


IC TXRX LIN2.0/2.1 8SOIC



Images are for reference only

[Inquiry](#)

Manufacturer:	Microchip Technology, Inc
Package/Case:	SOP8
Product Type:	Discrete Semiconductor Modules
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	NRND

General Description

The ATA6662C-GAQW is a low-power, high-speed transceiver specifically designed for local interconnect network (LIN) applications in automotive systems. It provides a reliable and cost-effective communication interface between various electronic control units (ECUs) within a vehicle.

Key Features

LIN Interface: The ATA6662C-GAQW supports the LIN 2.x and LIN 2.x enhanced physical layer specifications, ensuring compatibility with existing LIN networks.

High-Speed Communication: It offers a maximum data rate of 20 kbps to 100 kbps, enabling fast and efficient data transmission between connected ECUs.

Integrated Protection Features: The transceiver includes built-in protection features such as overtemperature protection, undervoltage lockout (UVLO), and short-circuit protection, ensuring robust operation and preventing damage in harsh automotive environments.

Low Power Consumption: The device is designed for low power consumption, making it suitable for automotive applications where power efficiency is essential.

Wake-up and Sleep Modes: It supports wake-up and sleep modes, allowing for power-saving operation and enabling efficient network management.

ESD Protection: The transceiver incorporates electrostatic discharge (ESD) protection, safeguarding it against electrostatic discharge events during handling and operation.

Enhanced Diagnostic Features: It provides enhanced diagnostic capabilities, including bus error detection, bus voltage monitoring, and LIN bus failure detection, facilitating effective network monitoring and troubleshooting.

Recommended For You

ATA6626C-PGQW

Microchip Technology, Inc
QFN

ATA6662C-TAQY

Microchip Technology, Inc
SOP8

ATA663454-GDQW

Microchip Technology, Inc
DFN16

ATA663231-GBQW

Microchip Technology, Inc
DFN8

ATA6664-GAQW

Microchip Technology, Inc
SOP8

ATA6662-TAQY

Microchip Technology, Inc
SOP-8

ATA663254-GAQW

Microchip Technology, Inc
SOIC-8

ATA663254-GBQW

Microchip Technology, Inc
VDFN-8

ATA663211-GBQW

Microchip Technology, Inc
VDFN-8

ATA663211-GAQW

Microchip Technology, Inc
SOP8

ATA6624C-PGQW-1

Microchip Technology, Inc
VQFN20

ATA6570-GNQW1

Microchip Technology, Inc
SOP14

ATA6630-GLQW

Microchip Technology, Inc
QFN

ATA6625C-GAQW

Microchip Technology, Inc
SOP8

ATA6626-PGQW

Microchip Technology, Inc
QFN