

Main Specifications

Part number	TB9083FTG	
Supported motors	Three-phase brushless DC motor	
Main functions	SPI communication, three channels current monitor amplifier, three channels gate-driver for safety relay, external MOSFET VGS clamping function	
Self-diagnosis function	ABIST, LBIST	
Error detections	Undervoltage detection, overvoltage detection, external MOSFET VGS/VDS detection, overtemperature detection	
Operating voltage range	VB=4.5V to 28V, VCC=3.0V to 5.5V	
External power supply	2 power supplies (VB, VCC)	
Operating temperature range	Ta=-40°C to 150°C, Tj=-40°C to 175°C	
Package	Name	P-VQFN48-0707-0.50-005
	Size typ. (mm)	7.0 × 7.0
Reliability	AEC-Q100/006 qualified	
Sample Check & Availability	Buy Online	