

Part number		<a href="#">TB9084FTG</a>
Supported motors		Three-phase brushless motors
Number of three-phase bridges / half-bridges channels		One channel / Three channels
Main functions		Six-channel gate-driver functions (sink-and-source), One-channel gate-driver function (source only), Operational amplifier for one-channel motor current sensing, SPI communication, Motor emergency stop function
Main error detections		Power supply under voltage detection, charge pump overvoltage detection, thermal shutdown, VDS detections of MOSFET, SPI communication error detection
Absolute maximum ratings (Ta=25°C, unless otherwise specified)	Power supply voltage VB Vb (V)	-0.3 to 28(DC)
		28 to 40(≤1s)
	Power supply voltage VCC Vcc (V)	-0.3 to 6
	Operating ambient temperature Ta (°C)	-40 to 150
Operating range (Tj=-40 to 175°C)	Power supply voltage VB Vb (V)	5.7 to 28
	Power supply voltage VCC Vcc (V)	3.0 to 5.5
Package		P-VQFN36-0606-0.50
Reliability		To be AEC-Q100(Grade0) qualified