2	Single ended input,EQ function,Enough output power,Low THD+N	ESOP8
LPA2174	2.5-6.5	Class AB/D	1	-75	5W,6.2V@4Ω,10%	2	Differential input,Enough output power	ESOP8
LPA2163	2.5-6.5	Boost,Class AB/D	1	-75	5W,6.2V@4Ω,10%	2	Integrated DC boost,High efficiency,Single ended input,EQ function,Low THD+N	ESOP16
LPA2164	2.5-6.5	Boost,Class AB/D	1	-75	5W,6.2V@4Ω,10%	2	Integrated DC boost,High efficiency,Differential input,Low THD+N	ESOP16
LPA2100	4.5-15	Class D	1	-70	25W,14V@4Ω,10%	2	NCN,Low THD+N,Enough output power,18V supply voltage	ESOP16,ETSSOP24
LPA2101	4.3-15.5	Class F	1	-73	30W,15V@4Ω,10%	12	Non-Crack Noise(NCN)function,Differential input,Low THD+N,Enough output power	ESOP8
LPA2101A	4.3-15.5	Class F	1	-73	30W,15V@4Ω,10%	12	Differential input,Low THD+N,Enough output power	ESOP8
LPA2110	4.3-15.5	Class D	1	-73	30W,15V@4Ω,10%	12	Differential input,Low THD+N,Enough output power	ESOP8
LPA2110A	4.3-15.5	Class F	1	-73	30W,15V@4Ω,10%	12	Differential input,Low THD+N,Enough output power	ESOP8
LPA2102	4.3-15.5	Class F	2	-73	10W*2,12V@4Ω,10%	12	Non-Crack Noise(NCN)function,Differential input,Low THD+N,Enough output power	ESOP16



型号	输入电压(V)	静态电流(uA)	输出电流 (A)	特点	封装
LP1130	4.3-13.2	700	5.8	半桥	SOP8
LP1130A	4.3-13.2	700	5	半桥	SOP8
LP1130B	4.3-13.2	700	8	半桥	SOP8
LP1131	4.3-13.2	900	5	半桥+LDO	ESOP8
LP1140	4.3-13.2	900	5*2	全桥	TQFN-20(4*4)
LP1150	4.0-24	2500	12*2	全桥	FCQFN-24 (4*4)

MOSFET Driver

MOS管驱动芯片

型号	通道	输入电压(V)	静态电流(uA)	驱动电流(A)	特点	封装
LP1110	1	4.5-13.2	700	3.5	半桥驱动芯片	DFN-8(3*3)
LP1111/A	1	4.5-13.2	700	3.5	半桥驱动芯片	SOP8/DFN-8(2*2)
LP1113	1	4.5-13.2	700	3.5	半桥驱动芯片	MSOP10
LP1115/A	2(MOS Driver)	2.5-13.2	700	3.5	内置宽电压异步升压的全桥驱动芯片	TQFN-24(4*4)
	1(Boost)	2.5-24	350	3		
LP1115B	2(MOS Driver)	2.5-13.2	700	3.5	内置24V宽电压异步升压的全桥驱动芯片，内置自举二极管	TQFN-24(4*4)
	1(Boost)	2.5-24	350	3		

AC/DC

交流/直流转换芯片

型号	拓扑架构	工作频率(Hz)	Vdd最大值(V)	抖频	空载功耗(mW)	VDD OVP(V)	软启动	OLP/SCP	OTP	Brown-out	PFC控制	封装
SUPER22	Flyback	60K	42	Y	<100	42	Y	A	Y	—	—	SOP8/DIP8



类型	型号	封装	Vds(V)	Vgs(V)	IDSS(uA)	ID(A)	RDSON (mΩ)		
							VGS= 2.5V	VGS= 4.5V	VGS= 10V
P-20V	LPM9021	DFN-6(2*2)	-12	±12	1	6.5	30	23	-
	LPM3401	SOT23	-15	±12	1	4.2	85	64	55
	LPM2301	SOT23	-20	±12	1	2	170	130	-
	LPM3413	SOT23	-20	12	1	3	108	100	-
	LPM9015	SOT23-3	20	±8	1	5	30	28	-
P-30V	LPM9007	SOT23	-30	±20	1	4	80	52	-
	LPM9017	SOT23	-30	±12	1	4	85	64	-
	LPM9435	SOP-8	-30	±12	1	5.8	-	65	42
	LPM3401A	SOT23	-30	±12	1	4.2	85	58	-
	LPM3407	SOT23	-30	±20	1	2.6	-	140	100
	LPM3407A	SOT23-3	-30	±20	1	4.1	-	57	42
	LPM4953	SOP-8	-30	±12	1	5	-	65	42
N-20V	LPM2302	SOT23	20	±12	1	3.5	75	50	-
	LPM3400	SOT23	20	±8	1	4.2	52	33	-
	LPM3414	SOT23	20	±8	1	3	52	41	-
	LPM9926	SOP8	20	±12	1	7.6	24	18.5	16.5
N-30V	LPM3406	SOT23	30	±20	1	3.6	-	62	48
	LPM9040A	DFN-8(3*3)	30	±20	1	20	-	10	8.2
N-40V	LPM9040	DFN-8(3*3)	40	±20	1	20	-	10	8.2
N+N	LPM9022	DFN-8(2*3)	20	12	1	6	26	20	-
	LPM9026	SOP8	20	12	1	25	24	18.5	16.5
	LPM8205	SOT23-6/TSSOP8	20	±12	1	7.6	29	20	-
	LPM9024	DFN-6(2*2)	20	±10	1	5	40	30	-
	LPM9031	SOP8	30	±12	1	5.8	24	19	18
	LPM9033	DFN-8(3*3)	30	±12	1	20	-	10	8.2
	LPM9042	SOP8	40	±20	1	20	-	10	8.2
	LPM9050	SOT23-6	30	±20	1	3.6	-	48	36
N+P	LPM9029C	SOP8	20/-30	±10	1	6.5+4.5	100(P-MOS)	68(P-MOS) 20(N-MOS)	-
	LPM9030	SOP8	30/-30	±20	1	10+7.6	26(N-MOS)	28(N-MOS) 55(P-MOS)	18(N-MOS) 30(P-MOS)
	LPM9030A	SOP8	30/-30	±20	1	6+5.7	-	40(N-MOS) 56(P-MOS)	27(N-MOS) 32(P-MOS)

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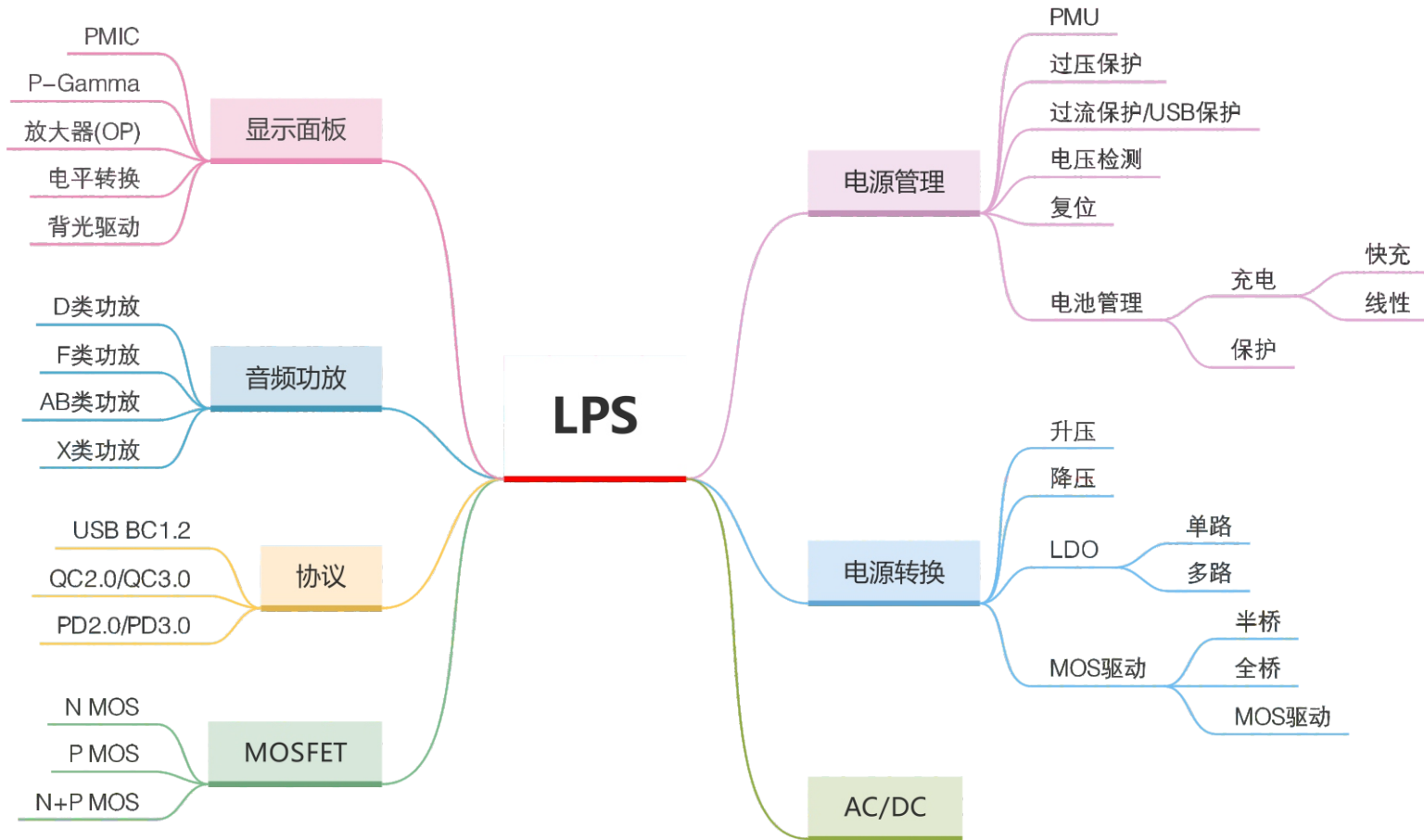
CHANGHONG

FOXCONN



SAMSUNG

Product mapping





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