

Main Specifications

(T_a=-40 to 125°C unless otherwise specified)

Part number		TB9032FNG	
Standard		ISO 20794-4 (Automotive communications protocol standard CXPI physical layer)	
Function		Physical layer interface	
Nodes selection		Possible (Switchable between the commander node and responder node via an external terminal.)	
Absolute maximum ratings	Power supply voltage 1 V_{BAT} (V)	T_a=25°C	-0.3 to 40
Operating ranges	BAT normal operating range V_{BAT} (V)		7 to 18
	VIO normal operating range V_{VIO} (V)		4.5 to 5.5
	Operating temperature range T_a (°C)		-40 to 125
Current consumption (Sleep) I_{BAT_SLP} (μA)		typ.	5
Communications speed (kbps)		max	20
Fault detection functions		Overheat detection, low voltage detection and dominant timeout	
Package	Name		P-SOP8-0405-1.27-002
	Size (mm)	typ.	6.0×4.9
Reliability test		To be AEC-Q100 (Grade1) qualified	
Mass production		March 2024	