MCP2562T-E/SN

Data Sheet

CAN Bus, ISO11898-2/5, CAN, 4.5 V, 5.5 V, NSOIC

Manufacturers	Microchip Technology, Inc
Package/Case	SOIC-8
Product Type	Interface ICs
RoHS	Rohs
Lifecycle	

Images are for reference only

Please submit RFQ for MCP2562T-E/SN or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The MCP2561/2 is Microchip Technology Inc. second generation high-speed CAN transceiver. It serves as an interface between a CAN protocol controller and the physical two-wire CAN bus. The device meets the automotive requirements for high-speed (1 Mb/s), low quiescent current, electromagnetic compatibility (EMC) and electrostatic discharge (ESD). The device family members are: • MCP2561 with SPLIT pin • MCP2562 with VIO pin

Features

Supports 1 Mb/s operation

Implements ISO-11898-5 standard physical layerrequirements

AEC-Q100 Grade 0

Very low standby current (Typ: 5μA)

VIO supply pin (MCP2562) to interface directly to CAN controllers and microcontrollers with 1.8V to 5V I/O

SPLIT output pin (MCP2561) to stabilize common mode in biased split termination schemes

CAN bus pins are disconnected when device is unpowered. An unpowered node or brown-out event will not load the CAN bus

Detection of ground fault; Permanent dominant detection on TXD, Permanent dominant detection on bus

Power-on Reset and voltage brown-out protectionon VDD and VIO pin

Protection against damage due to short-circuitconditions (positive or negative battery voltage)

Protection against high-voltage transients in automotive environments

Automatic Thermal Shutdown protection

Suitable for 12V and 24V systems

Up to 112 nodes can be connected

High-noise immunity due to differential bus implementation

High ESD protection on CANH and CANL, IEC61000-4-2 > 8kV

Available in PDIP-8L, SOIC-8L and 3x3 DFN-8L.

Temperature ranges; Extended (E): -40°C to +125°C, High (H): -40°C to +150°C


(1P) CATALOG P/N: MCP2562T-E/SN
AIBIO
(1T) LOT NO.: 1813008880000MTAI
MICROCHIP
Pb RoHS e3
MSL: 1/260C
PKG: SOIC
LEAD: 8
(Q) QTY
2575
(P) CUST. P/N:-
D/C QTY
1725 3300
MPC: V7BB2YC2XB00
SEAL DATE: -
WAFER QTY: -
WAFER REV: -
RECERT D/C: -
WAFER LOT: -
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QC418
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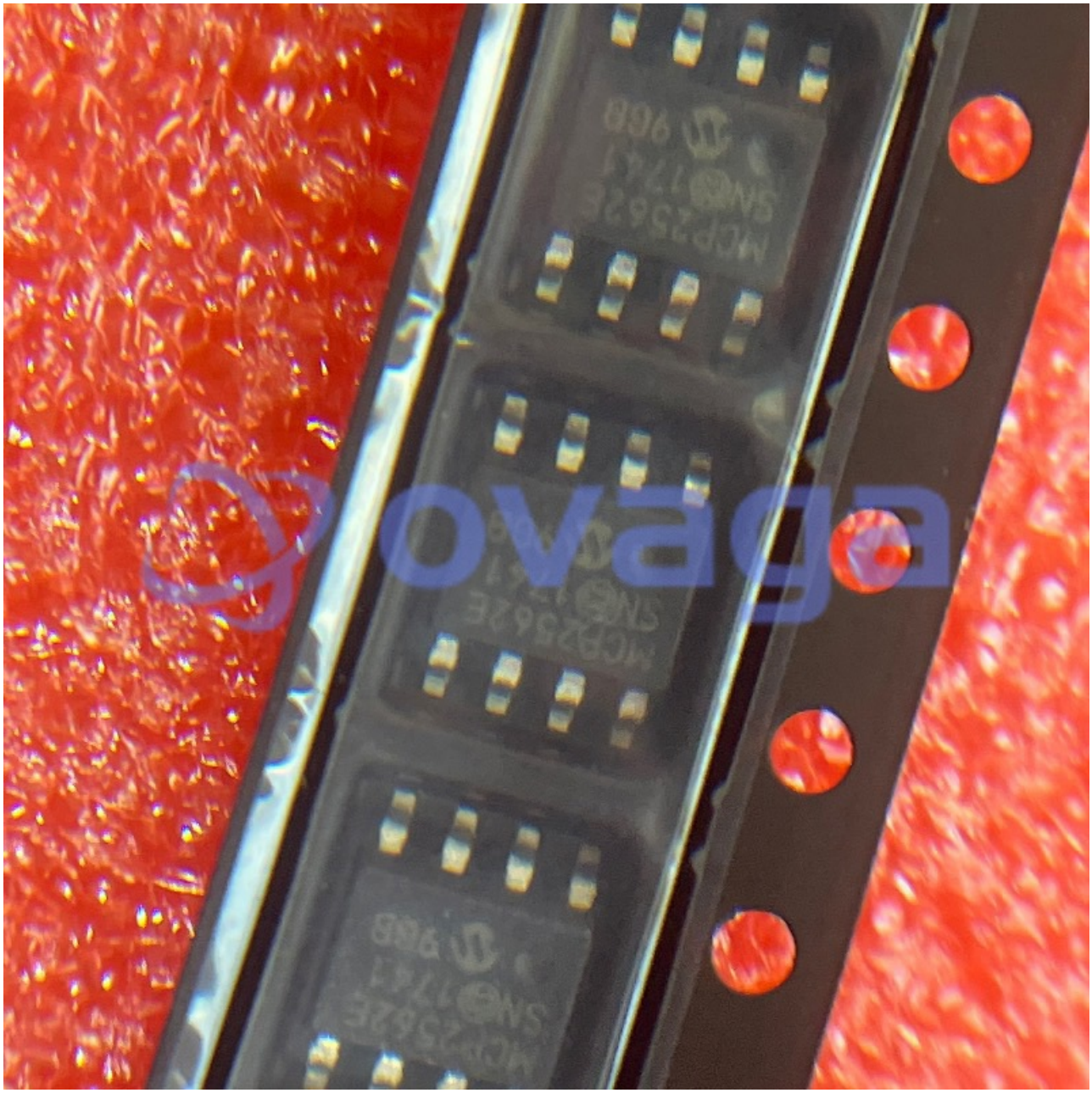
MADE IN THAILAND



Related Products

[MCP23008T-E/SO](#)

Microchip Technology, Inc

SOIC-18

[MCP2551-I/P](#)

Microchip Technology, Inc

PDIP-8

[MCP25625T-E/ML](#)

Microchip Technology, Inc

QFN-28

[MCP2210-I/SO](#)

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SOP-20

[MCP23008T-E/ML]

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QFN-20

[MCP2515T-I/SO]

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SOIC-18

[MCP2515T-I/ST]

Microchip Technology, Inc

TSSOP-20

[MCP2562FDT-H/SN]

Microchip Technology, Inc

SOIC-8