

CJMCu-2551 Can bus interface



Product Code: 553aa

Stock: 2

Custom Field 5 (Location): C 17

Price: kr. 110,00

Short Description

MCP2551 CJMCU-2551 High Speed CAN Controller Bus Interface Modul Arduino

Description

MCP2551 CJMCU-2551 High Speed CAN Controller Bus Interface Modul Arduino

Lieferumfang: 1x MCP2551 Modul inkl Stiftheissen

This is a fault tolerant high speed CAN device that can be used as a CAN protocol controller and a physical bus interface. The MCP2551 provides differential transceiver capability for the CAN protocol controller, which fully complies with the ISO-11898 standard, including 24V voltage requirements.

Typically, each node on the CAN system must have a device that converts the digital signal generated by the CAN controller into a signal suitable for bus transmission. It also adds a buffer between the CAN controller and the high voltage spikes on the CAN bus, which may be generated by external devices.

Support 1MB / S running speed.

Meet ISO-11898 standard physical layer requirements.

Suitable for 12V and 24V systems. Slope external control to reduce RFI.

Automatically detects a ground fault at the TXD input.

Power-on reset and voltage event undervoltage protection.

No power-up node or undervoltage does not affect the CAN bus.

Low current standby operation.

Up to 112 nodes can be connected.

Chip Feature:

Supports 1 Mb/s operation

Implements ISO-11898 standard physical layer requirements

Suitable for 12V and 24V systems

Externally-controlled slope for reduced RFI emissions

Detection of ground fault (permanent Dominant) on TXD input

Power-on Reset and voltage brown-out protection

An unpowered node or brown-out event will not disturb the CAN bus

Low current standby operation

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

Protection against high-voltage transients

Automatic thermal shutdown protection

Up to 112 nodes can be connected

High-noise immunity due to differential bus implementation

Temperature ranges:

- Industrial (I): -40°C to +85°C

- Extended (E): -40°C to +125°C