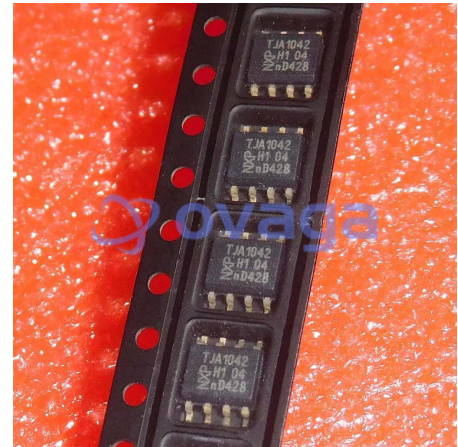


High-speed CAN transceiver with Standby mode

Manufacturers	<a href="#">NXP Semiconductor</a>
Package/Case	SOP-8
Product Type	Memory
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for TJA1042 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

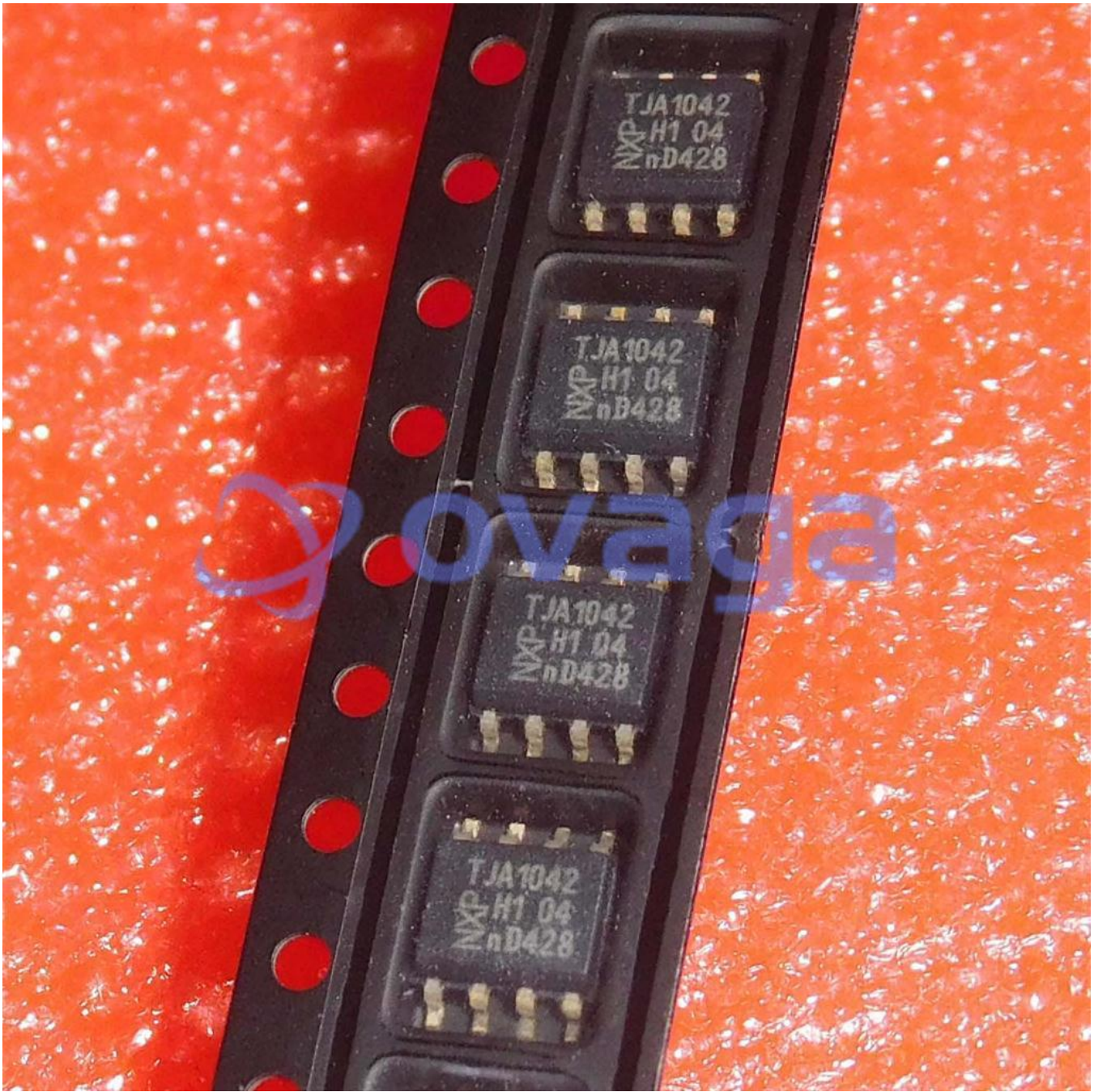
TJA1042 is a high-speed CAN (Controller Area Network) transceiver produced by NXP Semiconductors. It is designed for use in automotive and industrial applications and is used to enable communication between different electronic control units (ECUs) in a vehicle or industrial network.

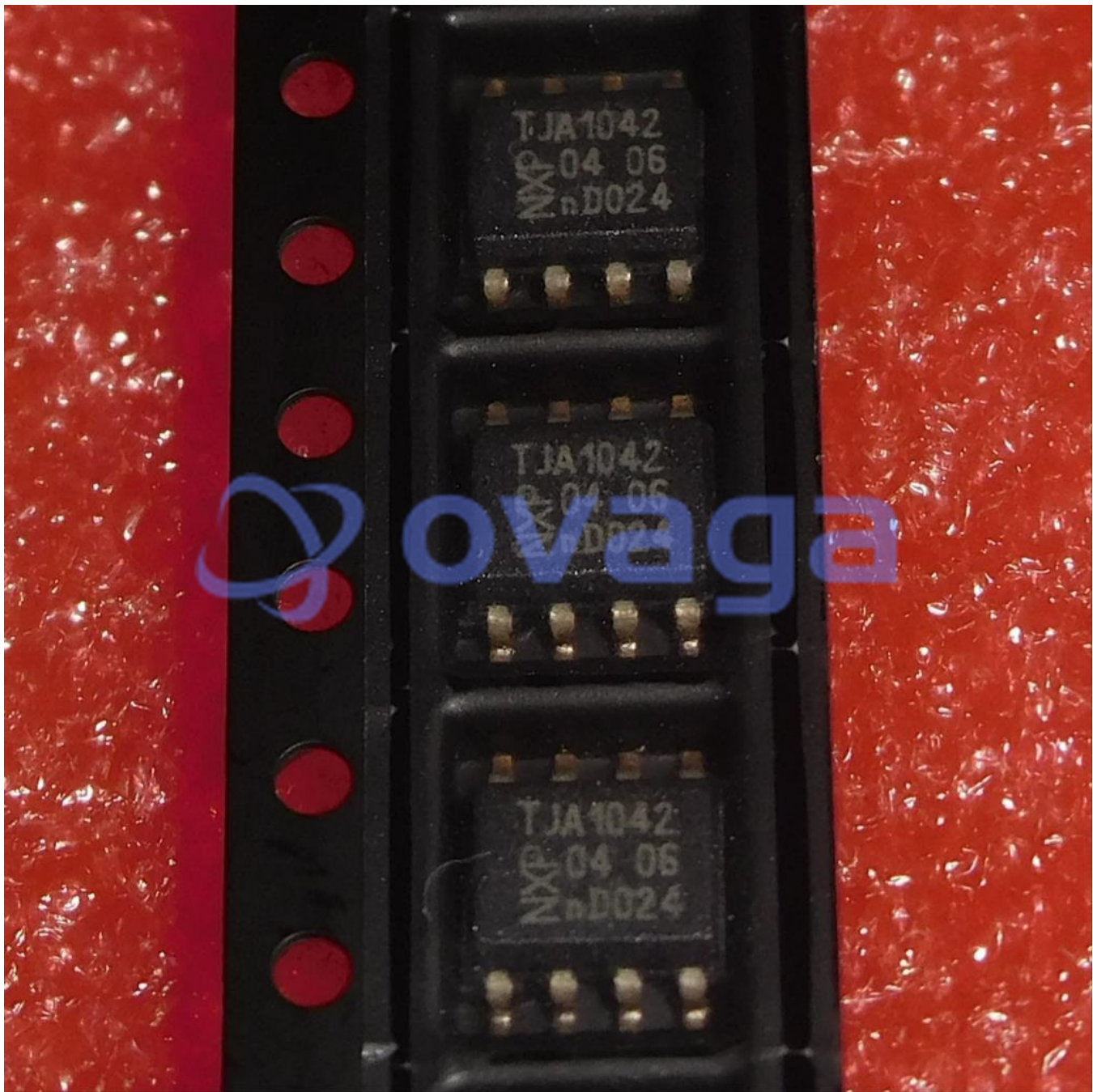
## Features

- High-speed CAN transceiver with data rates up to 1 Mbps
- Supports ISO 11898-2:2016-compliant CAN FD (Flexible Data Rate)
- Designed for use in harsh automotive and industrial environments with a wide operating temperature range of -40°C to 125°C
- Low electromagnetic emission (EME) and high electromagnetic immunity (EMI)
- Protection features such as short-circuit protection, thermal protection, and under-voltage lockout

## Application

- Automotive communication systems for cars, trucks, and buses
- Industrial control and automation systems
- Medical equipment and devices
- Aerospace and defense systems





### Related Products



#### [TJA1048TK](#)

NXP Semiconductor  
HVSON14



#### [TJA1054AT/VM](#)

NXP Semiconductor  
SOP-14



#### [TJA1050T/VM](#)

NXP Semiconductor  
SOP-8



#### [TJA1049T](#)

NXP Semiconductor  
SOP8



[TJA1020T/VM](#)

NXP Semiconductor  
SOP8



[TJE1051T](#)

NXP Semiconductor  
SOP8



[TJA1020T/N1](#)

NXP Semiconductor  
SOP-8



[P89V51RC2FBC](#)

NXP Semiconductor  
TQFP-44