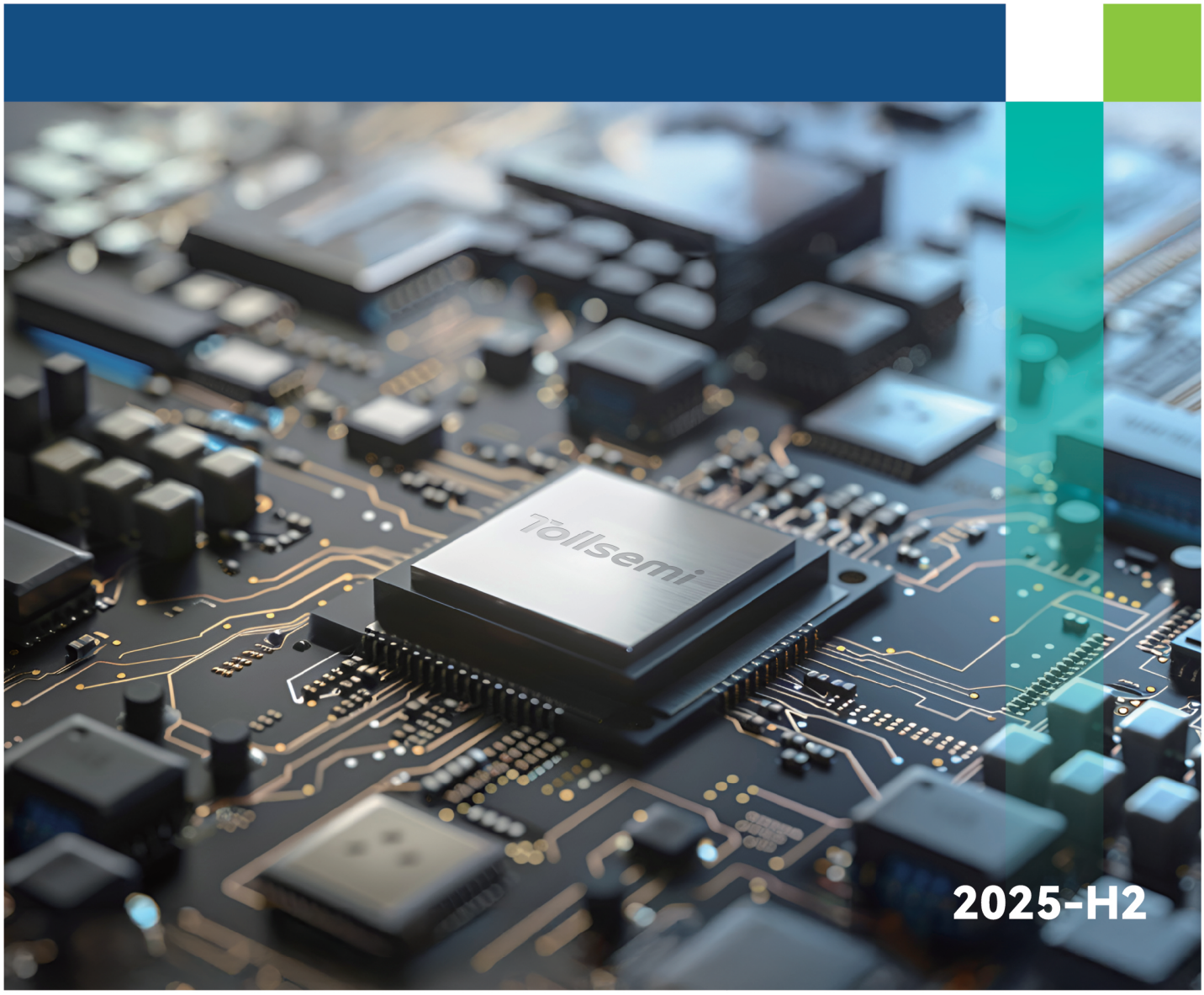
创造永不停止
Innovation Never Stops

Tollsemi 拓尔微

产品选型手册
Product Selection Manual



2025-H2

264 项+
授权专利

其中实用新型119项,发明专利145项,200+国内审核中专利，7项国际授权专利。

800 款+
量产芯片产品

构建了电源管理、马达驱动、锂电池管理和接口控制芯片等数条产品线。

50 亿+
年出货量

与消费电子、工业、通信、汽车电子等领域知名企业建立合作。

20 项+
重点荣誉

国家重点专精特新“小巨人”、全国硬科技企业之星、隐形冠军培育入库、省级瞪羚企业、陕西省知识产权优势企业.....

感受客户的挑战和压力，提供一流的芯片解决方案和服务，持续为客户创造最大价值。

Tollsemi 拓尔微

布局全球的中国芯

【业务布局】

- 总部研发、运营、系统方案：西安
- 营 销 中 心：深圳
- 销售办事处：杭州/西安/台北/韩国
  青岛/北京/佛山/上海

【产品布局】

解决方案模组生产+研发
BMS芯片研发
数模混合芯片研发
汽车芯片研发

1000+优质客户

国产化战略加持，多芯片解决方案
个人消费、智能家居、生产办公、智能物联等

快速发展

公司已成功进入个人消费电子、智能家居、网络通信、工业控制等多个应用行业标杆客户的供应链并实现批量供货，在国产化战略加持下，收入获得高速增长。未来将积极推进在计算机、汽车电子及医疗健康等其他细分行业的产品布局,打造新的利润增长点。

供应链

优秀的供应链管理能力，与晶圆厂、封测厂形成产业链战略合作关系

Tollsemi 拓尔微

产品系列

02 电源管理芯片

17 马达驱动芯片

21 电池管理芯片

汽车应用

拓尔电源管理芯片

Power Management Chips

拓尔的电源管理芯片主要包括DC-DC、LDO、PMIC、开关保护与复位、断电保护、AC-DC、PoE、Local Dimming 等，主要应用于消费电子、通信、工业、汽车等产品中，实现的主要功能为电源电压转换与供电、电源保护、断电保护等，以保证终端产品的供电系统稳定可靠。

DC/DC 开关转换器

低功耗 Buck 转换器系列 (VIN_MAX ≤ 7V)

	Part Number	V_{IN} Range(V)	I_{OUT} (A)	Switching Frequency(Hz)	V_{FB}(V)	I_q(μA)	HS_FET $R_{ds(on)}$(Ω)	LS_FET $R_{ds(on)}$(Ω)	Control Mode	Functions	Package	说明
Hot	TMI3181A/D	2.5 to 6.5	0.8	1.2M	0.6	3	0.3	0.15	CM	Ultra-Low Iq	SOT23-5/ DFN1.6x1.6-6	3uA 低功耗

高频 / 定频 Buck 转换器系列 (VIN_MAX ≤ 7V)

	Part Number	V_{IN} Range(V)	I_{OUT} (A)	Switching Frequency(Hz)	V_{FB}(V)	I_q(μA)	HS_FET $R_{ds(on)}$(Ω)	LS_FET $R_{ds(on)}$(Ω)	Control Mode	Functions	Package	说明
	TMI3101/D	2.5 to 6.0	1	2.3M	0.6	40	0.3	0.15	CM	PFM/PWM/ High frequency	SOT23-5/ DFN2x2-6	
	TMI3101C	2.5 to 5.5	1	2.5M	0.6	40	0.29	0.18	CM	PFM/PWM/ High Frequency	SOT23-5	1A 高频主推
	TMI31601F	2.5 to 5.5	1	1.5M	0.6	2000	0.29	0.18	CM	FPWM	DFN1.6x1.6-6	小封装定频
Hot	TMI3108F	2.5 to 5.5	1.2	1.5M	0.6	2000	0.25	0.18	CM	FPWM	SOT23-5	新设计主推
Hot	TMI3408F	2.5 to 5.5	1.2	1.5M	0.6	2000	0.29	0.18	CM	FPWM	SOT23-5	
	TMI3112H	2.7 to 5.5	2	2.3M	0.6	40	0.12	0.07	CM	PFM/PWM/ High Frequency	SOT23-5	2A 高频
Hot	TMI3112F	2.5 to 5.5	2	1.0M	0.6	4000	0.12	0.07	CM	FPWM	SOT23-5	
Hot	TMI31602F	2.5 to 5.5	2	1.0M	0.6	4000	0.12	0.07	CM	FPWM	DFN1.6x1.6-6	2A 定频 小封装
	TMI31602H	2.5 to 5.5	2	2.3M	0.6	40	0.12	0.07	CM	PFM/PWM/ High Frequency	DFN1.6x1.6-6	2A 高频 小封装
	TMI3113H2/H2D	2.7 to 5.5	3	1.5M	0.6	50	0.09	0.05	CM	PFM/PWM/ PG/ High Frequency	SOT23-6/ DFN2x2-8	
	TMI3113H2DI	2.7 to 5.5	3	1.5M	0.6	50	0.09	0.05	CM	PFM/PWM/ PG/ Discharge	DFN2x2-8	带放电功能
	TMI3113HD	2.7 to 5.5	3	1.5M	0.6	50	0.09	0.05	CM	PFM/PWM/ PG/ Discharge/High Frequency	DFN2x2-8	带放电功能，动态加强
	TMI3131	2.5 to 5.5	3	2.7M	0.6	300	0.026	0.02	COT	FPWM/PWM/COT	DFN2x2-8	3A 大电流高频

Buck 转换器 I²C DVS(VIN_MAX ≤ 7V)

	Part Number	V_{IN} Range(V)	I_{OUT} (A)	SwitchingFrequency(Hz)	I²C address	$V_{OUT\ Default}$(V)	I_q(μA)	HS_FET $R_{ds(on)(\Omega)}$	LS_FET $R_{ds(on)(\Omega)}$	Control Mode	Functions	Package	说明
Hot	STI8070A/B/C/ D/E/F/G	2.7 to 5.5	5	2.1M	0x80(A)/0x82(B) /0xC0(C~D)	A~C:1.0V/1.0V D:1.1V/1.2V E:0.9V/OFF F:1.02V/1.15V G:0.8V/0.8V	50	0.03	0.02	COT	PFM/PWM/ COT	CSP20	主推 STI8070C

ACOT Buck 转换器 (VIN_MAX ≤ 7V)

	Part Number	V_{IN} Range(V)	I_{OUT} (A)	SwitchingFrequency(Hz)	VFB(V)	Accuracy	I_q(μA)	HS_FET $R_{ds(on)(\Omega)}$	LS_FET $R_{ds(on)(\Omega)}$	Control Mode	Functions	Package	说明
	TMH31001/F	2.5 to 5.5	1	1.5M	0.6	±1.5%	40	0.28	0.2	ACOT	DCM/CCM	SOT23-5	
	TMH31061/F	2.5 to 5.5	1	1.5M	0.6	±1.5%	40	0.28	0.2	ACOT	DCM/CCM	DFN1.6x1.6-6	
Hot	TMI3411U	2.5 to 5.5	2	1.2M	0.45	±2%	40	0.13	0.08	COT	PFM/PWM/ Discharge	SOT23-5	支持低至 0.45V 输出电压应用
	TMH31002/F	2.5 to 5.5	2	1.2M	0.6	±1.5%	40	0.15	0.08	ACOT	DCM/CCM	SOT23-5	

ACOT Buck 转换器 (VIN_MAX ≤ 7V)

Part Number	V_{IN} Range(V)	I_{OUT} (A)	Switching Frequency(Hz)	V_{FB}(V)	Accuracy	I_q(μA)	HS_FET $R_{ds(on)(\Omega)}$	LS_FET $R_{ds(on)(\Omega)}$	Control Mode	Functions	Package	说明
TMH31062/F	2.5 to 5.5	2	1.2M	0.6	±1.5%	40	0.15	0.08	ACOT	DCM/CCM	DFN1.6x1.6-6	
TMH31062AF	2.5 to 5.5	2	1.5M	0.6	±1.5%	40	0.07	0.04	ACOT	CCM	DFN1.6x1.6-6	高效率版本
TMH31003/F	2.5 to 5.5	3	1.0M/1.5M	0.6	±1.5%	40	0.07	0.04	ACOT	DCM/CCM	SOT23-5	
TMH31003A	2.5 to 5.5	3	1.0M	0.6	±1.5%	40	0.07	0.04	ACOT	DCM/PG	SOT23-6	带 PG 功能
TMH31063F	2.5 to 5.5	3	1.5M	0.6	±1.5%	40	0.07	0.04	ACOT	CCM	DFN1.6x1.6-6	CCM 高频 1.5MHz 小封装
TMH31003AD	2.5 to 5.5	3	1.3M	0.6	±1.5%	40	0.038	0.023	ACOT	PG	DFN1.5x1.5-7	
TMH31004	2.5 to 5.5	4	1.3M	0.6	±1.5%	40	0.038	0.023	ACOT	SS/PG	DFN3x3-10	
TMH31005	2.5 to 5.5	5	1.3M	0.6	±1.5%	40	0.035	0.2	ACOT	SS/PG	DFN3x3-10	

通用 Buck 转换器 (VIN_MAX ≤ 7V)

	Part Number	V_{IN} Range(V)	I_{OUT} (A)	Switching Frequency(Hz)	V_{FB}(V)	I_q(μA)	HS_FET $R_{ds(on)(\Omega)}$	LS_FET $R_{ds(on)(\Omega)}$	Control Mode	Functions	Package	说明
	TMI3108	2.5 to 5.5	1	1.5M	0.6	50	0.29	0.18	CM	PFM/PWM	SOT23-5	新设计推荐 TMI3108K
	TMI31601	2.5 to 5.5	1	1.5M	0.6	50	0.29	0.18	CM	PFM/PWM	DFN1.6x1.6-6	
	TMI3408/D	2.5 to 5.5	1.2	1.5M	0.6	40	0.25	0.1	CM	PFM/PWM	SOT23-5/ DFN2x2-6	
Hot	TMI3108K	2.5 to 5.5	1.2	1.5M	0.6	50	0.29	0.18	CM	PFM/PWM	SOT23-5	1A 通用主推
	STI3408B	2.5 to 6.0	1.2	1.5M	0.6	40	0.25	0.1	CM	PFM/PWM	SOT23-5	新设计推荐 TMI3108K
Hot	TMI3408C	2.5 to 5.5	1.5	1.5M	0.6	50	0.29	0.18	CM	PFM/PWM	SOT23-5	
	TMI3411B	2.5 to 6.0	1.5	1.5M	0.6	40	0.15	0.07	CM	PFM/PWM	SOT23-5	新设计推荐 TMI3408C
	TMI3411	2.5 to 6.0	2	1.0M	0.6	40	0.18	0.07	CM	PFM/PWM	SOT23-5	
	STI3411A	2.5 to 6.0	2	1.0M	0.6	40	0.15	0.07	CM	PFM/PWM	SOT23-5	新设计推荐 TMI3410
	TMI3112	2.7 to 5.5	2	1.0M	0.6	40	0.12	0.07	CM	PFM/PWM/ PG	SOT23-6	带 PG 功能
Hot	TMI3410	2.5 to 5.5	2	1.0M	0.6	40	0.12	0.07	CM	PFM/PWM	SOT23-5	2A 通用主推
	TMI3411P	2.7 to 5.5	2	1.0M	0.6	50	0.09	0.05	CM	PFM/PWM/ PG	SOT23-6	新设计推荐 TMI3112
	TMI3412	2.5 to 5.5	2.5	1.0M	0.6	40	0.11	0.06	CM	PFM/PWM/ PG	SOT23-6	新设计推荐 TMI3113B
	TMI3113	2.7 to 5.5	3	1.0M	0.6	50	0.09	0.05	CM	PFM/PWM/ PG	SOT23-6	带 PG 功能
Hot	TMI3113B	2.7 to 5.5	3	1.0M	0.6	50	0.09	0.05	CM	PFM/PWM	SOT23-5	3A 通用主推
	TMI3113D	2.7 to 5.5	3.5	1.0M	0.6	50	0.09	0.05	CM	PFM/PWM/ PG	DFN3x3-10	
	TMI3113D2	2.7 to 5.5	3	850k	0.6	50	0.09	0.05	CM	PFM/PWM/ PG	DFN2x2-8	850kHz 开关频率
Hot	TMI3125	2.7 to 5.5	5	2.1M	0.6	50	0.03	0.02	COT	PFM/PWM/ COT	DFN3x3-10	

Buck 转换器 (7V<VIN_MAX ≤ 24V)

通用 2-4A Buck 转换器 (7V<VIN_MAX ≤ 24V)

	Part Number	V_{IN} Range(V)	I_{OUT} (A)	Switching Frequency(Hz)	V_{FB}(V)	I_q(μA)	HS_FET $R_{ds(on)}$(Ω)	LS_FET $R_{ds(on)}$(Ω)	Control Mode	Functions	Package	说明
	STI3470/ STI3472	3.5 to 18	2	600k	0.6/0.8	500/400	0.12	0.08/0.07	CM	PFM/PWM	SOT23-6	新设计推荐 TMI3252N 系列
	TMI3281	3.5 to 18	2	1M	0.6	600	0.12	0.08	CM	FPWM/ High Frequency	SOT23-6	新设计推荐 TMI3252N 系列
Hot	TMI3252/T/S	4.5 to 18	2	600k	0.8/0.765/0.6	350	0.14	0.07	COT	PFM/PWM/ Fast Response	SOT23-6	
	TMI3252TF	4.5 to 18	2	600k	0.765	350	0.14	0.07	COT	FPWM/ Fast Response	SOT23-6	
	TMI32520	4.5 to 18	2	1M	0.6	350	0.14	0.07	COT	FPWM/ Fast Response	SOT23-6	
	TMI3252SH2/TH/ SH	4.5 to 18	2	1M	0.8/0.765/0.6	350	0.14	0.07	COT	PFM/PWM/ High Frequency/Fast Response	SOT23-6	高频
Hot	TMI3252SHF	4.5 to 18	2	1M	0.6	350	0.14	0.07	COT	FPWM/ Fast Response	SOT23-6	
Hot	TMI3257I/ STI3452I	4.5 to 18	2	800k	0.807	300	0.13	0.065	COT	PFM/PWM/Fast Response	SOT563	
	STI3452HF/HFI	4.5 to 18	2	1M	0.805/0.6	300	0.09	0.045	COT	FPWM/ High Frequency/Fast Response	SOT563	高频
	TMI3258/ STI3453	4.5 to 18	3	600k/1M	0.8	300	0.07	0.035	COT	PFM/PWM/ Fast Response	SOT563	
Hot	STI3453FI	4.5 to 18	3	1M	0.6	300	0.07	0.035	COT	FPWM/ High Frequency/Fast Response	SOT563	高频定频
	TMI3253/T/S	4.5 to 18	3	600k	0.8/0.765/0.6	300	0.07	0.035	COT	PFM/PWM/Fast Response	SOT23-6	
	TMI3273/T	4.5 to 18	3	600k	0.8/0.765	300	0.08	0.04	COT	PFM/PWM/Fast Response	SOT23-6	
Hot	TMI3273TF/ TMI3253TF	4.5 to 18	3	600k	0.765	300	0.08/0.07	0.04/0.035	COT	FPWM/ Fast Response	SOT23-6	定频
	TMI3278/H	4.5 to 18	3	600k/1M	0.807	300	0.08	0.04	COT	PFM/PWM/Fast Response	SOT563	
Hot	TMI32530	4.5 to 18	3	1000k	0.6	300	0.07	0.035	COT	FPWM/ Fast Response	SOT23-6	
	TMI32531S	4.5 to 18	3	600k	0.6	300	0.07	0.035	COT	PFM/PWM/ Discharge	SOT23-6	带放电功能
	TMI3253TH/SH	4.5 to 18	3	1M	0.765/0.6	300	0.07	0.035	COT	PFM/PWM/ High Frequency/Fast Response	SOT23-6	高频
	TMI3253SHF	4.5 to 18	3	1M	0.6	300	0.07	0.035	COT	FPWM/High Frequency/ Fast Response	SOT23-6	
Hot	TMI3259/ STI3454I	4.5 to 18	4	580k/520k	0.8/0.6	300	0.06	0.03	COT	PFM/PWM/ Fast Response	SOT563	
Hot	TMI3244T/ TMI3244TF	4.5 to 18	4	550k	0.765	300	0.065	0.03	COT	PFM/PWM or FPWM /Fast Response	SOT23-6	
	TMI3286/ TMI3286B	4.5 to 18	4	500k	0.8/ 0.925	300	0.06	0.035	COT	PFM/PWM/ Fast Response	ESOP8	
	TMI3254S/ TMI3254SF	4.5 to 18	4	600k	0.6	340	0.04	0.02	COT	PFM/PWM or FPWM /Fast Response	SOT23-6	

通用 2-4A ACOT Buck 转换器 (7V<VIN_MAX ≤ 24V)

	Part Number	V_{IN} Range(V)	I_{OUT} (A)	Switching Frequency(Hz)	V_{FB}(V)	Accuracy	I_q(μA)	HS_FET $R_{ds(on)(\Omega)}$	LS_FET $R_{ds(on)(\Omega)}$	Control Mode	Functions	Package	说明
Hot	TMI3252N/TN/SN	4.5 to 18	2	750k	0.8/0.765/0.6	±1.5%	360	0.14	0.07	ACOT	PFM/ PWM/ Fast Response	SOT23-6	
	TMH32052/T/S	4.5 to 18	2	750k	0.8/0.765/0.6	±1.5%	360	0.14	0.07	ACOT	DCM	SOT23-6	99%Duty
	TMI3252TFN	4.5 to 18	2	750k	0.765	±1.5%	360	0.14	0.07	ACOT	FPWM/ Fast Response	SOT23-6	
	TMI32520N	4.5 to 18	2	1.3M	0.6	±1.5%	360	0.14	0.07	ACOT	FPWM/ Fast Response	SOT23-6	高频
	TMI3252HFN/SHFN	4.5 to 18	2	1.2M	0.8/0.6	±1.5%	360	0.14	0.07	ACOT	FPWM/ Fast Response	SOT23-6	
Hot	TMI3257N	4.5 to 18	2	800k	0.807	±1.5%	340	0.13	0.065	ACOT	PFM/ PWM/Fast Response	DFN1.6x1.6-6	
	TMH32057	4.5 to 18	2	800k	0.807	±1.5%	340	0.13	0.065	ACOT	DCM	DFN1.6x1.6-6	99%Duty
	STI3452HFN/HFIN	4.5 to 18	2	1.2M	0.805/0.6	±1.5%	340	0.013	0.065	ACOT	FPWM/ High Frequency/ Fast Response	DFN1.6x1.6-6	
Hot	TMI3258N/STI3453N	4.5 to 18	3	600k/1M	0.807	±1.5%	340	0.07	0.035	ACOT	PFM/ PWM/ Fast Response	DFN1.6x1.6-6	
	TMI32058H	4.5 to 18	3	1.2M	0.8	±1.5%	340	0.07	0.035	ACOT	DCM	DFN1.6x1.6-6	99%Duty，高频
	STI3453FIN	4.5 to 18	3	1M	0.6	±1.5%	300	0.08	0.04	ACOT	FPWM/ High Frequency/ Fast Response	DFN1.6x1.6-6	
	TMI3253N/TN/SN	4.5 to 18	3	600k	0.8/0.765/0.6	±1.5%	300	0.08	0.04	ACOT	PFM/ PWM/Fast Response	SOT23-6	
	TMH32053/T/S	4.5 to 18	3	600k	0.8/0.765/0.6	±1.5%	380	0.08	0.05	ACOT	DCM	SOT23-6	99%Duty
Hot	TMI3253TFN	4.5 to 18	3	600k	0.765	±1.5%	300	0.08	0.04	ACOT	FPWM/ Fast Response	SOT23-6	
	TMI3253THN/SHN	4.5 to 18	3	1M	0.765/0.6	±1.5%	300	0.08	0.04	ACOT	PFM/ PWM/ High Frequency/ Fast Response	SOT23-6	
	TMI3253SHFN	4.5 to 18	3	1M	0.6	±1.5%	300	0.08	0.04	ACOT	FPWM/High Frequency/ Fast Response	SOT23-6	
	TMH32153T/S	4.5 to 18	3	600k	0.765/0.6	±1.5%	380	0.08	0.05	ACOT	DCM/ Discharge	SOT23-6	99%Duty，带放电功能

通用 5-12A Buck 转换器 (7V<VIN_MAX ≤ 24V)

	Part Number	V_{IN} Range(V)	I_{OUT} (A)	Switching Frequency(Hz)	V_{FB}(V)	I_q(μA)	HS_FET $R_{ds(on)(\Omega)}$	LS_FET $R_{ds(on)(\Omega)}$	Control Mode	Functions	Package	说明
	TMI3255/T/S	4.5 to 18	5	600k	0.8/0.76/0.6	340	0.04	0.025	COT	PFM/PWM/ Fast Response	DFN2x2-6FC/ SOT23-6	
Hot	TMI3255B	4.5 to 18	5	600k	0.8	340	0.04	0.025	COT	PFM/PWM/High Efficiency/ Fast Response	DFN2x2-6FC	高效率，动态优化
	TMI3255TB	4.5 to 18	5	500k	0.76	340	0.04	0.02	COT	PFM/PWM/ Fast Response	SOT23-6	高效率，动态优化
	TMI3255TF/SF	4.5 to 18	5	600k	0.76/0.6	340	0.04	0.02	COT	FPWM/ Fast Response	SOT23-6	
	TMI3256	4.5 to 18	6	600k	0.8	340	0.03	0.016	COT	PFM/PWM/ Fast Response	DFN2x2-6	
	TMI3256S	4.5 to 18	6	400k	0.6	340	0.04	0.02	COT	PFM/PWM/ Fast Response	SOT23-6	
Hot	TMI3256B	4.5 to 18	6	600k	0.8	340	0.03	0.016	COT	PFM/PWM/High Efficiency/ Fast Response	DFN2x2-6	高效率，动态优化
	TMI32560	4.5 to 18	6	600k	0.765	340	0.04	0.025	COT	FPWM/ Fast Response	ESOP8	
	TMI32561	4.5 to 18	6	600k	0.765	340	0.04	0.025	COT	PFM/PWM/ Fast Response	ESOP8	

通用 5-12A Buck 转换器 (7V<VIN_MAX ≤ 24V)

	Part Number	V_{IN} Range(V)	I_{OUT} (A)	Switching Frequency(Hz)	V_{FB}(V)	I_q(μA)	HS_FET $R_{ds(on)(\Omega)}$	LS_FET $R_{ds(on)(\Omega)}$	Control Mode	Functions	Package
Hot	TMI32080	4.5 to 18	8	400k/800k/1.2M Adj.	0.6	600	0.01	0.005	COT	PFM/PWM/ Fast Response	QFN3.5x3.5-18
Hot	TMI32120	4.5 to 18	12	400k/800k/1.2M Adj.	0.6	600	0.01	0.005	COT	PFM/PWM/ Fast Response	QFN3.5x3.5-18
	TMI3383	4.5 to 24	3	650k	0.805	400	0.07	0.035	COT	PFM/SS/PG/ Fast Response	SOT583
Hot	TMI3388A	4.5 to 24	8	600k	0.6	400	0.02	0.01	COT	PFM/PWM/ Fast Response	QFN2.5x2.5-16

COT Buck 转换器 (V_{IN_MAX} ≥ 30V)

	Part Number	V_{IN} Range(V)	I_{OUT} (A)	Switching Frequency(Hz)	V_{FB}(V)	I_q(μA)	HS_FET $R_{ds(on)(\Omega)}$	LS_FET $R_{ds(on)(\Omega)}$	Control Mode	Functions	Package	说明
	TMI3341	4.5 to 30	1.2	1.5M	0.8	350	0.25	0.12	COT	Low Noise/ High Frequency/ PFM/PWM	SOT23-6	
Hot	TMI3359	4.5 to 30	1.2	1.5M	0.8	350	0.25	0.12	COT	Low Noise/ High Frequency/ FPWM	SOT23-6	高频定频
Hot	TMI3341C	4.5 to 30	1.5	600k	0.791	350	0.2	0.09	COT	Low Noise/ High Frequency/ PFM/PWM	SOT23-6	
	TMI3342	4.5 to 30	2	370k	0.8	350	0.25	0.12	COT	PFM/PWM	SOT23-6	
Hot	TMI3342B	4.5 to 30	2	500k	0.6	350	0.15	0.078	COT	PFM/PWM	TSOT23-6	
	TMH33012/U	3.7 to 30	2	600k	0.6	250	0.11	0.06	COT	DCM/ USM(33012U)	SOT23-6	
	TMH33003/A	3.7 to 30	2	600k	0.8/ 0.925	250	0.11	0.06	COT	DCM	ESOP8	
Hot	TMI3343C	4.5 to 30	3	400k	0.6	350	0.08	0.04	COT	PFM/PWM	TSOT23-6	
	TMH33013/U	3.7 to 30	4	500k	0.6	300	0.03	0.027	COT	DCM/ USM(33013U)	SOT23-6	
	TMH33004	3.7 to 30	4	500k	0.8	300	0.04	0.04	COT	DCM/PG	ESOP8	
	TMH33004U	3.7 to 30	4	500k	0.8	300	0.04	0.04	COT	DCM/PG/USM	ESOP8	USM 功能
	TMI3459	4.7 to 40	0.6	2.0M	0.8	130	0.5	0.2	COT	High Frequency/ PFM/PWM	SOT23-6	
Hot	TMI34595	6 to 40	1	150k	Fixed 5V	130	0.5	0.2	COT	High Frequency/ PFM/PWM	SOT23-6	
	TMH34002U	4 to 40	2	600k	0.765	260	0.2	0.1	COT	DCM/USM	ESOP8	OCP3.5A
	TMH34012	4 to 40	2	600k	0.6	260	0.2	0.1	COT	DCM	SOT23-6	OCP3.5A
	TMH34013	4 to 40	3	600k	0.6	260	0.2	0.1	COT	DCM	SOT23-6	OCP5A
	TMH34003U	4 to 40	3	600k	0.765	260	0.2	0.1	COT	DCM/USM	ESOP8	OCP5A
	TMH34003/A	4 to 40	3	600k	0.8/0.923	260	0.2	0.1	COT	DCM	ESOP8	OCP5A
Hot	TMI39610	6.0 to 100	1	Max 1000k	1.2	10.5	0.07	NA	COT	PFM/PWM Ext. Adj fsw.	ESOP8	低功耗

CM Buck 转换器 (V_{IN_MAX} ⩾ 30V)

	Part Number	V_{IN} Range(V)	I_{OUT} (A)	Switching Frequency(Hz)	V_{FB}(V)	I_q(μA)	HS_FET $R_{ds(on)(\Omega)}$	LS_FET $R_{ds(on)(\Omega)}$	Control Mode	Functions	Package	说明
	TMI33421	4.5 to 30	2	570k or 50k to 1.2M	0.8	450	0.12	0.08	CM	PFM/PWM Ext. COMP./ Adj SS./ Adj fsw.	SOP8	
	TMI33431	4.5 to 30	2.5	570k	0.8	450	0.12	0.08	CM	PFM/PWM External COMP./ Adj SS.	SOP8	
Hot	TMI3343/ TMI3344	4.5 to 30	3	340k	0.8/0.925	380	0.12	0.08	CM	PFM/PWM Ext. COMP./ Adj SS.	ESOP8	
	TMI3343B/D	4.5 to 30	3	50k to 1.5M	0.8	380	0.12	0.08	CM	PFM/PWM Ext. COMP./ Adj fsw.	ESOP8/ DFN3x3-10	
Hot	TMI33431E	4.5 to 30	3	570k	0.8	380	0.12	0.08	CM	PFM/PWM Ext. COMP./ Adj SS.	ESOP8	
	TMI3331	8.0 to 30	3	130k to 500k	0.8	1000	0.08	0.06	CM	FPWM Ext. COMP./ Adj SS.	ESOP8	新设计推荐 TMI3344
	TMI3351	4.0 to 30	6	100k to 1000k	0.8	1000	0.01	0.008	CM	FCCM/PFM/PWM / Adj SS.	QFN5x5-28	
Hot	TMI3352A	4.0 to 33	6	170k to 500k	0.8	1000	0.01	0.008	CM	PFM/CC Mode	QFN5x5-32	
	TMI3352B	4.0 to 30	5	170k to 500k	0.8	1000	0.02	0.018	CM	PFM/CC Mode	QFN4x4-24	
	TMI3352C	4.0 to 30	5	170k to 500k	0.8	1000	0.015	0.015	CM	PFM/CC Mode	QFN5x5-32	ES
	TMI3452B	4.0 to 36	5	170k to 500k	0.8	1000	0.015	0.013	CM	PFM/CC Mode	QFN4x4-24	ES
Hot	TMI3492/ TMI3493	4.3 to 36	2/3	75k to 600k	1.22	800	0.07	0.04	CM	PFM/PWM Sync. Buck	SOP8	
Hot	TMI3494	5.0 to 40	4	200k	0.92	1000	0.04	NA	CM	Non-Sync.Buck Adj I_limit	ESOP8	
Hot	TMI36010	6.0 to 60	1	600k	0.8	300	0.3	NA	CM	Non-Sync.Buck	SOT23-6	
	TMI36010S/B	6.0 to 60	1/1.5	600k	0.75/0.8	380	0.3	NA	CM	Non-Sync.Buck	ESOP8	
	TMI36020	6.0 to 60	2.5	250k to 1M	0.8	380	0.095	NA	CM	Non-Sync.Buck./ Adj SS.	ESOP8	
	TMI36021	6.0 to 60	2	250k to 1M	0.8	380	0.095	NA	CM	Non-Sync.Buck./PG	ESOP8	
Hot	TMI36030/R	6.0 to 60	3	250k to 1M	0.8/0.75	300	0.095	NA	CM	Non-Sync.Buck./ Adj SS.	ESOP8	
	TMI36031/R	6.0 to 60	3	250k to 1M	0.8/0.75	300	0.095	NA	CM	Non-Sync.Buck./PG	ESOP8	

Boost 转换器

	Part Number	V_{IN} Range(V)	V_{OUT}_Max (V)	I_{SW}_Limit	Switching Frequency(Hz)	V_{FB}(V)	I_q(μA)	HS_FET $R_{ds(on)(\Omega)}$	LS_FET $R_{ds(on)(\Omega)}$	Control Mode	Functions	Package	说明
	TMI5120	0.85 to 4.5	4.5	0.85	300k	Fixed VOUT	20	0.65	0.45	CM	Sync.Boost/Fixed 2.2V,2.5V,2.8V,3.3V Output Voltage	SOT23	
	STI3508	2.7 to 7.0	30	3	1M	0.6	450	NA	0.08	CM	Nsync.Boost/ PFM/PWM	SOT23-6	
Hot	STI3508C	2.5 to 5.5	30	2.5	1.2M	0.6	450	NA	0.1	CM	Nsync.Boost/ PFM/PWM	SOT23-6	低输入主推
	STI3508CB	2.5 to 5.5	30	2.5	1.2M	1.2	450	NA	0.1	CM	Nsync.Boost/ PFM/PWM	SOT23-5	
Hot	TMI5130A	2.5 to 5.5	30	2.5	1.2M	0.6	30	NA	0.1	CM	Low IQ/Nsync.Boost/ PFM/ PWM/	SOT23-6	低功耗
	TMI5122D8	2.8 to 4.5	5.5	1.9	2.0M	Fixed 5.0V Output or Adj.from 1.0V	60	0.15	0.15	CM	Sync Boost/ True shutdown	DFN2x2-8	同步升压，真关断
	TMH53008	2.4 to 24	30	3.5	1M	0.6	80	NA	0.08	COT	DCM	SOT23-6	24V 输入
	TMH53007	2.4 to 24	30	3.5	1M	0.6	80	NA	0.08	COT	DCM/OC	SOT23-6	24V 输入

Buck-Boost 转换器

	Part Number	V_{IN} Range(V)	I_{OUT} (A)	Switching Frequency(Hz)	V_{OUT}(V)	$R_{ds(on)}$(mΩ) for Buck Leg/ Boost Leg	Soft Start(ms)	Control Mode	Operation Mode	Functions	Package
Hot	TMI5330	4 to 28	4	125~1000k	2.2 to 22	17,22(Buck Leg) 17,22(Boost Leg)	15	CM	FCCM/PFM	Buck-Boost Synchronous Converter/ High Frequency	QFN4x4-25

车充及 USB 供电降压 DC/DC 转换器

	Part Number	V_{IN} Range(V)	I_{OUT} (A)	Switching Frequency(Hz)	V_{FB}(V)	I_q(mA)	HS/LS $R_{ds(on)}$(mΩ)	CS Limit	Operation Mode	Functions	Package	说明
Hot	TMI2242D	8.0 to 30	2.4	130k to 500k	0.8	10	80/60	64	FPWM	N+NMOS	ESOP8	
	TMI2243	4.5 to 30	2.4	120k	Fixed 5V Output	1	75/40	NA	PFM/PWM	P+NMOS/ Fixed 5V Output	SOP8	
	TMI2243D	4.5 to 30	2.4	120k	Fixed 5V Output	1	75/40	NA	PFM/PWM	P+NMOS// Fixed 5V Output/ 2.7V fixed D+/D-	SOP8	
	TMI2242E	8.0 to 30	2.4	130k to 500k	0.8	2	80/60	64	PFM/PWM	N+NMOS	ESOP8	
Hot	TMI2282L	4.5 to 30	2.4	120k to 440k	1.22	10	75/40	NA	FPWM	P+NMOS	SOP8	新设计推荐 TMI2293Q
	TMI2282	4.5 to 30	3.0	120k to 380k	1.22	10	60/35	NA	FPWM	P+NMOS	SOP8	新设计推荐 TMI2293Q
Hot	TMI2283QE	4.5 to 30	3.0	120k to 380k	1.22	1	45/25	NA	PFM/PWM	P+NMOS 24W Constant Power	SOP8	新设计推荐 TMI2293Q
	TMI2283QED	4.5 to 30	3.0	75k to 800k	1.22	1	45/25	NA	PFM/PWM	P+NMOS 24W Constant Power	SOP8	新设计推荐 TMI2293Q
Hot	TMI2286D	4.5 to 30	3.0	120k	1.22	1	25/25	NA	PFM/PWM	P+NMOS/EN Control/ Externa PMOS Dirver	SOP8	
	TMI2286	4.5 to 30	3.4	120k to 450k	1.22	1	25/25	NA	PFM/PWM	P+NMOS EN Control	SOP8	
	TMI2245	8.0 to 30	4.8	130k to 500k	0.8	1	40/ External	64	PFM/PWM	N+NMOS/ External LS MOS Driver	ESOP8	新设计推荐 TMI2293Q
Hot	TMI2284Q	4.5 to 40	3.4	120k to 380k	1.22	1	45/25	NA	PFM/PWM	P+NMOS/ High Voltage	SOP8	新设计推荐 TMI2294E
Hot	TMI2293Q	4.0 to 30	3.4	130k	1.14	0.5	60/30	61.2	PFM/PWM	/	SOP8	
	TMI2293E	4.0 to 30	3.4	130k	1.14	0.5	60/30	61.2	PFM/PWM	with EN	SOP8	
Hot	TMI2293HQ	4.0 to 30	3.5	500k	1.14	0.5	40/25	/	PFM/PWM	/	SOP8	
	TMI22934E	4.0 to 30	4.0	130k	1.14	0.5	35/12	61.2	PFM/PWM	/	SOP8	ES
	TMI22936E	4.0 to 30	6.0	130k	1.14	0.5	12/12	61.2	PFM/PWM	/	SOP8	ES
Hot	TMI2294	4.0 to 40	3.4	130k	1.14	0.5	55/32	61.2	PFM/PWM	/	SOP8	
Hot	TMI2294E	4.0 to 40	3.4	130k	1.14	0.5	55/32	61.2	PFM/PWM	with EN	SOP8	

Buck 控制器

	Part Number	V_{IN} Range(V)	I_{OUT}(A)	Switching Frequency (Hz)	V_{OUT}(V)	V_{FB}(V)	Soft Start（ms）	Control Mode	Operation Mode	Functions	Package
Hot	IM5200	4.0 to 36	>10	100k~1000k	0.8 to 36	0.8/DAC	Adj.	CM	PFM/ PWM	I^2C Control/DAC/ High Efficiency	QFN3x3-20
	TMI3451	4.0 to 36	>10	100k~1000k	0.8 to 36	0.8/DAC	Adj.	CM	PFM/ PWM	High Efficiency	QFN3x3-20
	TMI3452	3.5 to 36	>10	150k~500k	0.8 to 36	0.6	3.5	CM	PFM/ PWM	High Efficiency/EMI optimize	QFN3x3-16

Buck 控制器

	Part Number	V_{IN} Range(V)	I_{OUT}(A)	Switching Frequency (Hz)	V_{OUT}(V)	V_{FB}(V)	Soft Start（ms）	Control Mode	Operation Mode	Functions	Package
Hot	TMI3455	4.0 to 36	>10	100k~1000k	0.8 to 36	0.6	Adj.	CM	PFM/ PWM	I^2C Control/DAC/ High Efficiency/load-switch control	QFN3x3-20
	TMH39011F	5.5 to 120	10	150k/300k	12V/5V	/	2.7	COT	PFM/ PWM	Fixed 12V or 5V	QFN3X3-20
	TMH39011A	5.5 to 120	10	150k/300k	0.8 to 100	0.8	2.7	COT	PFM/ PWM	Vout Adj.	QFN3X3-20
	TMH39001F	5.5 to 120	10	150k/300k	12V/5V	/	2.7	COT	FPWM	Fixed 12V or 5V	QFN3X3-20
	TMH39001A	5.5 to 120	10	150k/300k	0.8 to 100	0.8	2.7	COT	FPWM	Vout Adj.	QFN3X3-20

Buck-Boost 转换器

	Part Number	V_{IN} Range(V)	I_{OUT}(A)	Switching Frequency (Hz)	V_{OUT}(V)	V_{FB}(V)	Soft Start（ms）	Control Mode	Operation Mode	Functions	Package	说明
	TMI5700	3.9 to 34	>8	100k~1000k	0.59 to 30	0.59/DAC	Adj.	CM	FCCM/ PFM/PWM	I^2C Control/DAC/ High Efficiency	QFN4x4-28	新设计推荐 TMI5700A
Hot	TMI5700A	3.9 to 36	>8	100k~1000k	0.59 to 30	0.59/DAC	Adj.	CM	FCCM/ PFM/PWM	I^2C Control/DAC/ High Efficiency	QFN4x4-28	
	TMI5810	2.8 to 32	>5	200k~600k	2.0 to 32	1	8ms	CM	PFM/PWM	Bi-directional Charger	QFN4x4-32	

线性稳压器
低压差线性稳压器

	Part Number	V_{IN} Range(V)	I_{OUT_Max}(A)	V_{OUT} or V_{FB}(V)	Accuracy	I_q(μA)	PSRR@ 1kHz (dB)	Noise (μV)	V_{Drop} (mV)	Functions	Package	说明
Hot	TMI6030	2.5 to 5.5	0.3	1.2/1.5/1.8/2.5/2.8/3.0/3.3/Adj. from 1.2V	±2%	50	70	200	320mV@300mA	High PSRR	SOT23-5	
	TMI6030C/D	2.5 to 5.5	0.3	1.2/1.5/1.8/2.5/2.8/3.0/3.3	±2%	50	70	200	320mV@300mA	High PSRR	SOT23/ DFN4L 1x1	
Hot	TMI6038/C/D	1.8 to 5.5	0.3	1.2/1.5/1.8/2.5/2.8/3.0/3.3	±2%	1.5	70	50	520mV@300mA	High PSRR/Low Iq/ Low Noise	SOT23-5/ SOT23-3/ DFN1x1-4L	1.5uA 低功耗
	TMI6028AI	1.8 to 5.5	0.3 per channel	1.8/2.8	±2%	1.5	70	50	520mV@300mA	Dual Channel LDO	PDFN3x2-6	
Hot	TMI6036/D	1.4 to 5.5	0.3	0.9/1.0/1.2/1.3/1.5/1.8/2.5/2.8/3.0/3.3	±1.5%	50	85	50	170mV@300mA	High PSRR Low Noise	SOT23-5/ DFN4L 1x1	支持输入低至 1.4V
	TMI6036A	1.4 to 5.5	0.5	0.9/1.0/1.2/1.3/1.5/1.8/2.5/2.8/3.0/3.3	±1.5%	50	85	50	170mV@300mA	High PSRR Low Noise	SOT23-5	支持输入低至 1.4V
Hot	TMI6056	1.4 to 5.5	0.6	0.8/1.2/1.5/1.8/2.5/2.8/3.0/3.3/ Adj. from 0.8V-5V	±2%	70	60	40	200mV@600mA	High PSRR Low Noise	SOT23-5	支持输入低至 1.4V
	TMI6056D	1.4 to 5.5	0.6	0.8/1.2/1.5/1.8/2.5/2.8/3.0/3.3/ Adj. from 0.55V-5V	±2%	70	60	40	200mV@600mA	High PSRR Low Noise	DFN2x2-6	支持输入低至 1.4V
Hot	TMI6050/B	2.5 to 5.5	0.6	1.2/1.5/1.8/2.5/2.8/3.0/3.3/ Adj.from 0.8V	±2%	75	60	200	600mV@600mA	Fast Response	SOT23-5	
	TMI6052	0.8 to 5.5	0.5	0.8/0.9/1.0/1.05/1.1/1.15/1.2/1.25/1.3/ 1.5/1.8/2.5/2.8/3.0/3.3/ 3.6/ Adj. from 0.8V-3.6V	±1%	85	80	25	90mV@500mA	High PSRR/Low Dropout/ Low Noise	SOT23-5/ SOT23-6	
	TMI6052D	0.8 to 5.5	0.5	0.8/0.9/1.0/1.05/1.1/1.15/1.2/1.25/1.3/ 1.5/1.8/2.5/2.8/3.0/3.3/ 3.6 / Adj. from 0.8V-3.6V	±1%	85	80	25	90mV@500mA	High PSRR/Low Dropout/ Low Noise	DFN1.2x1.2-6	
	TMI6058D	0.8 to 5.5	0.5	0.8/0.9/1.0/1.05/1.1/1.15/1.2/1.25/1.3/ 1.5/1.8/2.5/2.8/3.0/3.3/ 3.6	±1%	85	80	25	90mV@500mA	High PSRR/Low Dropout/ Low Noise	DFN2x2-6	
	IM7002X	3.2 to 5.5	0.15	1.8/2.8/3.0/3.3	±2%	0.3	35	200	400mV@150mA	Ultra-low Iq	SOT23-5 SOT23-6 STSLP-4	

低压差线性稳压器

	Part Number	V_{IN} Range(V)	I_{OUT_Max}(A)	V_{OUT} or V_{FB}(V)	Accuracy	I_q(μA)	PSRR@ 1kHz (dB)	Noise (μV)	V_{Drop} (mV)	Functions	Package
Hot	TMI6011	1.1 to 6.5	1.2	0.8 to 5.5	±1%	3000	52	10	75mV@1.2A	Low Iq Low Noise	DFN3x3-8
	TMI6013	1.1 to 6.5	3	0.5 to 5.5	±1%	4000	60	10	180mV@3A	Low Noise Low Dropout High PSRR	QFN3.5x3.5-20
	TMI6201A-XX	3.0 to 18	0.15	5.0/3.3/3.0/2.8/2.5	±2%	3	35	100	660mV@150mA	High Voltage Low Iq	SOT23-3
Hot	TMI6411-XXTA/ TB/TD/TE/TF/DA	3.5 to 36	0.2	1.8/2.5/2.8/3.0/3.3/3.4/5.0	±1%	2.5	55	90	VOUT=5V/400mV@100mA	Ultra Low Supply Current	SOT89-3/ SOT89-5/ SOT23-3/ TO92/ SOT23-5/ DFN3x3-8

DDR VTT 终端稳压器

Part Number	V_{IN} Range(V)	Output Current (A)	REFOUT current(mA)	VLDOIN(V)	VREFIN	I_q(μA)	VOSNS(V)	Functions	Package
TMI62033	2.5 to 3.3	3	25	1.1 to 3.5	0.5 to 1.8	1	0.6 to 1.25	PGOOD/VOSNS/UVLO/SS/OCL	DFN3x3-10

PMIC

多通道 DC/DC PMIC

	Part Number	V_{IN} Range (V)	Output Channels	I_{OUT}(A)	Switching Frquency(Hz)	V_{FB}(V)	I_q of each Channel(μA)	Functions	Package	说明
Hot	TMI7003B	2.7 to 6	3	1/1/1	2.3M	0.6	40	3 Channels Low Voltage Buck/ High Frequency	QFN3x3-20	高频
Hot	TMI7003C	2.5 to 5.5	3	1.5/ 1.5/ 1.5	1.5M	0.6	40	3 Channels Low Voltage Buck	QFN3x3-20	通用主推
	TMI7205B-Q1	4.5 to 30	4	1/1/1/0.3	1.5M/2.3M	0.8/0.6/0.6/1.2	350/50/50/1.5	1 Channel High Voltage Buck 2 Channels Low Voltage Buck 1 Channel Low Voltage LDO	QFN4x4-24	
Hot	TMI7206-11-Q1	4 to 28	4	1.5/1.5/1/0.3	2.1M/2.1M/2.1M	0.8VFB/1.1V/1.8V /Adj.	10000	1 Channel High Voltage Buck 2 Channels Low Voltage Buck 1 Channel Low Voltage LDO	QFN3x3-16	AEC-Q100
Hot	TMI7206-12-Q1	4 to 28	4	1.5/1.5/1/0.3	2.1M/2.1M/2.1M	0.8VFB/1.2V/1.8V /Adj.	10000	1 Channel High Voltage Buck 2 Channels Low Voltage Buck 1 Channel Low Voltage LDO	QFN3x3-16	AEC-Q100

LNB 供电专用 PMIC

	Part Number	V_{IN} Range (V)	Output Channels	I_{OUT}(A)	Switching Frquency(Hz)	V_{FB}(V)	I_q of each Channel(μA)	Functions	Package	说明
	STI8036	9.0 to 14	0.5	1M	14/ 19	0.12	40	Boost + Linear Regulator/ For Electrolytic Cap.	ESOP8	新设计推荐 STI8036B
Hot	STI8036B	9.0 to 14	0.5	1M	14/ 19	0.12	40	Boost + Linear Regulator/ For Electrolytic Cap./ High Accuracy	ESOP8	通用主推
Hot	TMI8037	9.0 to 14	0.5	1M	14/ 19	0.12	40	Boost + Linear Regulator/ For Electrolytic Cap./ High Accuracy	ESOP8	通用主推
	TMI8038	9.0 to 14	0.5	1M	14/ 19	0.12	40	Boost + Linear Regulator/ For Electrolytic Cap./ Small Package	MSOP8	新设计推荐 STI8036B
	TMI8135	9.0 to 14	0.5	1M	14/ 19	0.12	40	Boost + Linear Regulator/ For Electrolytic Cap.	ESOP8	新设计推荐 STI8036B
	TMI8100	9.0 to 14	0.5	1M	14/ 19	0.12	40	Boost + Linear Regulator/ For Electrolytic Cap. / Small Package	CPC8	新设计推荐 STI8036B

Type-C/ 拓展坞 PMIC

	Part Number	V_{IN} Range(V)	I_{OUT}(A)	Switching Frequency(Hz)	V_{OUT}(V)	$R_{ds(on)}$(mΩ) for Buck Leg/Boost Leg	Soft Start(ms)	Control Mode	Operation Mode	Functions	Package	说明
Hot	IM2605	3.7 to 23	4	300k~450k	1.25~5	35,20(Buck Leg) 15,20(Boost Leg)	1.35	CM	FCCM/PFM/PWM	Buck-Boost Synchronous Converter/ High Frequency/Power Path Control	QFN4x4-28	
	IM2603	3.5 to 26	5	475k	1.25~5	40(Buck HS)	2	CM	PFM/PWM	Buck Converter Support Synchronous and Asynchronous/Power Path Control	QFN3x3-16	
	IM2600	3.5 to 26	5	475k	1.25~5	40(Buck HS)	2	CM	PFM/PWM	Buck Converter Support Synchronous and Asynchronous / Bypass Mode/ Power Path Control	QFN3x3-20	
Hot	TMI2605S	3.7 to 23	4	300k~500k	1.25~5	35,20(Buck Leg) 15,20(Boost Leg)	3	CM	FCCM/PFM/PWM	Buck-Boost Synchronous Converter /High Frequency/ Power Path Control	QFN4x4-28	新设计主推

LED 驱动器

LED 背光驱动

	Part Number	V_{IN} Range(V)	V_{OUT} OVP(V)	I_{SW_Limit}(A)	Switching Frequency(Hz)	V_{FB}(V)	I_q(μA)	LS_FET $R_{ds(on)}$(Ω)	Control Mode	Functions	Package	说明
	STI9287	2.5 to 7.0	30	1.7	1.0M	0.2	20	0.2	CM	Non-sync.Boost	SOT23-6	新设计推荐 STI9287C
	STI9287B	2.7 to 7.0	30	1.5	1.0M	0.202	20	0.2	CM	Non-sync.Boost	SOT23-6	新设计推荐 STI9287C
Hot	STI9287C	2.7 to 5.5	30	1.5	1.2M	0.2	20	0.15	CM	Non-sync.Boost	SOT23-6	
	STI9287CA	2.7 to 5.5	30	1.5	1.2M	0.25	20	0.15	CM	Non-sync.Boost	SOT23-6	
	TMH53001	2.4 to 24	30	3.5	1.2M	0.2	80	0.08	COT	Non-sync.Boost	SOT23-6	ES
	TMH53001A	2.4 to 24	30	3.5	1.2M	0.25	80	0.08	COT	Non-sync.Boost	SOT23-6	ES

LED 照明驱动

	Part Number	V_{IN} Range(V)	I_{OUT}(A)	Switching Frequency(Hz)	V_{FB}(mV)	I_q(μA)	HS_FET $R_{ds(on)}$(Ω)	LS_FET $R_{ds(on)}$(Ω)	Control Mode	Functions	Package	说明
Hot	TMI5101	2.5 to 5.5	1	1.5M	100	50	0.29	0.18	CM	PFM/PWM	SOT23-5	
	TMI5102	2.5 to 5.5	2	1.0M	100	50	0.15	0.07	CM	PFM/PWM	SOT23-5	
	TMI5202	4 to 24	1.5	0.9M	100	350	0.22	0.12	CM	PFM/PWM/ 1% PWM Dimming	SOT23-6	
	TMI5222D	4 to 24	1.5	0.9M	100	350	0.22	0.12	CM	Dual Channel PWM Dimming	DFN2x2-10	
Hot	TMI5302	4.5 to 30	2	1.0M	100	350	0.14	0.07	CM	PFM/PWM/ 1% PWM Dimming	SOT23-6	高精度

保护、开关和复位

负载开关

Part Number	V_{IN} Range(V)	Output Channels	Current Limit(A)	$R_{ds(on)}$(mΩ)	Output Reverse Voltage Protection	FLAG Signal	Output Discharge	EN Logic	Package	说明
TMI6260A	2.5 to 5.5	1	Adj.	60	Y	N	N	H	SOT23-5	新设计推荐 TMI6263BH
TMI6260C	2.5 to 5.5	1	Adj.	60	Y	Y	N	H	SOT23-6	新设计推荐 TMI6263BH

负载开关

	Part Number	V_{IN} Range(V)	Output Channels	Current Limit(A)	$R_{ds(on)}$(mΩ)	Output Reverse Voltage Protection	FLAG Signal	Output Discharge	EN Logic	Package	说明
	TMI6260D	2.5 to 5.5	1	Adj.	60	Y	Y	N	H	DFN2x2-6	新设计推荐 TMI6263BH
	TMI6261B	2.5 to 5.5	1	1.5	60	Y	Y	N	H	SOT23-5	新设计推荐 TMI6263BH
	TMI6261C	2.5 to 5.5	1	2.1	60	Y	Y	N	H	SOT23-5	新设计推荐 TMI6263BH
Hot	TMI6262AL	2.5 to 5.5	1	Adj.	60	Y	N	N	L	SOT23-5	
Hot	TMI6263AH	2.5 to 5.5	1	2.5	60	Y	Y	Y	H	SOT23-5	
Hot	TMI6263AL	2.5 to 5.5	1	2.5	60	Y	Y	Y	L	SOT23-5	
Hot	TMI6263BH	2.5 to 5.5	1	Adj.	60	Y	N	Y	H	SOT23-5	
	TMI6263CH	2.5 to 5.5	1	2.4	60	Y	N	Y	H	SOT23-5	
	TMI6267AH	2.5 to 5.5	1	1.5	60	Y	Y	Y	H	SOT23-5	
	TMI6283H	2.4 to 18	2	2	100	Y	N	Y	H	QFN3x3-16	
Hot	TMI6266	2.5 to 5.7	2	6	17	N	N	Y	H	DFN2x3-14	双路 6A

电源开关

	Part Number	V_{IN} Range (V)	Current Limit (A)	$R_{ds(on)}$ (mΩ)	Input OVP (V)	Output Reverse Voltage Proection	Output Discharge	Soft Start	Package	说明
Hot	TMI6240	2.7 to 18	4	50	19.1	N	Y	Ext. Css Adj.	SOT23-5	
Hot	TMI6240I	2.7 to 17	6	75	18.5	N	Y	Ext. Css Adj.	PDFN3x2-6	
	TMI6240IA	2.7 to 17	6	75	18.5	N	Y	SS floating or Ext. Css Adj.	PDFN3x2-6	可编程 SS(默认 1.2mS)
Hot	TMI6250I	2.7 to 17	6	50	18.5	N	Y	Ext. Css Adj.	PDFN3x2-6	
	TMI6250IA	2.7 to 17	6	50	18.5	N	Y	SS floating or Ext. Css Adj.	PDFN3x2-6	可编程 SS(默认 1.2mS)
	TMI6240S	2.7 to 18	6	50	19.1	N	Y	Ext. Css Adj.	ESOP8	
	TMI6220	2.7 to 18	3.5	80	19.1	N	Y	Ext. Css Adj.	SOT23-5	
Hot	TMI6241	2.7 to 6.0	4	60	6.4	N	Y	Ext. Css Adj.	SOT23-5	
	TMI6241A	2.7 to 18	4	60	19.1 OVP 5.7V Clamp	N	Y	Ext. Css Adj.	SOT23-5	
	TMI6241D	2.7 to 18	4	60	19.1 OVP 5.7V Clamp	N	Y	Ext. Css Adj.	DFN3x3-10	
Hot	TMI6401	2.7 to 38	2.5	160	6 OVP 5.7V Clamp	N	Y	Fixed	SOT23-6	
	TMI6402	2.7 to 38	1.7	160	6.6 OVP 5.7V Clamp	N	Y	Fixed	DFN2x2	
Hot	TMI6402T	2.7 to 38	1.7	160	6.6 OVP 5.7V Clamp	N	Y	Fixed	DFN1.6x1.6	

复位芯片

	Part Number	V_{IN} Range (V)	I_q (μA)	Monitor Voltage Threshold (V)	Accuracy	Reset Signal Delay Time (ms)	Output Status	Package
Hot	TMI6809	1.0 to 5.5	5	2.32/ 2.63/ 2.93/3.08/4.00/ 4.38/ 4.63	±2%	240	Low Logic Push-pull	SOT23-3
	TMI6810	1.0 to 5.5	5	2.32/ 2.63/ 2.93/ 3.08/4.00/ 4.38/ 4.63	±2%	240	High Logic Push-pull	SOT23-3
	TMI6803	1.0 to 5.5	5	2.32/ 2.63/ 2.93/3.08/4.00/ 4.38/ 4.63	±2%	240	Low Logic Open Drain	SOT23-3

断电保护 Dying Gasp

Part Number	V_{in} Range (V)	$I_{Release}$(A)	$V_{Storage\_Max}$ (V)	I_{Charge} (A)	V_{FB1} (V)	V_{FB2} (V)	Function	Package
TMI5111	5.0 to 18	2	28	0.3	1	1	Charge Pump + Linear Regulator	SOP8

PWM Controllers and SR Controllers

AC/DC

	Part Number	V_{IN} Range(V)	Switching Frequency(Hz)	MOSFET BVDSS(V) $R_{ds(on)}$	BJT V_CBO(V)	HV Start-up	Protection	Soft Start	Feedback	Operation Mode	Package
Hot	TMI9713	9.5 to 91	80k/ 130K(Peak load)	-	-	-	OCP/OLP/OVP/OTP/BO/SCP/VDD_ OVP/VDD_UVLO	Y	SSR ⩽ 100W	CCM/DCM/QR	SOT23-6
	TMI9713E	9.5 to 91	80k/ 130K(Peak load)	-	-	-	OCP/OLP/OVP/OTP/BO/SCP/VDD_ OVP/VDD_UVLO	Y	SSR ⩽ 100W	CCM/DCM/QR	SOT23-6
	TMI9713A/C	9.5 to 91	80k/ 130K	-	-	-	OCP/OLP/OVP/OTP/BO/SCP/VDD_ OVP/VDD_UVLO	Y	SSR ⩽ 65W	CCM/DCM/QR	SOT23-6
	TMI9723	5.1 to 22	90k	-	800V	-	OCP/OTP/BO/SCP/ VDD_OVP/VDD_UVLO	N	PSR ⩽ 10W	DCM	SOP7
	TMI97051	8.2 to 55	65k	-	-	-	OCP/OTP/BO/SCP/ VDD_OVP/VDD_UVLO	Y	SSR ⩽ 65W	CCM/DCM	SOT23-6
	TMI9703E	8.2 to 55	65k	650V/0.5Ω	-	-	OCP/OTP/BO/SCP/ VDD_OVP/VDD_UVLO	Y	SSR ⩽ 35W	CCM/DCM	ESOP6

PoE 供电

PoE-PD

	Part Number	PoE Standard	PD max power level (W)	Operating temperature (°C)	Absolute Maximum V_{IN} (V)	DC/DC control	Switching max Frequency(KHz)	MOSFET BVDSS(V)/$R_{ds(on)}$	PoE inrush limit (mA)	PoE current limit (mA)	Functions	Package
Hot	TMI7301	IEEE 802.3af	15	-40~105	100	PD only	/	PD: Internal/100V/0.6Ω	150	450	Auto-MPS,PG indicator	SOP8
	TMI7302A	IEEE 802.3af	15	-40~105	100	PD only	/	PD: Internal/100V/0.6Ω	150	450	Auto-MPS,PG indicator	SOP8
	TMI7302D	IEEE 802.3af	15	-40~105	100	PD only	/	PD: Internal/100V/0.6Ω	150	450	Auto-MPS,PG indicator	SOP8
	TMI7302E	IEEE 802.3af	15	-40~85	100	PD only	/	PD: Internal/100V/0.6Ω	85	650	RDET internal, Class 0 default	SOT23-3
Hot	TME7311	IEEE 802.3af	15	-40~105	100	PD only	/	PD: Internal/100V/0.6Ω	100	740	RDET internal,Auto-MPS internal,PG indicator	SOP8
	TME7312	IEEE 802.3af	15	-40~105	100	PD only	/	PD: Internal/100V/0.6Ω	100	740	RDET internal,Auto-MPS internal,PG indicator	SOP8

PoE-PD

	Part Number	PoE Standard	PD max power level (W)	Operating temperature (°C)	Absolute Maximum V_{IN} (V)	DC/DC control	Switching max Frequency(KHz)	MOSFET BVDSS(V)/$R_{ds(on)}$	PoE inrush limit (mA)	PoE current limit (mA)	Functions	Package	说明
	TMI7303A	IEEE 802.3af/ at	30	-40~105	100	PD only	/	PD: Internal/100V/0.48Ω	180	920	Auto-MPS,PG indicator,T2P indicator,Aux power	DFN3x3-10	
	TMI7303B	IEEE 802.3af/ at	30	-40~105	100	PD only	/	PD: Internal/100V/0.48Ω	180	920	Auto-MPS,PG indicator,T2P indicator,Aux power	DFN3x3-10	
Hot	TMI7303C	IEEE 802.3af/ at	30	-40~105	100	PD only	/	PD: Internal/100V/0.48Ω	180	920	PG indicator, T2P indicator ,Aux power	ESOP8	
	TMI7303D	IEEE 802.3af/ at	30	-40~105	100	PD only	/	PD: Internal/100V/0.48Ω	180	920	Auto-MPS,PG indicator,T2P indicator	DFN3x3-10	
	TME7313A	IEEE 802.3af/ at	30	-40~105	100	PD only	/	PD: Internal/100V/0.38Ω	100	1000	RDET internal,Auto-MPS internal,PG indicator，T2P indicator,Aux power	DFN3x3-10	
	TME7313B	IEEE 802.3af/ at	30	-40~105	100	PD only	/	PD: Internal/100V/0.38Ω	100	1000	RDET internal,Auto-MPS internal,PG indicator，T2P indicator,Aux power	DFN3x3-10	
Hot	TME7313C	IEEE 802.3af/ at	30	-40~105	100	PD only	/	PD: Internal/100V/0.38Ω	100	1000	RDET internal,Auto-MPS internal,PG indicator，T2P indicator,Aux power	ESOP8	
	TMI7325B	IEEE 802.3af	13	-40~105	100	PD and DCDC and MOS	550	PD: Internal/100V/0.6Ω DCDC: Internal/160V/0.8Ω	150	450	PWM,Auto-MPS,Flyback-SSR/ Isolation Boost/No-Isolation	DFN4x6-20	
	TMI7326A	IEEE 802.3af	13	-40~105	100	PD and DCDC and MOS	200	PD: Internal/100V/0.48Ω DCDC: Internal/160V/0.8Ω	120	600	PFM,PG indicator, T2P indicator ,Aux power,Flyback-PSR/Isolation Buck/No-Isolation	QFN4x5-28	
	TMI7326B	IEEE 802.3af	13	-40~105	100	PD and DCDC and MOS	200	PD: Internal/100V/0.48Ω DCDC: Internal/160V/0.8Ω	120	600	PFM,Auto-MPS,PG indicator,T2P indicator,Aux power,Flyback-PSR/Isolation Buck/No-Isolation	QFN4x5-28	
	TMI7327A	IEEE 802.3af	13	-40~105	100	PD and DCDC and MOS	300	PD: Internal/100V/0.48Ω DCDC: Internal/160V/0.8Ω	120	600	PFM,PG indicator, T2P indicator ,Aux power,Flyback-PSR/Isolation Buck/No-Isolation	QFN4x5-28	
	TMI7327B	IEEE 802.3af	13	-40~105	100	PD and DCDC and MOS	300	PD: Internal/100V/0.48Ω DCDC: Internal/160V/0.8Ω	120	600	PFM,Auto-MPS,PG indicator,T2P indicator,Aux power,Flyback-PSR/Isolation Buck/No-Isolation	QFN4x5-28	
	TMI7320	IEEE 802.3af	13	-40~105	100	PD and DCDC and MOS	200	PD: Internal/100V/0.6Ω DCDC: Internal/160V/0.8Ω	150	450	PFM,Auto-MPS,PG indicator,Flyback-PSR/ Isolation Buck/No-Isolation	QFN4x5-28	
Hot	TMI7321	IEEE 802.3af	13	-40~105	100	PD and DCDC and MOS	300	PD: Internal/100V/0.6Ω DCDC: Internal/160V/0.8Ω	150	450	PFM,Auto-MPS,PG indicator,Flyback-PSR/ Isolation Buck/No-Isolation	QFN4x5-28	
Hot	TME7352	IEEE 802.3af	13	-40~105	100	PD and DCDC and MOS	195	PD: Internal/100V/0.6Ω	100	740	RDET internal,Auto-MPS internal,Flyback-PSR/ Isolation	SOP16	AUTO-MPS
	TME7350	IEEE 802.3af	13	-40~105	100	PD and DCDC and MOS	195	PD: Internal/100V/0.6Ω	85	650	RDET internal, Class 0 default,Flyback-PSR/Isolation	SOP8	
Hot	TME7361	IEEE 802.3af	13	-40~105	80	PD and DCDC and MOS	480	PD: Internal/100V/0.6Ω	100	740	RDET internal, Class 0 default,Buck DCDC	ESOP8	非隔离

PoE-PSE

	Part Number	PoE Standard	Absolute Maximum VIN (V)	Operating temperature (°C)	PSE Ports	MOSFET	MPS Method	Rsense	Work Mode	Interface	EEPROM interface	LED Control	Package
Hot	TMI7604R	IEEE 802.3af/at	90	-40~85	4	Internal	DC Disconnect	Internal	Auto/ Semi-Auto/ Manual	I^2C	Y	Y	QFN7x7-48
	TME7624A	IEEE 802.3af/at	90	-40~85	4	external	DC Disconnect	external	Auto/ Semi-Auto/ Manual	I^2C	Y	Y	QFN5x5-32
	TME7624	IEEE 802.3af/at	90	-40~85	4	external	DC Disconnect	external	Auto/ Semi-Auto/ Manual	I^2C	Y	Y	QFN5x5-32
Hot	TMI7608	IEEE 802.3af/at	90	-40~85	8	Internal	DC Disconnect	External/ 0.24Ω	Auto/ Semi-Auto/ Manual	I^2C	Y	Y	QFN7x7-48
Hot	TMI7608R	IEEE 802.3af/at	90	-40~85	8	Internal	DC Disconnect	Internal	Auto/ Semi-Auto/ Manual	I^2C	Y	Y	QFN7x7-48

PoE-PSE

	Part Number	PoE Standard	Absolute Maximum VIN (V)	Operating temperature (°C)	PSE Ports	MOSFET	MPS Method	Rsense	Work Mode	Interface	EEPROM interface	LED Control	Package
Hot	TMI7608S	IEEE 802.3af/at	90	-40~85	8	Internal	DC Disconnect	Internal	Auto/ Semi-Auto/ Manual	I²C	Y	Y	QFN8x8-56
	TME7628R	IEEE 802.3af/at	90	-40~85	8	Internal	DC Disconnect	Internal	Auto/ Semi-Auto/ Manual	I²C	Y	Y	QFN7x7-48
	TME7628S	IEEE 802.3af/at	90	-40~85	8	Internal	DC Disconnect	Internal	Auto/ Semi-Auto/ Manual	I²C	Y	Y	QFN8x8-56

PoE-DC/DC

	Part Number	Absolute Maximum V_{IN} (V)	Operating temperature (°C)	Switching Frequency(KHz)	MOSFET	MOSFET BVDSS(V)/ $R_{ds(on)}$	DC/DC Topology	Operation Mode	Power level (W)	Package	说明
Hot	TMI97151	100	-40~105	550	Internal	160V/0.8Ω	Flyback-SSR/ Forward/Boost	PWM	13	ESOP8	
	TMI97153A	100	-40~105	200	Internal	160V/0.8Ω	Flyback-PSR/Isolation Buck/No-Isolation	PFM	13	DFN4x4-16	
Hot	TMI97153B	100	-40~105	200	Internal	160V/0.8Ω	Flyback-PSR/Isolation	PFM	13	ESOP8	
	TMI97153C	100	-40~105	200	Internal	160V/0.8Ω	Buck/No-Isolation	PFM	13	ESOP8	
	TME97211	100	-40~105	195	Internal	200V/0.5Ω	Flyback-PSR/Isolation	PFM	13	SOP-7L	
	TME97212	100	-40~105	195	Internal	200V/0.5Ω	Flyback-PSR/Isolation	PFM	13	SOP8	
	TME97220	100	-40~105	195	external	/	Flyback-PSR/Isolation	PFM	25	SOT23-6	小封装

电源模块

降压电源模块

	Part Number	V_{IN} Range(V)	I_{OUT}(A)	Switching Frequency(Hz)	V_{OUT}(V)	V_{FB}(V)	HS_FET $R_{ds(on)}$(Ω)	LS_FET $R_{ds(on)}$(Ω)	Inductor(uH)	Control Mode	Operation Mode	Functions	Package
	IM6001	2.7 to5.5	1	3M	1 to 5	0.6/ Programmed	0.12	0.06	0.47	COT	FCCM/PFM/ PWM	High Frequency / Ultra-low Iq	QFN3x3-13
Hot	TMIP3130	2.5 to 6.0	3	3M	0.6 to 5	0.6	0.05	0.04	0.47	COT	FCCM/PFM/ PWM	High Frequency / Ultra-low Iq/ PG	QFN2.5×3.5-18

音频产品

音频功放

	Part Number	Channel	Power@10% THD Po（W)	V_{DD}(V)	impedance_Min. RL (Ω)	Gain Gv(dB)	THD+N (%)	Protection	Fuction	Package	说明
Hot	TMS8010	Mono	3.2	2.5~6.0	3	320/Rin	0.035	SCP/OTP/UVLO	NCN/Dual Mode	SOP8/ MSOP8	
	TMS8010N	Mono	3.2	2.5~6.0	3	320/Rin	0.035	SCP/OTP/UVLO	Class D	SOP8	
Hot	TMS8020xx	Mono	3.0	2.5~5.5	3	320/Rin	0.035	SCP/OTP/UVLO	NCN/Dual Mode	DFN2x2-8/ MSOP8	
	TMS8003	Mono	3.0	2.5~5.5	3	300/Rin	0.02	SCP/OTP/UVLO	Class D	COL9	
	TMS8007	Mono	3.0	2.5~5.5	3	300/Rin	0.02	SCP/OTP/UVLO	Class D	DFN2x2-8/ MSOP8/ SOP8	
Hot	TMS8008	Mono	3.0	2.5~5.5	3	300/Rin	0.02	SCP/OTP/UVLO	Class D	DFN2x2-8/ MSOP8	
	TMS8525	Mono	18.0	5~18.5	3	26	0.012	SCP/OTP/UVLO	SCPL, SSM	eSOP-16	
	TMS8201E	Stereo	3.0	2.5~6.5	3	-80~24	0.02	SCP/OTP/UVLO	HP，VOL，PL	eSOP-16	无喇叭保护

音频功放

	Part Number	Channel	Power@10% THD Po（W)	V_{DD}(V)	impedance_Min. RL (Ω)	Gain Gv(dB)	THD+N (%)	Protection	Fuction	Package	说明
Hot	TMS8203E	Stereo	3.0	2.5~5.5	3	-80~24	0.02	SCP/OTP/UVLO	HP， VOL， PL	SSOP-24	
Hot	TMS8213E	Stereo	3.0	2.5~5.5	3	-80~20	0.02	SCP/OTP/UVLO	HP， VOL， NCPL	QFN3x3-20 QFN4x4-20	
	TMS8211	Stereo	3.0	2.5~5.5	3	-80~24	0.02	SCP/OTP/UVLO	VOL，NCPL	SOP-16	不带耳机输出
	TMS8609B	Stereo	10.0	5.0~15.5	4	20~36	0.012	SCP/OTP/UVLO	SCPL, SSM，PBTL	eTSSOP-28	
	TMS8609D	Stereo	10.0	8.0~15.5	4	26	0.012	SCP/OTP/UVLO	SSM	eTSSOP-28	
	TMS8609E	Stereo	10.0	8.0~15.5	4	26	0.012	SCP/OTP/UVLO	SCPL, SSM,PBTL	eTSSOP-28	
Hot	TMS8609F	Stereo	10.0	8.0~15.5	4	20~36	0.012	SCP/OTP/UVLO	SCPL, SSM,PBTL	eTSSOP-28	
	TMS8601	Stereo	10.0	8.0~15.5	4	32	0.012	SCP/OTP/UVLO	SSM	eSOP-16	

MCU

MCU

Part Number	V_{IN} Range(V)	Core	Freq.(MHz)	Memory	RAM	Functions	Package
TMU003	2.0 to 5.5	8051	32M	16KB Flash	1KB	16KB flash, 1KB RAM,18 I/O, PTM, UART, SPI, I2C, 13 ADC, 2 CMP etc.	TSSOP20 QFN20

Local Dimming

LED Dimmer IC

	Part Number	Vcc Range(V)	I_{OUT}(mA)	VLEDmax(V)	channel	Dimming option	PWM Control	Totp(℃)	Package
	TMI9404	3.0 to 5.5	40mA	40	4	PWM	PWM：12bit	120	DFN2x2-10
Hot	TMI9405	3.0 to 5.5	80mA	40	4	PWM	PWM：12bit	120	DFN2x2-10
	TMI9408	3.0 to 5.5	80mA	40	4	PWM/DC	PWM：12-16bit DC：8/10/12/16bit Hybrid：12bitPWM+4bitDC/10bitPWM+6bitDC	120	DFN2x2-10
	TMI9410	3.0 to 5.5	142mA	40	8	PWM/DC	PWM：12-16bit DC：8bit Hybrid：12bitPWM+4bitDC/10bitPWM+6bitDC	120	QFN3x3-16
	TMI9416	3.0 to 5.5	80mA	40	16	PWM/DC	PWM：12-16bit DC：8/10/12/16bit Hybrid：12bitPWM+4bitDC/10bitPWM+6bitDC	120	QFN24

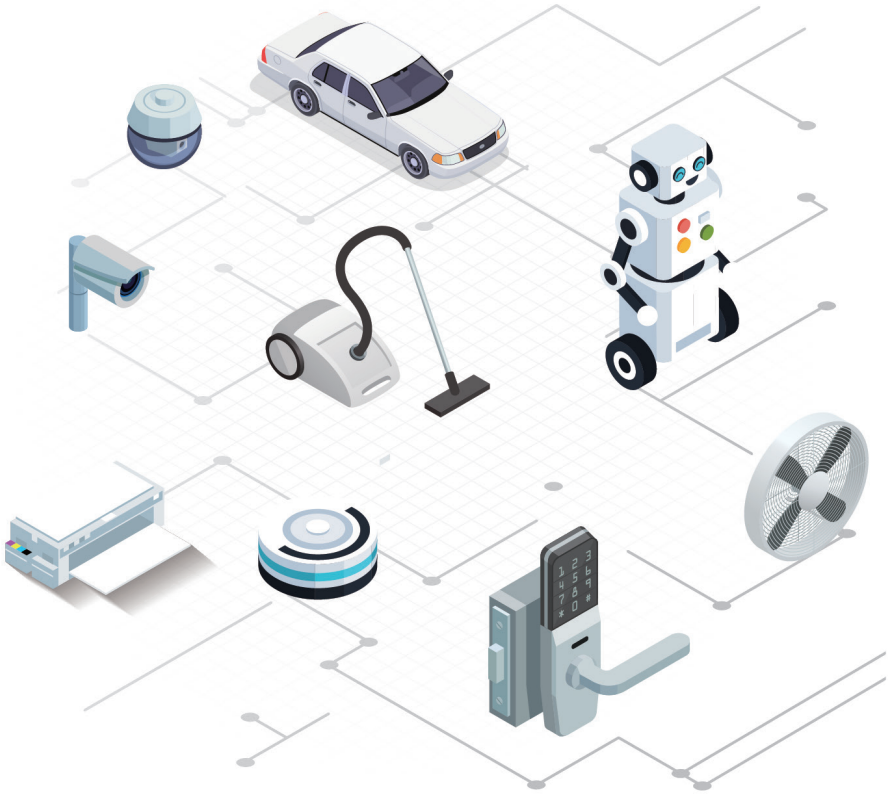
BCON

Part Number	Vcc Range(V)	I_{OUT}(mA)	VLEDmax(V)	channel	Dimming option	PWM Control	Totp(℃)	Package
TMI8D100	3.3 to 5.0	50M	20M	4k/8k bit	32	15bit	Dimmer Driver/SPI interface/CRC check/feedback	LQFP100L

拓尔马达驱动芯片

Motor Driver Chips

拓尔的马达驱动产品涵盖全集成式有刷全桥驱动、半桥栅极驱动、全桥栅极控制器、三相半桥栅极驱动、全集成式步进驱动、专用型马达驱动、高边驱动、低边驱动等，主要应用于智能家居如扫地机器人、洗地机、智能门锁等，工业应用如机器人、打印机等，汽车车身域产品如车窗、儿童锁等，产品覆盖高中低压、大中小电流范围，自带各种保护功能，产品可靠稳定，是智能化驱动的优先选择。



直流有刷马达驱动

直流有刷马达驱动

	Part Number	VM(V)	VCC (V)	Con./Peak Cur.(A)	$R_{ds(on)}$ (HS+LS) (Ω)	CC mode	Protection	Package	说明
	TMI8113/ TMI8118	1.6 to 7.2	/	1.35/2.0	0.55	-	TSD	SOT23-6	
	TMI8118S	1.6 to 7.2	/	1.45/2.0	0.53	-	TSD	SOP8	
	TMI8208	2.4 to 7.2	/	1.45/2.0	0.53	-	TSD	SOP8	
Hot	TMI8837	1.8 to 11	1.8 to 7.0	1.3/2.0	0.65	-	UVLO,TSD,OCP	DFN2x2-8	
	TMI8837S	1.8 to 11	1.8 to 7.0	1.1/1.5	0.65	-	UVLO,TSD,OCP	SOP8	
Hot	TMI8230	1.8 to 11	1.8 to 7.0	2.4/3.5	0.285	-	UVLO,TSD,OCP	DFN2x2-8	
	TMI8230S	1.8 to 11	1.8 to 7.0	1.8/3.5	0.285	-	UVLO,TSD,OCP	SOP8	
	TMI8260SP	3.0 to18	/	4.0/8.0	0.09	-	UVLO,TSD,OCP	SOP8	新设计推荐 TMI8260C
	TMI8260DP	3.0 to18	/	5.5/13.0	0.08	-	UVLO,TSD,OCP	DIP8	新设计推荐 TMI8270
Hot	TMI8270	3.0 to18	/	6.0/12.0	0.065	-	UVLO,TSD,OCP	PDFN5x6-8	
Hot	TMI8261	3.0 to18	/	5.0/8.0	0.065	-	UVLO,TSD,OCP	SOP8	
Hot	TMI8260C	3.0 to18	/	5.0/8.0	0.07	-	UVLO,TSD,OCP	SOP8	
	TMI8260FP	3.0 to 20	/	8.0/12.0	0.045	-	UVLO,TSD,OCP	DFN5x6_15	
Hot	TMI8340	5.0 to 30	/	4.0/8.0	0.091	-	UVLO,TSD,OCP	SOP8	
Hot	TMI8876/Q	4.5 to 37	/	2.0/3.5	0.49	Vref/Ipropi	UVLO,TSD,OCP	HTSSOP16 QFN3x3-16	
Hot	TMI8110	4.5 to 37	/	2.0/3.5	0.49	Vref/Ipropi	UVLO,TSD,OCP	ESOP8	
	TMI8180A	4.5 to 37	/	2.0/3.8	0.49	Vref/Ipropi	UVLO,TSD,OCP	ESOP8	新设计推荐 TMI8180D
Hot	TMI8180G	4.5 to 37	/	2.0/3.8	0.49	Vref/Ipropi	UVLO,TSD,OCP	ESOP8	高精度
Hot	TMI8180D	4.5 to 37	/	1.8A/3.8	0.45	Vref/Ipropi	UVLO,TSD,OCP	DFN3x3-8	
Hot	TMI8122	4.5 to 37	/	4.0/10.0	0.18	Vref/Ipropi	UVLO,TSD,OCP	HTSSOP16	
	TMI8123	4.5 to 37	/	3.5/10.0	0.18	Vref/Ipropi	UVLO,TSD,OCP	QFN4x4-16	
	TMI8130	6.0 to 40	/	3.5/7.0	0.16	Vref/Isense	UVLO,TSD,OCP	ETSSOP24	
Hot	TMI8460SP	5.0 to 40	/	4.0/8.0	0.095	-	UVLO,TSD,OCP	SOP8	
Hot	TMI8140	6.8 to 40	/	7.0/13.0	0.05	-	UVLO,TSD,OCP	DFN5x6-15	
Hot	TMI8870I	4.5 to 36	/	2.1/4	0.5	Vref/Isense	UVLO,TSD,OCP	ESOP8	
Hot	TMI8870D	4.5 to 36	/	1.8/4	0.53	Vref/Isense	UVLO,TSD,OCP	DFN3x2-8	小封装
	TMI8870	6.8 to 45	/	1.8/3.6	0.91	Vref/Isense	UVLO,TSD,OCP	ESOP8	新设计推荐 TMI8870I

两相有刷栅极驱动

	Part Number	VDD(V)	Input Mode	Adjustable Parameter	Channel	Driver MOS	Con./Peak Cur.(A)	Ton/ Toff(ns)	Protection	Package
	TMI8720PD	5.0 to 40	PWM	/	1 Full Bridge	P+N	Sink/Source: 0.20/0.05	600/150	UVLO,TSD,OCP	DFN3x3-10
Hot	TMI8723	5.0 to 40	PWM	Hardware control: VDS(OCP) 4 levels	1 Full Bridge	N+N	Sink/Source: 0.5/0.25	280/180	UVLO,TSD,OCP,SCP	QFN3x3-16
	TMI8723S	5.0 to 40	PWM	Hardware control: VDS(OCP) 4 levels	1 Full Bridge	N+N	Sink/Source: 0.5/0.25	280/180	UVLO,TSD,OCP,SCP	SOP16
Hot	TMI8723N	5.0 to 40	PWM/PHEN /Independent Half-Bridge	Hardware control: VDS(OCP) 4 levels, t(DEAD) 4 levels,	2 Half Bridge	N+N	Sink/Source: 0.5/0.25	280/180	UVLO,TSD,nFAULT,OCP,SCP	QFN4x4-24

交流同步电机驱动

Part Number	VM(V)	Input Mode	Channel	Con./Peak Cur.(A)	$R_{ds(on)}$ (HS+LS) (Ω)	Fuction	Protection	Package
TMI88225	4.5 to 28	EN/FR	1	1.0/1.6	1	50/60Hz sine wave	UVLO,TSD,OCP	ESOP8

高边或低边驱动

低边驱动

	Part Number	VM(V)	Input Mode	Channel	Con./Peak Cur.(A)	$R_{ds(on)}$(Ω)	Protection	Package	说明
	TMI8921	2.7 to 18	PWM	2	0.5/0.7	1.4	UVLO,TSD,OCP	SOT23-6	新设计推荐 TMI8920
Hot	TMI8920	2.7 to 37	PWM	2	0.5/0.7	1.4	UVLO,TSD,OCP	SOT23-6	
	TMI8940D	2.7 to 37	PWM	4	0.5/0.7	1.4	UVLO,TSD,OCP	DFN3x3-10	
Hot	TMI8913	2.7 to 37	PWM	1	4/8	0.1	UVLO,TSD,OCP,OVP	DFN3x3-10	

步进马达驱动

步进马达驱动

	Part Number	VM(V)	Input Mode	Channel	Con./Peak Cur. (A)	$R_{ds(on)}$ (HS+LS) (Ω)	CC mode	Protection	Package	说明
Hot	TMI8150B	2.4 to 5.5	SPI(1/128 step)	5	0.7	CH1~4: 1.3 CH5: 2.4	-	UVLO, TSD	QFN3x3-20	新设计推荐 TMI8152
Hot	TMI8152	2.4 to 5.5	SPI(1/128 step)	5	0.6	CH1~4: 1.3 CH5: 2.4	-	UVLO, TSD	QFN3x3-20	
Hot	TMI8160	2.4 to 5.5	SPI(1/256 step)	5	0.7	CH1~4: 1.3 CH5: 2.4	-	UVLO, TSD	QFN3x3-20	
Hot	TMI8152C	2.4 to 5.5	I^2C(1/256 step)	5	0.8	CH1~4: 1.2 CH5: 1.5	-	UVLO, TSD, OVP	QFN3x3-20	
	TMI8120	2.4 to 7	PWM	2	1.4/2.0	0.55	-	TSD	QFN3x3-20	
Hot	TMI8548	4.0 to 16	PWM	2	1.0/1.6	0.83	-	UVLO,TSD,OCP	SSOP10	
	TMI8549	4.0 to 16	PWM (1 line)	2	1.0/1.6	0.83	-	UVLO,TSD,OCP	SSOP10	新设计推荐 TMI8548

	Part Number	VM(V)	Input Mode	Channel	Con./Peak Cur. (A)	$R_{ds(on)}$ (HS+LS) (Ω)	CC mode	Protection	Package
Hot	TMI8421	6.0 to 35	STEP/DIR (1/16)	2	1.8/2.2	0.56	Vref/Isense	UVLO,TSD,OCP	QFN5x5-28
	TMI8264	8.0 to 37	PH/EN	2	1.6/2.0	0.9	Vref/Isense	UVLO,TSD,OCP	ETSSOP-24
	TMI8423	6.8 to 45	PWM	2	1.2/3.6	0.91	Vref/Isense	UVLO,TSD,OCP	HTSSOP20
Hot	TMI8262/Q	8.0 to 45	PH/EN	2	1.6/2.0	0.9	Vref/Isense	UVLO,TSD,OCP	HTSSOP-28 QFN5x5-28
Hot	TMI8263	8.0 to 45	Independent Half-Bridge	2	2.5/2.8	0.4	Vref/Isense	UVLO,TSD,OCP	HTSSOP-28
Hot	TMI8420/Q	8.0 to 45	STEP/DIR (1/32)	2	2.5/2.8	0.4	Vref/Isense	UVLO,TSD,OCP	HTSSOP-28 QFN5x5-28

直流无刷电机驱动

单相 & 三相直流无刷电机驱动

	Part Number	Function	VM(V)	Magnetic field Switching Threshold(mT)	Control Mode	Commulation	Con./Peak Cur.(A)	$R_{ds(on)}$ (HS+LS) (Ω)	sensor	Protection	Package	说明
	TMI85110	单相有感电机驱动	3.5 to 16	1.5	PWM (min speed setting)	Trapezoidal	0.6/1.0A	2.6	Sensored	UVLO,TSD,LRP、RVP	PDFN2×3-6	
Hot	TMI85120	单相有感电机驱动	3.5 to 16	3.0	PWM (min speed setting)	Trapezoidal	0.6/1.0A	2.6	Sensored	UVLO,TSD,LRP、RVP	SOIC8	
	TMI85120S	单相有感电机驱动	3.5 to 16	3.0	PWM (stop setting)	Trapezoidal	0.6/1.0A	2.6	Sensored	UVLO,TSD,LRP、RVP	SOIC8	
	TMI85121	单相有感电机驱动	3.5 to 16	1.5	PWM (min speed setting)	Trapezoidal	0.6/1.0A	2.6	Sensored	UVLO,TSD,LRP、RVP	SOIC8	
	TMI85121S	单相有感电机驱动	3.5 to 16	1.5	PWM (stop setting)	Trapezoidal	0.6/1.0A	2.6	Sensored	UVLO,TSD,LRP、RVP	SOIC8	
	TMI85122	单相有感电机驱动	3 to 18	1.5	PWM (min speed setting)	Trapezoidal	0.7/1.5A	1.5	Sensored	UVLO,TSD,LRP	SOIC8	ES
	TMI85302	3 相无感电机驱动	4.0 to 40	/	I^2C/PWM/Analog	Sinusoidal/ Trapezoidal	1.3/3.0A	0.51	Sensorless	UVLO,TSD,OCP, OVP	QFN3.5x3.5-20	
Hot	TMI85303	3 相无感电机驱动	4.0 to 40	/	I^2C/PWM/Analog	Sinusoidal/ Trapezoidal	1.5/3.0A	0.51	Sensorless	UVLO,TSD,OCP, OVP	QFN5x5-28	
	TMI85304	3 相无感电机驱动	4.0 to 40	/	I^2C/PWM/Analog	Sinusoidal/ Trapezoidal	1.5/3.0A	0.51	Sensorless	UVLO,TSD,OCP, OVP	QFN5x5-28	

无刷栅极驱动

Part Number	VDD(V)	VB max. (V)	Channel	Driver MOS	Input Mode	Con./Peak Cur.(A)	Ton/ Toff(ns)	TDEAD(ns)	Protection	Package	说明
TMI87162	10 to 20	600	1 Half Bridge	N+N	HIN, LIN	Sink/ Source: 0.3/0.6	220/200	/	UVLO	SOP8	
TMI87301-Q1	5.0 to 60	/	3 half bridge	N+N	HIN、LIN	Sink/ Source: 0.8/0.55	800/80	Adjust	UVLO,TSD,OCP	QFN4x4-28	车规物料

拓尔电池管理芯片

Battery Management Chips

拓尔的锂电保护芯片适用于单节至 14 节锂电池组中，主要应用产品有：手机、平板、穿戴设备、电动两轮车，储能，UPS、扫地机器人、清洁工具、电动工具等；实现在充电和放电过程中对电池组的过充电保护、过放电保护、欠压保护、过流保护、过温保护等，让您更轻松地设计出更高效、更持久、更可靠的电池供电应用。

锂电池充电管理

线性充电管理

	Part Number	V_{IN} (V)	V_{BAT} (V)	I_{CHG} (A)	I_{BAT_STB} (μA)	V_{OUT_Max} (V)	功能	封装（Package）	说明
Hot	TMI4054/H	2.0 to 8.0	4.2/4.35 ± 1%	Adj. up to 0.8	2.500	/	ICHG Adj.	SOT23-5	
	TMI4056/H	2.0 to 8.0	4.2/4.35 ± 1%	Adj. up to 1.0	2.500	/	ICHG Adj./NTC Thermal Sense	SOP8	新设计推荐 TMI4056E
	TMI4056D/DH	2.0 to 8.0	4.2/4.35 ± 1%	Adj. up to 1.0	2.500	/	ICHG Adj./NTC Thermal Sense	DFN3x3-6	新设计推荐 TMI4056E
Hot	TMI4056E/EH	2.0 to 8.0	4.2/4.35 ± 1%	Adj. up to 1.0	2.500	/	ICHG Adj./NTC Thermal Sense	ESOP8	

锂电池保护 IC

单节锂电池正极保护 IC

	Part Number	V_{OVP} (V)	V_{OVR} (V)	V_{UVP} (V)	V_{UVR} (V)	V_{COCP} (mV)	V_{DOCP1} (mV)	V_{SHORT} (mV)	Package	说明
Hot	TMI4010A	4.545	4.395	2.500	2.600	15	-15	40	CSP–8	单节正极保护

单节锂电池高精度负极保护 IC(外接检流电阻)

	Part Number	V_{OVP} (V)	V_{OVR} (V)	V_{UVP} (V)	V_{UVR} (V)	V_{COCP} (mV)	V_{DOCP1} (mV)	V_{DOCP2} (mV)	V_{SHORT} (mV)	Package
Hot	TMI4011DA	4.480	4.280	2.500	2.900	-18	12	17	42	DFN-6L（1.6x1.6）
Hot	TMI4011DB	4.510	4.310	2.300	2.500	-21	15	20	60	DFN-6L（1.6x1.6）
Hot	TMI4011DC	4.530	4.330	2.500	2.900	-18	12	17	42	DFN-6L（1.6x1.6）
Hot	TMI4011DD	4.560	4.360	2.300	2.500	-21	15	20	60	DFN-6L（1.6x1.6）
Hot	TMI4011DE	4.550	4.350	2.500	2.900	-18	12	17	42	DFN-6L（1.6x1.6）
Hot	TMI4011DF	4.580	4.380	2.300	2.500	-21	15	20	60	DFN-6L（1.6x1.6）
Hot	TMI4011DG	4.570	4.370	2.500	2.900	-18	12	17	42	DFN-6L（1.6x1.6）
Hot	TMI4011DH	4.600	4.400	2.300	2.500	-21	15	20	60	DFN-6L（1.6x1.6）
Hot	TMI4011DI	4.425	4.225	2.500	2.900	-18	12	17	42	DFN-6L（1.6x1.6）
Hot	TMI4011DJ	4.250	4.050	2.300	2.500	-21	15	20	60	DFN-6L（1.6x1.6）

高精度单节锂电负极保护 IC(外接检流电阻)

Part Number	V_{OVP} (V)	V_{OVR} (V)	V_{UVP} (V)	V_{UVR} (V)	V_{COCP} (mV)	V_{DOCP1} (mV)	V_{DOCP2} (mV)	V_{SHORT} (mV)	Package
TMI4015DA	4.425	4.225	2.500	2.700	-20	14	20	60	DFN-6L（1.57x1.9）
TMI4015DB	4.475	4.275	2.500	2.900	-27	21	33	75	DFN-6L（1.57x1.9）
TMI4015DC	4.495	4.295	2.500	2.700	-20	14	20	60	DFN-6L（1.57x1.9）
TMI4015DD	4.495	4.295	2.500	2.900	-27	21	33	75	DFN-6L（1.57x1.9）

Part Number	V_{OVP} (V)	V_{OVR} (V)	V_{UVP} (V)	V_{UVR} (V)	V_{COCP} (mV)	V_{DOCP1} (mV)	V_{DOCP2} (mV)	V_{SHORT} (mV)	Package
TMI4015DE	4.525	4.325	2.500	2.700	-20	14	20	60	DFN-6L（1.57x1.9）
TMI4015DF	4.530	4.330	2.350	2.550	-24	21	33	80	DFN-6L（1.57x1.9）
TMI4015DG	4.530	4.330	2.500	2.900	-18	11	15	42	DFN-6L（1.57x1.9）
TMI4015DH	4.560	4.360	2.300	2.500	-21	12	17	54	DFN-6L（1.57x1.9）
TMI4015DI	4.550	4.350	2.500	2.900	-18	11	15	42	DFN-6L（1.57x1.9）
TMI4015DJ	4.580	4.380	2.300	2.500	-21	12	17	54	DFN-6L（1.57x1.9）

单节锂电池通用负极保护 IC（MOS 内阻检流方式）

	Part Number	V_{OVP} (V)	V_{OVR} (V)	V_{UVP} (V)	V_{UVR} (V)	V_{COCP} (mV)	V_{DOCP1} (mV)	V_{SHORT} (mV)	Package
Hot	TMI4012DA	4.425	4.225	2.800	2.800	-50	50	150	DFN -6 (1.6x1.9)
Hot	TMI4012DB	4.425	4.225	2.800	3.000	-50	50	150	DFN -6 (1.6x1.9)
Hot	TMI4012DC	4.250	4.050	2.500	2.700	-50	50	150	DFN -6 (1.6x1.9)
Hot	TMI4012DD	4.250	4.050	2.500	2.900	-100	100	200	DFN -6 (1.6x1.9)
Hot	TMI4012DE	4.250	4.050	2.600	2.800	-150	150	300	DFN -6 (1.6x1.9)
Hot	TMI4012DF	4.280	4.080	2.400	2.800	-100	100	200	DFN -6 (1.6x1.9)
Hot	TMI4012DH	4.300	4.100	2.800	3.000	-150	150	350	DFN -6 (1.6x1.9)
Hot	TMI4012DI	4.425	4.225	2.800	3.000	-100	100	250	DFN -6 (1.6x1.9)
Hot	TMI4012DJ	4.425	4.225	2.800	3.000	-150	150	350	DFN -6 (1.6x1.9)
Hot	TMI4012DK	4.475	4.275	2.500	2.900	-50	50	150	DFN -6 (1.6x1.9)
Hot	TMI4012DL	4.475	4.275	2.800	3.000	-100	100	250	DFN -6 (1.6x1.9)
Hot	TMI4012DM	4.475	4.275	2.500	2.700	-150	150	350	DFN -6 (1.6x1.9)
Hot	TMI4012DN	4.495	4.295	2.500	2.900	-50	50	150	DFN -6 (1.6x1.9)
Hot	TMI4012DP	4.495	4.295	2.800	3.000	-100	100	250	DFN -6 (1.6x1.9)
Hot	TMI4012DQ	4.495	4.295	2.500	2.900	-150	150	350	DFN -6 (1.6x1.9)
Hot	TMI4012DR	4.515	4.315	2.500	2.900	-50	50	150	DFN -6 (1.6x1.9)
Hot	TMI4012DS	4.515	4.315	2.800	3.000	-100	100	250	DFN -6 (1.6x1.9)
Hot	TMI4012DT	4.515	4.315	2.500	2.700	-150	150	350	DFN -6 (1.6x1.9)
Hot	TMI4012SA	4.425	4.225	2.800	2.800	-50	50	150	SOT23-6
Hot	TMI4012SB	4.425	4.225	2.800	3.000	-50	50	150	SOT23-6
Hot	TMI4012SC	4.250	4.050	2.500	2.700	-50	50	150	SOT23-6

	Part Number	V_{OVP} (V)	V_{OVR} (V)	V_{UVP} (V)	V_{UVR} (V)	V_{COCP} (mV)	V_{DOCP1} (mV)	V_{SHORT} (mV)	Package
Hot	TMI4012SD	4.250	4.050	2.500	2.900	-100	100	200	SOT23-6
Hot	TMI4012SE	4.250	4.050	2.600	2.800	-150	150	300	SOT23-6
Hot	TMI4012SF	4.280	4.080	2.400	2.800	-100	100	200	SOT23-6
Hot	TMI4012SI	4.425	4.225	2.800	3.000	-100	100	250	SOT23-6
Hot	TMI4012SJ	4.425	4.225	2.800	3.000	-150	150	350	SOT23-6
Hot	TMI4012SU	4.400	4.200	2.800	3.000	-200	150	500	SOT23-6
Hot	TMI4012SV	4.250	4.050	2.500	2.700	-100	200	500	SOT23-6

2 节锂电池负极保护 IC

Part Number	V_{OVP} (V)	V_{OVR} (V)	V_{UVP} (V)	V_{UVR} (V)	V_{COCP} (mV)	V_{DOCP1} (mV)	V_{SHORT} (mV)	休眠自恢复功能	Package
TMI4023SA	4.250	4.050	2.500	2.900	-200	200	800	Yes	SOT23-6
TMI4023SB	4.280	4.080	2.800	3.200	-200	200	800	Yes	SOT23-6
TMI4023SC	4.300	4.100	2.800	3.200	-200	200	800	Yes	SOT23-6
TMI4023SD	4.250	4.050	2.500	2.900	-150	150	500	Yes	SOT23-6
TMI4023SE	4.425	4.225	2.500	2.900	-150	150	500	Yes	SOT23-6
TMI4023SF	4.475	4.255	2.500	2.900	-150	150	500	Yes	SOT23-6
TMI4023SH	4.280	4.080	2.800	3.200	-80	80	450	Yes	SOT23-6
TMI4023SI	4.280	4.080	2.800	3.200	-50	50	450	Yes	SOT23-6
TMI4023SJ	4.225	4.025	2.500	2.900	-170	200	500	Yes	SOT23-6
TMI4023SK	4.280	4.080	2.900	3.300	-200	200	500	Yes	SOT23-6

4/5 节锂电池负极保护 IC

Part Number	V_{OVP} (V)	V_{OVR} (V)	V_{BL} (V)	V_{UVP} (V)	V_{UVR} (V)	V_{DOCP} (V)	V_{COCP} (V)	过放锁定	断线检测	Package
SIT8995AN	4.250	4.150	4.200	2.700	3	0	0	Yes	Yes	TSSOP20
SIT8995BN	3.900	3.600	3.850	2.200	3	0	0	Yes	Yes	TSSOP20
SIT8995DN	3.750	3.550	3.515	2.200	3	0	0	Yes	Yes	TSSOP20

6/7 节锂电池负极保护 IC

Part Number	V_{OVP} (V)	V_{OVR} (V)	V_{BL} (V)	V_{UVP} (V)	V_{UVR} (V)	V_{DOCP} (V)	V_{COCP} (V)	过放锁定	断线检测	Package
SIT8997AN	4.250	4.150	4.200	2.700	3 .000	0	0	Yes	Yes	TSSOP20
SIT8997BN	3.900	3.600	3.850	2.200	3 .000	0	0	Yes	Yes	TSSOP20
SIT8997DN	3.750	3.550	3.515	2.200	3 .000	0	0	Yes	Yes	TSSOP20

7/8/9/10 节锂电池负极保护 IC

	Part Number	V_{OVP} (V)	V_{OVR} (V)	V_{BL} (V)	V_{UVP} (V)	V_{UVR} (V)	V_{DOCP} (V)	V_{COCP} (V)	过放锁定	断线检测	Package
Hot	TMI4101AN	4.250	4.150	4.200	2.700	3.000	0.100	0.050	Yes	Yes	SSOP28
Hot	TMI4101DN	3.750	3.550	3.515	2.200	2.700	0.100	0.040	Yes	Yes	SSOP28

11/12/13/14 节锂电池负极保护 IC

	Part Number	V_{OVP} (V)	V_{OVR} (V)	V_{BL} (V)	V_{UVP} (V)	V_{UVR} (V)	V_{DOCP} (V)	V_{COCP} (V)	过放锁定	断线检测	Package
Hot	TMI4151AN	4.250	4.150	4.200	2.700	3.000	0.100	0.050	Yes	Yes	TSSOP30
Hot	TMI4151DN	3.750	3.550	3.515	2.200	2.700	0.100	0.040	Yes	Yes	TSSOP30

拓尔接口控制芯片

Interface Control Chips

拓尔的接口控制类产品包括 USB Type-C PD 控制器、USB Type-C 电源管理芯片、USB Type-A 控制器和 USB Type-C&PD 控制器等，主要应用于旅充、车充、显示器、储能、扩展坞等产品。其中，Type-C PD 控制器和 Type-C 电源管理芯片可搭配使用，为环保的 Type-C 端口提供更加高效和安全的解决方案。

USB Type-C PD 控制器

USB A 口 /C 口快充协议芯片 (DFP)

	Part Number	VIN Range(V)	USB Port	PD	Protocol	Feedback	Load Switch	VCONN	Functions	Protection	Package	说明
	IM2406	3.0 to 24	C	PD2.0/ PD3.0 with PPS	DCP,Apple2.4A,QC2.0/3.0/4.0/ 4.0+,FCP,SCP,AFC,PE	OPTO/I²C	NMOS	Yes	With TID, Max100W	OVP,UVP,OCP,OTP,TSOTP,etc.	QFN4x4-16	
	IM2403A	3.0 to 24	A+C	PD2.0/ PD3.0 with PPS	C: PD,DCP, Apple2.4A,QC2.0/3. 0/4.0/4.0+,FCP,SCP,AFC,PE; A:QC2.0/3.0,FCP,SCP,AFC,PE	FB/OPTO/I²C	NMOS	Yes	Multi port shared 5V	OVP,UVP,OCP,OTP,TSOTP,etc.	QFN4x4-24	新设计推荐 IM2413N
Hot	IM2413N	3.0 to 30	A+C	PD2.0/ PD3.1 with PPS	C: PD,DCP, Apple2.4A,QC2.0/3. 0/4.0/4.0+,FCP,SCP,AFC,PE; A:QC2.0/3.0,FCP,SCP,AFC,PE	FB/I²C	NMOS	Yes	Multi port independent, Max 100W	OVP,UVP,OCP,OTP,TSOTP,etc.	QFN4x4-24	
	IM2413P	3.0 to 30	A+C	PD2.0/ PD3.1 with PPS	C: PD,DCP, Apple2.4A,QC2.0/3. 0/4.0/4.0+,FCP,SCP,AFC,PE; A:QC2.0/3.0,FCP,SCP,AFC,PE	FB/I²C	PMOS	Yes	Multi port independent, Max 140W	OVP,UVP,OCP,OTP,TSOTP,etc.	QFN4x4-24	
Hot	IM2423P	3.0 to 30	C+C	PD2.0/ PD3.1 with PPS	C: PD,DCP, Apple2.4A,QC2.0/3. 0/4.0/4.0+,FCP,SCP,AFC,PE; A:QC2.0/3.0,FCP,SCP,AFC,PE	FB/I²C	PMOS	Yes	Multi port independent, Max 140W	OVP,UVP,OCP,OTP,TSOTP,etc.	QFN4x4-28	
	IM2423C	3.0 to 30	C+C	PD2.0/ PD3.1 with PPS	C: PD,DCP, Apple2.4A,QC2.0/3. 0/4.0/4.0+,FCP,SCP,AFC,PE; A:QC2.0/3.0,FCP,SCP,AFC,PE	FB/I²C	PMOS	Yes	Multi port independent, Max 100W	OVP,UVP,OCP,OTP,TSOTP,etc.	QFN4x4-32	
Hot	IM2405	3.0 to 24	C	PD2.0/ PD3.0 with PPS	DCP,Apple2.4A,QC2.0/3.0/4.0/ 4.0+,FCP,SCP,AFC,PE	OPTO/I²C	NMOS	Yes	With TID, Max100W	OVP,UVP,OCP,OTP,TSOTP,etc.	QFN4x4-16	
Hot	IM2405A	3.0 to 24	C	PD2.0/ PD3.0 with PPS	DCP,Apple2.4A,QC2.0/3.0/4.0/ 4.0+,FCP,SCP,AFC,UFCS	OPTO/I²C	NMOS	Yes	UFCS /TID	OVP,UVP,OCP,OTP,TSOTP,etc.	QFN4x4-16	
	TMI9421	3.0 to 24	C+A	PD2.0/ PD3.1 with PPS	C: PD,DCP, Apple2.4A,QC2.0/3. 0,FCP,SCP,AFC,PE; A:QC2.0/3.0,FCP,SCP,AFC,PE	OPTO	PMOS	No	Two ports shared 5V，Max 30W	OVP,OCP,OTP,etc.	QFN3x3-20	
Hot	TMI9431	3.0 to 30	C+C+A	PD2.0/ PD3.1 with PPS	C1/C2: PD,DCP, Apple2.4A,QC 2.0/3.0/4.0/4.0+,FCP,SCP,AFC, PE; A:QC2.0/3.0,FCP,SCP,AFC,PE	FB/OPTO	NMOS	Yes	Multi port shared 5V	OVP,UVP,OCP,OTP,TSOTP,etc.	QFN4x4-32	

UFP（Upstream Facing Port）

	Part Number	VIN Range(V)	USB Port	PD	Feedback	Load Switch	VCONN	Functions	Protection	Package
Hot	IM2406A	3.0 to 24	C	PD2.0/PD3.0 PD3.1/PPS	OPTO/I²C	NMOS	Yes	Max100W	OVP,UVP,OCP,OTP,TSOTP,etc.	QFN4x4-16

USB Type-C 电源管理芯片

Buck

	Part Number	V_{IN} Range(V)	I_{OUT}(A)	Switching Frequency (Hz)	V_{OUT}(V)	V_{FB}(V)	Soft Start	Control Mode	Operation Mode	Functions	Package
	TMI3351	4.0 to 30	6	100k to 1000k	0.8 to 28	0.8	Adj.	CM	PWM/PFM	Sync.Buck Converter	QFN5x5-28
Hot	TMI3352A	4.0 to 33	6	170k to 500k	0.8 to 28	0.8	3.5	CM	PFM/PWM	Sync converter with CC Mode	QFN5x5-32
Hot	TMI3352B	4.0 to 33	6	170k to 500k	0.8 to 20	0.8	3.5	CM	PFM/PWM	Sync converter with CC Mode	QFN4x4-24
	TMI3352C	4.0 to 33	8	170k to 500k	0.8 to 28	0.8	3.5	CM	PFM/PWM	Sync converter with CC Mode	QFN5x5-32
	TMI3452B	4.0 to 36	6	170k to 500k	0.8 to 28	0.8	3.5	CM	PFM/PWM	Sync converter with CC Mode	QFN4x4-24
	IM5200	4.0 to 36	>10	100k~1000k	0.8 to 36	0.8/DAC	Adj.	CM	PWM/PFM	I²C Control/High Efficiency	QFN3x3-20
	TMI3451	4.0 to 36	>10	100k~1000k	0.8 to 36	0.8	Adj.	CM	PWM/PFM	High Efficiency	QFN3x3-20
Hot	TMI3455	4.0 to 36	>10	100k~1000k	0.8 to 36	0.6/DAC	Adj.	COT	PWM/PFM	I²C +Slew rate/load-switch control	QFN3x3-20
Hot	TMI3452	3.5 to 36	>10	150k~500k	0.8 to 36	0.6	3.5	CM	PWM/PFM	High Efficiency/EMI optimize	QFN3x3-16

Buck-Boost

	Part Number	V_{IN} Range(V)	I_{OUT}(A)	Switching Frequency(Hz)	V_{OUT}(V)	V_{FB}(V)	Soft Start	Control Mode	Operation Mode	Functions	Package	说明
	TMI2605S	3.7 to 23	4	300k~500k	1.25~5	1.25	3	CM	FCCM/PFM/ PWM	Sync.Converter /Power Path Control	QFN4x4-28	
	TMI5700	3.9 to 34	>5	100k~1000k	0.59 to 30	0.59/DAC	Adj.	CM	FCCM/PFM/ PWM	I²C Control/DAC/ High Efficiency	QFN4x4-28	新设计推荐 TMI5700A
Hot	TMI5700A	3.9 to 36	>5	100k~1000k	0.59 to 30	0.59/DAC	Adj.	CM	FCCM/PFM/ PWM	I²C Control/DAC/ High Efficiency	QFN4x4-28	
	TMI5810	2.8 to 32	>5	200k~600k	2.0 to 32	1	8ms	CM	PFM/PWM	Bi-directional Charger	QFN4x4-32	
Hot	TMI5330	4 to 28	5	150k~700k	0.6 to 22	0.6	Adj.	CM	FCCM/PFM/ PWM	Simplify/ High Efficiency	QFN4x4-24	
	TMI5324	4 to 28	5	150k~700k	0.6 to 22	0.6	Adj.	CM	FCCM/PFM/ PWM	Simplify/ High Efficiency	QFN4x4-24	ES

USB Type-A 控制器

USB-A 口充电识别 IC

	Part Number	V_{IN} Range(V)	No. of Channel	Dedicated Charge Schemes	Supports D+/D-=1.2V/1.2V	BC1.2 Mode	YD/T 1591-2009 Mode	Package
	TMI9130A	4.5 to 5.5	Dual	D+/D- = 2.7V/2V	Yes	Yes	Yes	SOT23-6
	TMI9130B	4.5 to 5.5	Single	D+/D- = 2.7V/2V	Yes	Yes	Yes	SOT23-6
Hot	TMI9130C	4.5 to 5.5	Dual	D+/D- = 2.7V/2.7V	Yes	Yes	Yes	SOT23-6
	TMI9130D	4.5 to 5.5	Single	D+/D- = 2.7V/2.7V	Yes	Yes	Yes	SOT23-6
Hot	TMI9130E	4.5 to 5.5	Single	D+/D- = 2.7V/2.7V or 2.7V/2V	Yes	Yes	Yes	SOT23-5
	TMI9130F	4.5 to 5.5	Single	D+/D- = 2.7V/2V	Yes	Yes	Yes	SOT23-5
	TMI9130I	4.5 to 5.5	Single	D+/D- = 2.7V/2.7V	Yes	Yes	Yes	SOT23-5

USB-A 口快充识别 IC

Part Number	V_{IN} Range(V)	Support Hisillicon FCP	Support QC2.0/QC3.0	Automatic Select FCP and QC2.0/QC3.0	Supports D+/D- =2.7V/2.7V	Supports D+/D- =1.2V/1.2V	BC1.2 and YD/T 1591-2009 Mode	Package
TMI9290	3.2 to 6.4	Yes	Yes	Yes	Yes	Yes	Yes	SOT23-6
TMI9290A	3.2 to 6.4	Yes	Yes	Yes	Yes	Yes	Yes	SOP8

拓尔信号处理芯片

Signal Processing Chips

拓尔的信号处理产品包括霍尔开关、TDC 等，霍尔开关主要有单极型、锁存型以及全极型等，信号处理产品主要应用于吸尘器、智能门锁、TWS、IPC 摄像头、无人机、四表、筋膜枪、落地窗、笔记本、按摩器等市场。

霍尔开关

	Part Number	Type	VCC (V)	Bandwidth (kHz)	Output	Operate point (Max) (Gs)	Release point (Min) (Gs)	Package
Hot	TMI86600xT	Unipolar	3.0 to 24	10	Open- Drain	120	80	TO-92S
Hot	TMI86600xS	Unipolar	3.0 to 24	10	Open- Drain	-120	-80	SOT23-3
Hot	TMI86620LxT	Latch	3.0 to 24	10	Open- Drain	25	-25	TO-92S
Hot	TMI86620LxS	Latch	3.0 to 24	10	Open- Drain	-25	25	SOT23-3
	TMI86630LxT	Latch	3.0 to 24	10	Pull-up resistor	25	-25	TO-92S
	TMI86630LxS	Latch	3.0 to 24	10	Pull-up resistor	-25	25	SOT23-3
	TMI86810T	Unipolar	1.6 to 5.5	/	CMOS Output	25	15	TO-92S
Hot	TMI86810S	Unipolar	1.6 to 5.5	/	CMOS Output	25	15	SOT23-3
	TMI86810D	Unipolar	1.6 to 5.5	/	CMOS Output	25	15	DFN4L-1.6x1.2
Hot	TMI86820LxT	Omni-Polar	1.6 to 5.5	0.02	Open- Drain	±30	±20	TO-92S
Hot	TMI86820LxS	Omni-Polar	1.6 to 5.5	0.02	Open- Drain	±30	±20	SOT23-3
	TMI86820HxT	Omni-Polar	1.6 to 5.5	20	Open- Drain	±30	±20	TO-92S
	TMI86820HxS	Omni-Polar	1.6 to 5.5	20	Open- Drain	±30	±20	SOT23-3
Hot	TMI86880LAx	Omni-Polar	1.6 to 5.5	0.005	Open- Drain	±24	±14	SOT23-3/TO-92S/DFN4L-1.6x1.2
Hot	TMI86880LBx	Omni-Polar	1.6 to 5.5	0.005	Open- Drain	±40	±30	SOT23-3/TO-92S/DFN4L-1.6x1.2
	TMI86880LCx	Omni-Polar	1.6 to 5.5	0.005	Open- Drain	±70	±50	SOT23-3/TO-92S/DFN4L-1.6x1.2
	TMI86880LDx	Omni-Polar	1.6 to 5.5	0.005	Open- Drain	±470	±430	SOT23-3/TO-92S/DFN4L-1.6x1.2
Hot	TMI86880MAx	Omni-Polar	1.6 to 5.5	0.02	Open- Drain	±24	±14	SOT23-3/TO-92S/DFN4L-1.6x1.2
Hot	TMI86880MBx	Omni-Polar	1.6 to 5.5	0.02	Open- Drain	±40	±30	SOT23-3/TO-92S/DFN4L-1.6x1.2
	TMI86880MCx	Omni-Polar	1.6 to 5.5	0.02	Open- Drain	±70	±50	SOT23-3/TO-92S/DFN4L-1.6x1.2
	TMI86880MDx	Omni-Polar	1.6 to 5.5	0.02	Open- Drain	±470	±430	SOT23-3/TO-92S/DFN4L-1.6x1.2
	TMI86880HAx	Omni-Polar	1.6 to 5.5	0.1	Open- Drain	±24	±14	SOT23-3/TO-92S/DFN4L-1.6x1.2
	TMI86880HBx	Omni-Polar	1.6 to 5.5	0.1	Open- Drain	±40	±30	SOT23-3/TO-92S/DFN4L-1.6x1.2
	TMI86880HCx	Omni-Polar	1.6 to 5.5	0.1	Open- Drain	±70	±50	SOT23-3/TO-92S/DFN4L-1.6x1.2
	TMI86880HDx	Omni-Polar	1.6 to 5.5	0.1	Open- Drain	±470	±430	SOT23-3/TO-92S/DFN4L-1.6x1.2
Hot	TMI86881LAx	Omni-Polar	1.6 to 5.5	0.005	CMOS Output	±24	±14	SOT23-3/TO-92S/DFN4L-1.6x1.2
Hot	TMI86881LBx	Omni-Polar	1.6 to 5.5	0.005	CMOS Output	±40	±30	SOT23-3/TO-92S/DFN4L-1.6x1.2
	TMI86881LCx	Omni-Polar	1.6 to 5.5	0.005	CMOS Output	±70	±50	SOT23-3/TO-92S/DFN4L-1.6x1.2
	TMI86881LDx	Omni-Polar	1.6 to 5.5	0.005	CMOS Output	±470	±430	SOT23-3/TO-92S/DFN4L-1.6x1.2
Hot	TMI86881MAx	Omni-Polar	1.6 to 5.5	0.02	CMOS Output	±24	±14	SOT23-3/TO-92S/DFN4L-1.6x1.2

	Part Number	Type	VCC (V)	Bandwidth (kHz)	Output	Operate point (Max) (Gs)	Release point (Min) (Gs)	Package
Hot	TMI86881MBx	Omni-Polar	1.6 to 5.5	0.02	CMOS Output	±40	±30	SOT23-3/TO-92S/DFN4L-1.6x1.2
	TMI86881MCx	Omni-Polar	1.6 to 5.5	0.02	CMOS Output	±70	±50	SOT23-3/TO-92S/DFN4L-1.6x1.2
	TMI86881MDx	Omni-Polar	1.6 to 5.5	0.02	CMOS Output	±470	±430	SOT23-3/TO-92S/DFN4L-1.6x1.2
Hot	TMI86881HAx	Omni-Polar	1.6 to 5.5	0.1	CMOS Output	±24	±14	SOT23-3/TO-92S/DFN4L-1.6x1.2
	TMI86881HBx	Omni-Polar	1.6 to 5.5	0.1	CMOS Output	±40	±30	SOT23-3/TO-92S/DFN4L-1.6x1.2
	TMI86881HCx	Omni-Polar	1.6 to 5.5	0.1	CMOS Output	±70	±50	SOT23-3/TO-92S/DFN4L-1.6x1.2
	TMI86881HDx	Omni-Polar	1.6 to 5.5	0.1	CMOS Output	±470	±430	SOT23-3/TO-92S/DFN4L-1.6x1.2

TDC

	Part Number	V_{IN} Range(V)	Operating Temperature(°C)	Time Resolution (ps)	Standard Deviation (ps)	Measurement Range	stop Signals	Data Interface	Minimum Time between Start and stop	Minimum Time between Stop and stop	Iop	I_q	Package	说明
Hot	TMIS7701/ TMIS7701C	2.2 to 3.6	-40~125	38	10ps (Mode 1) 50ps (Mode 2)	3ns to 2500ns (Mode 1) 250ns to 8ms (Mode 2) 0ns to 2500ns (Mode 3) 250ns to 250ms (Mode 4)	5	SPI	3ns (Mode 1) 0ns (Mode 3)	50ns	1.25mA	75uA	TSSOP-14P	新设计推荐 TMIS7701C
Hot	TMIS7702/ TMIS7702C	2.2 to 3.6	-40~125	19	10ps (Mode 1) 50ps (Mode 2)	3ns to 2500ns (Mode 1) 250ns to 8ms (Mode 2) 0ns to 2500ns(Mode 3) 250ns to 250ms (Mode 4)	10	SPI	3ns (Mode 1) 0ns (Mode 3)	0ns	2.5mA	150uA	VFBGA-25P	新设计推荐 TMIS7702C
Hot	TMIS7722	2.5 to 3.6	-40~125	68	68ps (typ.) 34ps (Double Resolution) 17ps (Quad Resolution)	3.5ns to 2900ns (Mode 1) 550ns to 4ms (Mode 2)	4	SPI	3.5ns (Mode 1) 550ns (Mode 2)	20ns (Mode 1) 550ns (Mode 2)	4mA	2.3uA	QFN-32	

比较器

高速比较器

Part Number	V_{IN} Range(V)	Number of channels	Operating Temperature(°C)	Speed（ns）	I_q	Input Bias Current	Input Voltage Range	Output Stage	Input hysteresis	other funtion	Package
TMIS23501C	2.7 to 5.5	1	-40~125	5	2mA	1.5μA	-0.3V to +5.8V	CMOS Push-Pull	6mV	Turn-Off/EN	SOT23-6
TMIS23502C	2.7 to 5.5	1	-40~125	5	2mA	1.5μA	-0.3V to +5.8V	CMOS Push-Pull	6mV	Turn-Off	SOT23-5

栅极驱动器

GaN 高速栅极驱动器

Part Number	V_{IN} Range(V)	Operating Temperature(°C)	Peak current	Propagation delay (100pF load)	rise/fall time (100pF load)	Minimum input pulse width (100pF load)	I_q	Iop (30Mz, 100pF load)	other funtion	Package	说明
TMIS31025	4.75 to 5.25	-40~150	+6A / -5A	2.6ns / 2.8ns	710ps / 650ps	0.85ns	49μA	60mA	UVLO/OTP	QFN-6	ES

拓尔汽车应用

Automotive Applications

在汽车领域，其电子器件需满足更为严苛的 AEC-Q100 和 ISO26262 等车规标准要求，拓尔微马达驱动系列、充电协议、高效率 Buck&BuckBoost 及车用 DC/DC 均在申请相关车规认证，已应用在汽车大灯、车窗、门锁、充电枪等各个关键部件，逐渐实现车规级产品的全面布局。为汽车前装市场及需要车规级产品的特定应用提供高性能、高可靠性和高性价比的芯片解决方案。

驱动系列

直流有刷马达驱动

Part Number	VM(V)	Channel	Input Mode	Con./Peak Cur.(A)	$R_{ds(on)}$ (HS+LS) (Ω)	CC mode	Protection	Package	Status
TMI8116-Q1	4.5 to 37	1 ch Full Bridge	PWM/PHEN/ Independent Half-Bridge	2.0/3.5	0.49	Vref/Ipropi	UVLO, TSD, OCP	HTSSOP16	MP
TMI8122-Q1	4.5 to 37	1 ch Full Bridge	PWM/PHEN/ Independent Half-Bridge	4.0/10.0	0.18	Vref/Ipropi	UVLO, TSD, OCP	HTSSOP16	MP
TMI8140-Q1	8.0 to 40	1 ch Full Bridge	PWM	7.0/13.0	0.05	/	UVLO, TSD, OCP	DFN5x6-15	MP

多路半桥驱动

Part Number	VM(V)	Channel	Input Mode	Con./Peak Cur.(A)	$R_{ds(on)}$ (HS+LS) (Ω)	CC mode	Protection	Package	Status
TMM8512-Q1	4.5 to 32	12 ch Independent Half-Bridge	SPI	1.0 (1ch) 6.0A (12 ch paralleled outputs)	1.5	/	UVLO、OVP、OCP、POR、OLD、OTW/TSD、nFAULT	ETSSOP24	MP

步进马达驱动

Part Number	VM(V)	Input Mode	Channel	Con./Peak Cur.(A)	$R_{ds(on)}$ (HS+LS) (Ω)	Protection	Package	Status
TMI8420-Q1	8.0 to 45	STEP/DIR (1/32)	2	2.5/2.8	0.4	UVLO, TSD, OCP	HTSSOP28	MP
TMI8420Q	8.0 to 45	STEP/DIR (1/32)	2	2.5/2.8	0.4	UVLO, TSD, OCP	QFN5x5-28	MP

高低边驱动

Part Number	VM(V)	Channel	Con./Peak Cur.(A)	$R_{ds(on)}$ (HS+LS) (Ω)	CC mode	Protection	Package	Status
TMI82H05D-Q1	5 to 28	2	7.0/10.0	0.035	SELx/ MultiSense	UVLO, TSD, OVP, Overload	DFN6x5-16	MP

有刷栅极驱动

Part Number	VDD(V)	Input Mode	Adjustable Parameter	Channel	Driver MOS	Con./Peak Cur.(A)	Ton/Toff(ns)	Protection	Package	Status
TMI8720-Q1	5.0 to 40	PWM	/	1 Full Bridge	P+N	Sink/Source: 0.20/0.05	600/150	UVLO,TSD,OCP	DFN3x3-10	MP
TMI8721-Q1	5.5 to 38	PWM/PHEN/ Independent Half-Bridge	SPI software control: I_{DRIVE} 8 levels, $t_{(DEAD)}$ 4 levels, A_v 4 levels, t_{off} 4 levels, $t_{(WD)}$ 4 levels, $V_{DS(OCP)}$ 8 levels	2 half bridge	N+N	Sink/Source: 0.44/0.22	500/500	UVLO,CPUV, OCP,GDF, nFAULT,TSD, SCP	QFN5x5-32	MP
TMI8722-Q1	5.5 to 38	PWM/PHEN/ Independent Half-Bridge	Hardware control: I_{DRIVE} 6 levels, $V_{DS(OCP)}$ 6 levels	2 half bridge	N+N	Sink/Source: 0.44/0.22	500/500	UVLO,CPUV, OCP,GDF, nFAULT,TSD,SCP	QFN5x5-32	MP
TMM8726-Q1	4.9 to 37	PWM	SPI software control: IDRIVE 16 levels, t(DEAD) 4 levels, AV 4 levels, toff 4 levels, t(DRIVE) 8 levels, VDS(OCP) 16 levels	8 half bridge	N+N	Sink/Source: 0.062/0.062	300/300	UVLO,POB, OVP,TSD,CPUV, GDF,VGS,VDS, OLSC,nFAULT, BRAKE	QFN8x8-56	MP

三相栅极驱动

Part Number	VDD(V)	VB Max.(V)	Channel	Driver MOS	Input Mode	Con./Peak Cur.(A)	Ton/Toff(ns)	TDEAD(ns)	Protection	Package	Status
TMI87301-Q1	5.0 to 60	/	3 half bridge	N+N	HIN、LIN	Sink/Source: 0.8/0.55	800/80	Adjust	UVLO, TSD, OCP	QFN4x4-28	ES

无刷电机驱动

Part Number	Function	VM(V)	Control Mode	Commulation	Con./Peak Cur.(A)	Rds(on) (HS+LS) (Ω)	sensor	Protection	Package	Status
TMI85303-Q1	3 相无感电机驱动	4.0 to 40	I²C/PWM/Analog	Sinusoidal/ Trapezoidal	1.5/3.0A	0.51	Sensorless	UVLO, TSD, OCP, OVP	QFN5x5-28	ES

车灯位置控制驱动

Part Number	VM(V)	Channel	Input Mode	Con./Peak Cur.(A)	Rds(on) (HS+LS) (Ω)	Protection	Package	Status
TMI8126-Q1	8 to 18	1 ch Full Bridge	SET/FB	0.8/1.5A	0.9	UVLO,TSD,OCP,OVP	SOP16	MP

多开关检测接口 (MSDI) IC

Part Number	Function	V_s(V)	Control Mode	IO current(mA)	Input /output voltage(max) (V)	Input /output voltage(min) (V)	Diagnostics	Features	Package	Status
TMF82124-Q1	24 路开关检测接口	4.5 to 35	SPI	1/2/5/10/15	40	-24	ADC self-diagnostic, Wetting current diagnostic	Configurable wetting current, Integrated 10-bit ADC, Interrupt wake-up operation, Overvoltage warning, Polling mode, SPI, Undervoltage warning, Withstands load dump condition and reverse polarity condition	TSSOP38	ES

型号尾缀为 Q1 是已获得 AEC-Q100 认证或正在认证中。

电源管理系列

LDO

Part Number	V_{IN} Range(V)	I_{OUT_Max}(A)	V_{OUT} or V_{FB}(V)	Accuracy	I_q(μA)	PSRR@ 1kHz (dB)	Noise(μV)	Functions	Package	Status
TMI6411-XXTB-Q1	3.5 to 36	0.2	3.3/ 5.0	±1%	2.5	58	60	OCP/OTP/UVLO/SCP	SOT89-5	MP
TMI6411-XXDA-Q1	3.5 to 36	0.2	3.3/ 5.0	±1%	2.5	68	68	OCP/OTP/UVLO/SCP	DFN3x3-8	MP

Camera PMIC

Part Number	V_{IN} Range(V)	Output Channels	I_{OUT}(A)	Switching Frquency(Hz)	V_{FB}(V)	Iq of each Channel(μA)	Functions	Package	Status
TMI7205B-Q1	4.5 to 30	4	1/1/1/0.3	1.5M/2.3M	0.8/0.6/0.6/1.2	350/50/50/1.5	1 Channel High Voltage Buck 2 Channels Low Voltage Buck 1 Channel Low Voltage LDO	QFN4x4-24	MP
TMI7206-11-Q1	4 to 28	4	1.5/1.5/1/0.3	2.1M/2.1M/2.1M	0.8V_{FB}/1.1V/1.8V/Adj.	10000	1 Channel High Voltage Buck 2 Channels Low Voltage Buck 1 Channel Low Voltage LDO	QFN3x3-16	MP
TMI7206-12-Q1	4 to 28	4	1.5/1.5/1/0.3	2.1M/2.1M/2.1M	0.8V_{FB}/1.2V/1.8V/Adj.	10000	1 Channel High Voltage Buck 2 Channels Low Voltage Buck 1 Channel Low Voltage LDO	QFN3x3-16	MP

DC/DC

Part Number	V_{IN} Range(V)	I_{OUT} (A)	Switching Frequency(Hz)	V_{FB}(V)	I_q(μA)	HS_FET $R_{ds(on)}$(Ω)	LS_FET $R_{ds(on)}$(Ω)	Control Mode	Functions	Package	Status
TMI34030-Q1	3.3-36	3.5	350k to 2.5M	0.8	14	125	55	CM	PFM/PWM/PG/ SYNC	QFN3x4-16	ES

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