Manufacturers	NXP Semiconductor
Package/Case	SOP-8
Product Type	Memory
RoHS	
Lifecycle	

Images are for reference only

Please submit RFQ for TJA1050T/VM or Email to us: sales@ovaga.com We will contact you in 12 hours.   RFQ

General Description

The TJA1050T/VM is a CAN transceiver designed to provide reliable communication between a microcontroller and a CAN bus. It is compatible with the ISO 11898-2 standard for high-speed CAN networks. The "T" in the part number indicates the device is a surface mount package, and the "VM" indicates the package type.

Features

High-speed data rates: Supports data rates up to 1 Mbps

Fully integrated transceiver: Includes a CAN protocol controller and a CAN transceiver

Differential signaling: Utilizes differential signaling for robust
communication and noise immunity

Wide supply voltage range: Operates from a single 5V power supply

Low power consumption: Designed for low-power applications

Thermal protection: Includes thermal shutdown protection to prevent device overheating

Wake-up support: Supports wake-up functionality for low-power modes

Fail-safe features: Implements fail-safe features to ensure safe operation in case of bus failure

Application

Automotive systems: Used in vehicles for communication between various electronic control units (ECUs), such as engine control, body control, and infotainment systems

Industrial automation: Used in industrial control systems for communication between sensors, actuators, and control units

Medical equipment: Used in medical devices for data exchange and control

Building automation: Used in building management systems for controlling and monitoring different subsystems

Communication networks: Used in various communication systems for data transmission and control

Related Products

TJA1048TK

NXP Semiconductor

HVSON14

TJA1054AT/VM

NXP Semiconductor

SOP-14

TJA1020T/VM

NXP Semiconductor

SOP8

TJA1020T/N1

NXP Semiconductor

SOP-8

TJA1042

NXP Semiconductor

SOP-8

TJA1049T

NXP Semiconductor

SOP8

TJF1051T

NXP Semiconductor

SOP8

P89V51RC2FBC

NXP Semiconductor

TQFP-44