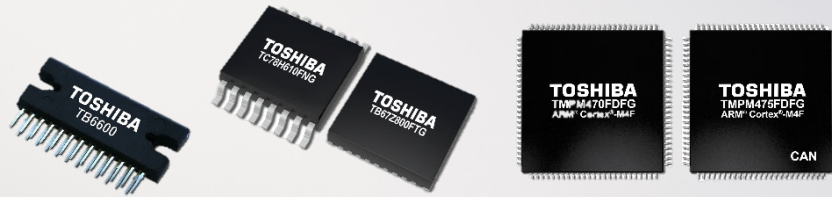


Motor Drive & Control Solutions



Lineup Overview

Stepping motor drivers

Part Number	Ratings		Motor		Interface			Stepping Mode						Features						Protection			Temperature Range T _A [°C]	Package					
	VM(opr) [V]	IOUT(abs) [A]	RON(typ) HS-LS [Ω]	Motor: Bipolar	Motor: Unipolar	Interface: Clock	Interface: Phase	Interface: Serial	Full	Half	1/4	1/8	1/16	1/32	1/64	1/128	#Motors (channels)	Large Mode (parallel channels)	Constant Current Control	Single Power Supply	Internal Regulator	Output [V]			ADMD	ACDS	AGC	AEC-Q100	Under Voltage Lockout (UVLO)
TB62208FG	10-38	1.8	1.2	•	-	-	•	-	•	•	•	-	-	-	-	1	-	•	•	•	5	-	-	-	•	•	•	-20 to +85	HSOP28
TB62208FNG/FTG	10-38	1.8	1.0	•	-	-	•	-	•	•	•	-	-	-	-	1	-	•	•	•	5	-	-	-	•	•	•	-20 to +85	HTSSOP48/QFN48
TB62210FNG	10-38	1.0	1.2	•	-	-	•	-	•	•	•	-	-	-	-	1	-	•	•	•	5	-	-	-	•	•	•	-20 to +85	HTSSOP24
TB62211FNG	10-38	1.0	1.2	•	-	•	-	-	•	•	•	-	-	-	-	1	-	•	•	•	5	-	-	-	•	•	•	-20 to +85	HTSSOP24
TB62212FNG/FTAG	10-38	1.5	2.2	•	-	-	•	-	•	•	•	-	-	-	-	2	•	•	•	5	-	-	-	•	•	•	-40 to +85	HTSSOP48/QFN48	
TB62213AFG/AFNG/AFTG/AHQ	10-38	3.0	0.6	•	-	-	•	-	•	•	•	-	-	-	-	1	-	•	•	•	5	-	-	-	•	•	•	-20 to +85	HSOP28/HTSSOP48/QFN48/HZIP25
TB62214AFG/AFNG/AFTG/FG/FNG/FTG	10-38	2.0	1.0	•	-	•	-	-	•	•	•	-	-	-	-	1	-	•	•	•	5	-	-	-	•	•	•	-20 to +85	HSOP28/HTSSOP48/QFN48
TB62215AFG/FNG/FTG/AHQ	10-38	3.0	0.6	•	-	•	-	-	•	•	•	-	-	-	-	1	-	•	•	•	5	-	-	-	•	•	•	-20 to +85	HSOP28/HTSSOP48/QFN48/HZIP25
TB62218AFG/AFNG/AFTG/FG/FNG/FTG	10-38	2.0	1.0	•	-	-	•	-	•	•	•	-	-	-	-	1	-	•	•	•	5	-	-	-	•	•	•	-20 to +85	HSOP28/HTSSOP48/QFN48
TB62237BFG	10-36	1.3	1.2	•	-	-	•	•	•	•	•	•	•	-	-	2	•	•	•	5 ^{a)}	-	-	-	-	•	•	•	-40 to +85	HQFP64
TB62247AFG	10-36	1.3	1.2	•	-	-	•	•	•	•	•	•	•	-	-	2	•	•	•	5 ^{b)}	-	-	-	-	•	•	•	-40 to +85	HQFP64
TB62261FTAG/FTG	10-35	1.5	0.8	•	-	-	•	-	•	•	•	-	-	-	-	1	-	•	•	•	5	-	-	-	•	•	•	-20 to +85	WQFN36/WQFN48
TB62262FTAG/FTG	10-35	1.5	0.8	•	-	•	-	-	•	•	•	-	-	-	-	1	-	•	•	•	5	-	-	-	•	•	•	-20 to +85	WQFN36/WQFN48
TB62269FTAG/FTG	10-38	1.8	0.8	•	-	•	-	-	•	•	•	•	•	•	-	1	-	•	•	•	5	-	-	-	•	•	•	-20 to +85	VQFN32/WQFN48
TB6560AFG/AFTG	4.5-34	2.5	0.35	•	-	•	-	-	•	•	•	-	-	-	-	1	-	•	-	-	-	-	-	-	-	-	-30 to +85	HQFP64/QFN48	
TB6560AHQ	4.5-34	3.5	0.3	•	-	•	-	-	•	•	•	-	-	-	-	1	-	•	-	-	-	-	-	-	-	-	-30 to +85	HZIP25	
TB6562AFG/ANG	10-34	1.5	1.5	•	-	-	•	-	•	•	•	-	-	-	-	1	-	•	•	•	5	-	-	-	-	•	•	-20 to +85	SSOP30/SDIP24
TB6600FG	8-42	4.5	0.4	•	-	•	-	-	•	•	•	•	•	-	-	1	-	•	•	•	5	-	-	-	•	•	•	-30 to +85	HQFP64
TB6600HG	8-42	5.0	0.4	•	-	•	-	-	•	•	•	•	•	-	-	1	-	•	•	•	5	-	-	-	•	•	•	-30 to +85	HZIP25
TB6608FNG	2.5-13.5	0.8	1.5	•	-	•	-	-	•	•	•	•	•	-	-	1	-	•	-	-	-	-	-	-	•	-	•	-20 to +85	SSOP20
TB6615PG	0-26	0.4	-	-	•	•	-	-	•	•	•	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-30 to +85	DIP16	
TB6674FAG/FG/PG	8-22	0.2	2.9	•	-	-	•	-	•	•	•	-	-	-	-	1	-	-	-	-	-	-	-	-	•	•	•	-30 to +75	SSOP16/HSOP16/DIP16

* under development

Part Number	Ratings			Motor		Interface		Stepping Mode								Features						Protection			Temperature Range T _A [°C]	Package				
	V _M (opr) [V]	I _{OUT} (abs) [A]	RON(typ) HS+LS [Ω]	Motor: Bipolar	Motor: Unipolar	Interface: Clock	Interface: Phase	Interface: Serial	Full	Half	1/4	1/8	1/16	1/32	1/64	1/128	#Motors (channels)	Large Mode (parallel channels)	Constant Current	Control	Single Power Supply	Internal Regulator Output [V]	ADMD	ACDS			AEC-Q100	Under Voltage Lockout (UVLO)	Over Current (ISD)	Over Temperature (TSD)
TB67H452FTG	6.3-38	3.5	0.6	•	-	•	-	-	•	•	•	•	•	•	•	•	2	•	•	•	•	5	-	-	-	•	•	•	-20 to +85	QFN48
TB67S101AFNG/AFTG/ANG	10-47	4.0	0.49	•	-	•	-	-	•	•	•	•	•	•	•	•	1	-	•	•	•	5	•	-	-	•	•	•	-20 to +85	HTSSOP48/WQFN48/SDIP24
TB67S102AFNG/AFTG	10-47	4.0	0.49	•	-	•	-	-	•	•	•	•	•	•	•	•	1	-	•	•	•	5	•	-	-	•	•	•	-20 to +85	HTSSOP48/WQFN48
TB67S103AFTG	10-47	4.0	0.49	•	-	•	-	-	•	•	•	•	•	•	•	•	1	-	•	•	•	5	•	-	-	•	•	•	-20 to +85	WQFN48
TB67S105FTG	10-40	3.0	0.6	•	-	•	-	-	•	•	•	•	•	•	•	•	1	-	•	•	•	5	-	-	-	•	•	•	-20 to +85	WQFN48
TB67S109AFNG/AFTG	10-47	4.0	0.49	•	-	•	-	-	•	•	•	•	•	•	•	•	1	-	•	•	•	5	•	-	-	•	•	•	-20 to +85	HTSSOP48/WQFN48
TB67S111PG	10-40	1.5	0.25	-	•	-	•	-	•	•	•	•	•	•	•	•	1	-	-	•	•	5	-	-	-	•	•	•	-20 to +85	DIP16
TB67S128FTG	6.5-44	5.0	0.25	•	-	•	-	-	•	•	•	•	•	•	•	•	1	-	•	•	•	5	•	-	-	•	•	•	-40 to +85	VQFN64
TB67S141FTG/HG/NG	10-40	3.0	0.25	-	•	-	•	-	•	•	•	•	•	•	•	•	1	-	•	•	•	5	-	•	-	•	•	•	-20 to +85	WQFN48/HZIP25/SDIP24
TB67S142FTG/HG/NG	10-40	3.0	0.25	-	•	•	-	-	•	•	•	•	•	•	•	•	1	-	•	•	•	5	-	•	-	•	•	•	-20 to +85	WQFN48/HZIP25/SDIP24
TB67S145FTG	10-40	3.0	0.25	-	•	-	-	-	•	•	•	•	•	•	•	•	1	-	•	•	•	5	-	•	-	•	•	•	-20 to +85	WQFN48
TB67S149FG/FTG/HG	10-40	3.0	0.25	-	•	•	-	-	•	•	•	•	•	•	•	•	1	-	•	•	•	5	-	•	-	•	•	•	-20 to +85	HSSOP28/WQFN48/HZIP25
TB67S158FTG/NG	10-60	1.5	0.5	-	•	•	•	•	•	•	•	•	•	•	•	•	2	•	-	•	•	-	-	-	-	•	•	•	-20 to +85	WQFN48/SDIP24
TB67S179FTG	10-60	1.5	0.5	-	•	•	-	-	•	•	•	•	•	•	•	•	1	-	•	•	•	5	-	•	-	•	•	•	-20 to +85	VQFN48
TB67S209FTG	10-47	4.0	0.49	•	-	•	-	-	•	•	•	•	•	•	•	•	1	-	•	•	•	5	-	-	-	•	•	•	-20 to +85	WQFN48
TB67S213FTAG	10-35	2.5	0.53	•	-	•	-	-	•	•	•	•	•	•	•	•	1	-	•	•	•	5	-	-	-	•	•	•	-20 to +85	WQFN36
TB67S215FTAG	10-35	2.5	0.53	•	-	•	-	-	•	•	•	•	•	•	•	•	1	-	•	•	•	5	-	-	-	•	•	•	-20 to +85	WQFN36
TB67S249FTG	10-47	4.5	0.33	•	-	•	-	-	•	•	•	•	•	•	•	•	1	-	•	•	•	5	•	•	-	•	•	•	-20 to +85	VQFN48
TB67S261FTG	10-47	2.0	0.8	•	-	-	•	-	•	•	•	•	•	•	•	•	1	-	•	•	•	5	•	-	-	•	•	•	-20 to +85	WQFN48
TB67S265FTG	10-47	2.0	0.8	•	-	-	-	•	•	•	•	•	•	•	•	•	1	-	•	•	•	5	•	-	-	•	•	•	-20 to +85	WQFN48
TB67S269FTG	10-47	2.0	0.8	•	-	•	-	-	•	•	•	•	•	•	•	•	1	-	•	•	•	5	•	-	-	•	•	•	-20 to +85	WQFN48
TB67S279FTG	10-47	2.0	0.6	•	-	•	-	-	•	•	•	•	•	•	•	•	1	-	•	•	•	5	•	•	-	•	•	•	-20 to +85	VQFN48
TB67S285FTG	10-47	3.0	0.4	•	-	-	-	•	•	•	•	•	•	•	•	•	1	-	•	•	•	5	•	•	-	•	•	•	-20 to +85	VQFN48
TB67S289FTG	10-47	3.0	0.4	•	-	•	-	-	•	•	•	•	•	•	•	•	1	-	•	•	•	5	•	•	-	•	•	•	-20 to +85	VQFN48
TB67S508FTG	10-35	3.0	0.45	•	-	•	•	-	•	•	•	•	•	•	•	•	1	-	•	•	•	5	•	•	-	•	•	•	-20 to +85	VQFN36
TB67S511FTAG	10-35	2.0	0.8	•	-	-	•	-	•	•	•	•	•	•	•	•	1	-	•	•	•	5	-	-	-	•	•	•	-20 to +85	WQFN36
TB67S512FTAG	10-35	2.0	0.8	•	-	•	-	-	•	•	•	•	•	•	•	•	1	-	•	•	•	5	-	-	-	•	•	•	-20 to +85	WQFN36
TB67S521FTAG	10-35	2.8	0.53	•	-	-	•	-	•	•	•	•	•	•	•	•	1	-	•	•	•	5	-	-	-	•	•	•	-20 to +85	WQFN36
TB67S522FTAG	10-35	2.8	0.53	•	-	•	-	-	•	•	•	•	•	•	•	•	1	-	•	•	•	5	-	-	-	•	•	•	-20 to +85	WQFN36
TB9120FTG	7-18	2.0	0.7	•	-	•	-	-	•	•	•	•	•	•	•	•	1	-	•	•	•	5	-	-	-	•	•	•	-40 to +125	VQFN28
TC78H600FNG/FTG	2.5-15	1.0	1.2	•	-	-	•	-	•	•	•	•	•	•	•	•	1	-	•	•	-	-	-	-	•	•	•	-20 to +85	SSOP20/WQFN24	
TC78H610FNG	2.5-15	1.0	1.2	•	-	-	•	-	•	•	•	•	•	•	•	•	1	-	-	-	-	-	-	-	•	•	•	-20 to +85	SSOP16	
TC78H611FNG	2.5-15	1.1	0.8	•	-	-	•	-	•	•	•	•	•	•	•	•	1	-	-	-	-	-	-	-	•	•	•	-30 to +85	TSSOP16	
TC78H620FNG	2.5-15	1.0	1.2	•	-	-	•	-	•	•	•	•	•	•	•	•	1	-	-	-	-	-	-	-	•	•	•	-20 to +85	SSOP16	
TC78H621FNG	2.5-15	1.1	0.8	•	-	-	•	-	•	•	•	•	•	•	•	•	1	-	-	-	-	-	-	-	•	•	•	-30 to +85	TSSOP16	
TC78H651AFNG*	1.8-7	1.6	0.22	•	-	-	-	-	•	•	•	•	•	•	•	•	1	-	-	-	-	-	-	-	•	•	•	-40 to +105	TSSOP16	
TC78H651FNG	1.8-6	1.6	0.22	•	-	-	•	-	•	•	•	•	•	•	•	•	1	-	-	-	-	-	-	-	•	•	•	-40 to +105	TSSOP16	
TC78H653FTG	1.8-7	2.5	0.22	•	-	-	•	-	•	•	•	•	•	•	•	•	1	-	-	-	-	-	-	-	•	•	•	-40 to +105	VQFN16	
TC78S121FNG/FTG	8-38	2.0	0.6	•	-	-	•	-	•	•	•	•	•	•	•	•	2	•	•	•	•	5	-	-	-	•	•	•	-20 to +85	HTSSOP48/QFN48
TC78S122FNG/FTG	8-38	2.0	0.6	•	-	•	-	-	•	•	•	•	•	•	•	•	2	•	•	•	•	5	-	-	-	•	•	•	-20 to +85	HTSSOP48/QFN48
TC78S600FNG/FTG	2.5-15	1.0	1.2	•	-	•	-	-	•	•	•	•	•	•	•	•	1	-	•	•	-	-	-	-	•	•	•	-20 to +85	SSOP20/WQFN24	

Brushed motor drivers

Part Number	Ratings			Features							Protection			Temperature Range T _A [°C]	Package
	V _M (opr) [V]	I _{OUT} (abs) [A]	RON(typ) HS+LS [Ω]	H-Bridge Circuits (channels)	Large Mode (parallel channels)	Constant Current PWM	Single Power Supply	Internal Regulator Output [V]	AEC-Q100	Under Voltage Lockout (UVLO)	Over Current (ISD)	Over Temperature (TSD)			
TB62212FNG/FTAG	10-38	2.0	2.2	4	•	•	•	5	-	•	•	•	-40 to +85	HTSSOP48/QFN48	
TB62216FG/FNG/FTG	10-38	2.5	1.0	2	-	•	•	5	-	•	•	•	-20 to +85	HSOP28/TSSOP48/QFN48	
TB62237BFG	10-36	2.6	1.2	4	•	•	•	• ^{a)}	-	•	•	•	-40 to +85	HQFP64	
TB62247AFG	10-36	2.5	1.2	4	•	•	•	• ^{b)}	-	•	•	•	-40 to +85	HQFP64	

a) 3 * DC/DC converter 1.5V/3.3V/5.0V/5.5V/13.5V configurable

b) 3 * DC/DC converter 1.0V/1.5V/3.3V/5.5V configurable

Brushed motor drivers

Part Number	Ratings			Features							Protection			Temperature Range T _A [°C]	Package
	V _{M(opr)} [V]	I _{OUT(ABS)} [A]	R _{ON(typ)} HS+LS [Ω]	H-Bridge Circuits (channels)	Large Mode (parallel channels)	Constant Current PWM	Single Power Supply	Internal Regulator Output [V]	AEC-Q100	Under Voltage Lockout (UVLO)	Over Current (ISD)	Over Temperature (TSD)			
TB6552FNG/FTG	2.5-13.5	1.0	1.5	2	-	-	-	-	-	-	-	●	-20 to +85	SSOP16/WQFN16	
TB6559FG	10-30	2.5	1.3	1	-	●	●	5	-	-	●	●	-30 to +85	HSOP16	
TB6561FG/NG	10-36	1.5	1.5	2	-	-	●	5	-	-	●	●	-20 to +85	SSOP30/DIP24	
TB6568KQ	10-45	3.0	0.55	1	-	-	●	-	-	●	●	●	-40 to +85	HSIP7	
TB6569FG/FTG	10-45	4.5	0.55	1	-	●	●	-	-	●	●	●	-40 to +85	HSOP16/VQFN32	
TB6612FNG	2.5-13.5	2.0	0.5	2	-	-	-	-	-	●	-	●	-20 to +85	SSOP24	
TB6640AFTG/FTG	4.5-38	3.0	1.0	1	-	●	-	-	-	-	●	●	-40 to +85	WQFN48	
TB6641FG/FTG	10-45	4.5	0.55	1	-	●	●	5	-	●	●	●	-40 to +85	HSOP16/VQFN32	
TB6642FG/FTG	10-45	4.5	0.55	1	-	-	●	-	-	●	●	●	-40 to +85	HSOP16/VQFN32	
TB6643KQ	10-45	4.5	0.55	1	-	-	●	-	-	●	●	●	-40 to +85	HSIP7	
TB67H301FTG	4.5-38	3.0	1.0	1	-	●	-	-	-	●	●	●	-40 to +85	WQFN24	
TB67H302HG	8-42	5.0	0.4	2	-	●	●	5	-	●	●	●	-30 to +85	HZIP25	
TB67H303HG	8-42	10.0	0.2	1	-	●	●	5	-	●	●	●	-30 to +85	HZIP25	
TB67H400AFNG/AFTG/AHG/ANG	10-47	4.0	0.49	2	●	●	●	5	-	●	●	●	-20 to +85	HTSSOP48/WQFN48/HZIP25/SDIP24	
TB67H401FTG	10-47	3.0	0.49	2	●	●	●	5	-	●	●	●	-20 to +85	VQFN48	
TB67H410FTG/NG	10-47	2.5	0.8	2	●	●	●	5	-	●	●	●	-20 to +85	WQFN48/SDIP24	
TB67H420FTG	10-47	4.5	0.33	2	●	●	●	5	-	●	●	●	-20 to +85	VQFN48	
TB67H450FNG*	4.5-44	3.5	0.6	1	-	-	-	-	-	●	●	●	-40 to +85	HSOP8	
TB67H452FTG	6.3-38	3.5	0.6	4	●	●	●	5	-	●	●	●	-20 to +85	QFN48	
TB9051FTG	4.5-28	5.0	0.34	1	-	-	-	-	●	●	●	●	-40 to +125	QFN28	
TC78H600FNG/FTG	2.5-15	1.0	1.2	2	-	●	-	-	-	●	●	●	-20 to +85	SSOP20/WQFN24	
TC78H610FNG	2.5-15	1.0	1.2	2	-	-	-	-	-	●	●	●	-20 to +85	SSOP16	
TC78H611FNG	2.5-15	1.1	0.8	2	-	-	-	-	-	●	●	●	-30 to +85	TSSOP16	
TC78H620FNG	2.5-15	1.0	1.2	2	-	-	-	-	-	●	●	●	-20 to +85	SSOP16	
TC78H621FNG	2.5-15	1.1	0.8	2	-	-	-	-	-	●	●	●	-30 to +85	TSSOP16	
TC78H630FNG	2.5-15	2.1	0.4	1	-	-	-	-	-	●	●	●	-30 to +85	TSSOP16	
TC78H651AFNG*	1.8-7	1.6	0.22	2	-	-	-	-	-	●	●	●	-40 to +105	TSSOP16	
TC78H651FNG	1.8-6	1.6	0.22	2	-	-	-	-	-	●	●	●	-40 to +105	TSSOP16	
TC78H653FTG	1.8-7	2.5	0.22	2	●	-	●	-	-	●	●	●	-40 to +105	VQFN16	
TC78S121FNG/FTG	8-38	3.5	0.6	4	●	●	●	5	-	●	●	●	-20 to +85	HTSSOP48/QFN48	
TC78S122FNG/FTG	8-38	3.5	0.6	4	●	●	●	5	-	●	●	●	-20 to +85	HTSSOP48/QFN48	

a) 3 * DC/DC converter 1.5V/3.3V/5.0V/5.5V/13.5V configurable
b) 3 * DC/DC converter 1.0V/1.5V/3.3V/5.5V configurable

Brushless motor drivers

Part Number	Ratings			Phases			Commutation			Features			Lead Angle Control			Protection			Temperature Range T _A [°C]	Package	
	V _{M(opr)} [V]	I _{OUT(ABS)} [A]	R _{ON(typ)} HS+LS [Ω]	Hall Sensor Inputs (Analog/Digital)	Square-wave	Sine-wave	Pseudo Sine-wave	Wide-angle (150°)	Single Power Supply	Internal Regulator Output [V]	Speed Control Input	AEC-Q100	External Input	Auto (current FB)	Auto (rpm FB)	Auto (InPAC)	Under Voltage Lockout (UVLO)	Over Current (ISD)			Over Temperature (TSD)
TB6585AFTG/FG	4.5-42	1.8	0.7	3	-	●	-	-	●	4.4	Analog	-	●	●	-	-	●	●	●	-30 to +85	QFN48/HSOP36
TB6585FTG	4.5-42	1.0	0.7	3	-	●	-	-	●	4.4	Analog	-	●	●	-	-	●	●	●	-30 to +85	QFN48
TB6588FG	7-42	2.5	0.6	3	-	●	-	-	●	5	Analog	-	●	●	-	-	●	●	●	-30 to +105	HSOP36
TB6633AFNG/FNG	4-22	1.0	0.8	3	-	●	-	-	●	5	Analog	-	●	●	-	-	●	●	●	-30 to +105	SSOP24
TB67B001FTG/AFTG	4-22	3.0	0.6	3	-	●	-	-	●	5	Analog / PWM	-	●	●	-	-	●	●	●	-40 to +105	VQFN36
TB67B008AFNG/BFNG/CFNG/FNG	4-22	3.0	0.6	3	-	●	-	-	●	5	PWM	-	●	●	-	-	●	●	●	-40 to +105	SSOP24
TB67B008AFTG/BFTG/CFNG/FTG	4-22	3.0	0.6	3	-	●	-	-	●	5	PWM	-	●	●	-	-	●	●	●	-40 to +105	WQFN24
TB67Z800FTG	4-22	3.0	0.3	3	-	-	-	-	●	5	6-line PWM	-	-	-	-	-	●	●	●	-40 to +105	VQFN36
TC78B002FNG/FTG	3.3-16	1.5	1.6	1	1	-	-	●	-	●	5	Analog	-	●	-	-	●	●	●	-40 to +105	SSOP16/WQFN16
TC78B015AFTG/BFTG/CFNG/FTG	6-30	3.0	0.24	3	1	-	-	-	●	●	5	Analog / PWM	-	●	-	●	●	●	●	-40 to +85	WQFN36
TC78B016FTG	6-30	3.0	0.24	3	3	-	●	-	-	●	5	Analog / PWM	-	●	-	●	●	●	●	-40 to +105	WQFN36
TC78B025FTG	5.5-16	3.5	0.2	3	1	-	-	●	-	●	5	Analog / PWM	-	●	-	●	●	●	●	-40 to +105	WQFN24

* under development

Brushless motor pre-drivers

Part Number	Ratings		MOSFET Configuration	Hall Sensor Inputs (Analog/Digital)	Commutation				Features				Lead Angle Control				Temperature Range T _A [°C]	Package
	VM (opr) [V]	Phases			Square-wave	Sine-wave	Pseudo Sine-wave	Wide-angle (150°)	Single Power Supply	Internal Regulator Output [V]	Speed Control Input	AEC-Q100	External Input	Auto (current FB)	Auto (rpm FB)	Auto (InPAC)		
TB6605FTG	9-28	3	6*N-ch	3	-	●	-	-	●	5	PWM	-	●	-	●	-	-30 to +85	VQFN36
TB9062FNG	6.5-20	3	3*P-ch/3*N-ch	-	●	-	-	●	5	PWM	●	●	-	-	-	-40 to +125	SSOP24	
TB9080FG	7-18	3	6*N-ch	3	-	●	-	-	●	5	Analog / PWM	●	-	●	-	-40 to +125	LQFP64	
TB9081FG	4.5-28	3	6*N-ch	-	-	-	-	-	-	-	6-line PWM	●	-	-	-	-40 to +125	LQFP64	
TC78B004FTG	10-28	3	6*N-ch	3	-	●	-	-	●	1.5, 5	Analog	-	-	●	-	-30 to +85	WQFN40	
TC78B006AFNG/AFTG	3.5-30	1	2*P-ch/2*N-ch	1	-	-	●	-	●	5	PWM	-	-	-	-	-40 to +105	SSOP16/WQFN16	
TC78B006BFNG/BFTG	3.5-30	1	2*P-ch/2*N-ch	1	-	-	●	-	●	5	Analog	-	-	-	-	-40 to +105	SSOP16/WQFN16	
TC78B006CFNG/CFTG	3.5-30	1	2*P-ch/2*N-ch	1	-	-	●	-	●	5	Analog	-	-	-	-	-40 to +105	SSOP16/WQFN16	
TC78B006FNG/FTG	3.5-30	1	2*P-ch/2*N-ch	1	-	-	●	-	●	5	PWM	-	-	-	-	-40 to +105	SSOP16/WQFN16	
TC78B027FTG*	5.5-16	3	6*N-ch	1	-	●	-	●	●	5	Analog / PWM	-	-	-	●	●	-40 to +105	WQFN24

Controller for high voltage intelligent power devices

Part Number	Ratings		Hall Sensor			Commutation		Features			Lead Angle Control				Temperature Range T _A [°C]	Package
	VM (opr) [V]	Number of Inputs	Analog Inputs	Digital Inputs	Square-wave	Sine-wave	Single Power Supply	Internal Regulator Output [V]	Speed Control Input	External Input	Auto (current FB)	Auto (rpm FB)	Auto (InPAC)			
TB6551FAG	6-10	3	-	●	-	●	●	5	Analog	●	-	-	-	-30 to +115	SSOP24	
TB6556FG	6-10	3	-	●	●	●	●	5	Analog	●	●	-	-	-30 to +115	SSOP30	
TB6575FNG	4.5-5.5	-	-	-	●	-	●	-	Analog	●	-	-	-	-30 to +105	SSOP24	
TB6584AFNG/FNG	6-16.5	3	●	●	-	●	●	5	Analog	●	●	-	-	-30 to +115	SSOP30	
TB6586AFNG/BFG/FG	6.5-16.5	3	●	●	●	●	●	5	Analog	●	-	-	-	-30 to +115	SSOP24	
TB6631FNG	7-16.5	3	●	●	-	●	●	5	Analog	●	-	●	-	-30 to +115	SSOP30	
TB6634FNG	6-16.5	3	●	●	-	●	●	5	Analog	●	●	-	-	-30 to +115	SSOP30	
TB67B054FTG	6-16.5	3	●	●	-	●	●	5	Analog	●	●	-	-	-30 to +115	VQFN32	
TC78B041FNG*	6-16.5	3	●	●	-	●	●	5	Analog	●	-	●	●	-30 to +115	SSOP30	
TC78B042FTG*	6-16.5	3	●	●	-	●	●	5	Analog	●	-	●	●	-30 to +115	VQFN32	

High voltage intelligent power devices

Part Number	Ratings				Hall Sensor Inputs (Analog/Digital)	Commutation			Features						Protection			Temperature Range [°C]	Package
	VM (abs) [V]	VM (opr) [V]	VCC (opr) [V]	IOUT (abs) [A]		Square-wave	Sine-wave	Wide-angle (150°)	6-Line / 3-Phase Input	PWM / 3-Phase Decoder	Forward/Reverse Selection	Rotation Pulse Selection	Lead Angel Control	Output Shut Down	Over Current (ISD)	Over Temperature (TSD)	Under Voltage (UVLO)		
TB67B000FG/HG	500	50-450	13.5-16.5	2.0	3	-	●	●	-	●	●	●	●	-	●	●	●	-30 to +115 (T _A)	HSSOP34/HDIP30
TPD4123AK	500	50-450	13.5-16.5	1.0	-	-	●	-	●	-	-	-	●	-	●	●	●	-40 to +135 (T _J)	HDIP26
TPD4123K	500	50-450	13.5-16.5	1.0	-	-	●	-	●	-	-	-	●	-	●	●	●	-40 to +135 (T _J)	HDIP26
TPD4135AK	500	50-450	13.5-16.5	3.0	-	-	●	-	●	-	-	-	●	-	●	●	●	-40 to +135 (T _J)	HDIP26
TPD4135K	500	50-450	13.5-16.5	3.0	-	-	●	-	●	-	-	-	●	-	●	●	●	-40 to +135 (T _J)	HDIP26
TPD4142K	500	50-450	13.5-17.5	1.0	3	●	-	-	●	●	-	-	-	-	●	●	●	-40 to +135 (T _J)	HDIP26
TPD4144AK	500	50-450	13.5-16.5	2.0	-	-	●	-	●	-	-	-	●	-	●	●	●	-40 to +135 (T _J)	HDIP26
TPD4144K	500	50-450	13.5-16.5	2.0	-	-	●	-	●	-	-	-	●	-	●	●	●	-40 to +135 (T _J)	HDIP26
TPD4146K	500	50-450	13.5-17.5	1.0	3	●	-	-	●	-	●	-	-	-	●	●	●	-40 to +135 (T _J)	HDIP26
TPD4151F/K	250	50-185	13.5-17.5	1.0	3	●	-	-	●	-	●	-	-	-	●	●	●	-40 to +135 (T _J)	HSSOP31/HDIP26
TPD4152F	600	50-450	13.5-17.5	0.7	3	●	-	-	●	●	-	-	-	-	●	●	●	-40 to +135 (T _J)	HSSOP31
TPD4204F	600	50-450	13.5-16.5	2.5	-	-	●	-	●	-	-	-	●	-	●	●	●	-40 to +100 (T _C)	SSOP30
TPD4206F	500	50-450	13.5-16.5	2.5	-	-	●	-	●	-	-	-	●	-	●	●	●	-40 to +100 (T _C)	SSOP30
TPD4207F	600	50-450	13.5-16.5	5.0	-	-	●	-	●	-	-	-	●	-	●	●	●	-40 to +100 (T _C)	SSOP30

* under development