CCA1224

Serial Bus Interface for automotive audio controller

The CCA1224 is a bus interface IC with driver and receiver function. The bus driver provides dual data inputs which can also be combined to support a single input along with a differential current bus output. The receiver uses the driver outputs as input and delivers the signal to an open collector output. The chip is automotive qualified and is available in a SOP8 package. It is functional and pin compatible to the obsolete part no. HA12240.

Features

- Current drive output typ. 3.8 mA
- Hysteresis comparator for receiver
- Open collector receiver output
- Operating VCC 5 V ±0.5 V
- Standby function (IVCC < 1 µA)
- ESD protection 2kV on all IO pins
- SOP8 package 3.9x4.9mm
- Automotive qualified (AECQ100)

Benefits

- Two or combined data inputs (3.3 V and 5.0 V)
- Wide receiver common mode input range of 0 to 5V
- Hysteresis input comparator
- Drop in replacement for HA12240

Applications

- Automotive audio equipment controller
- General audio controller

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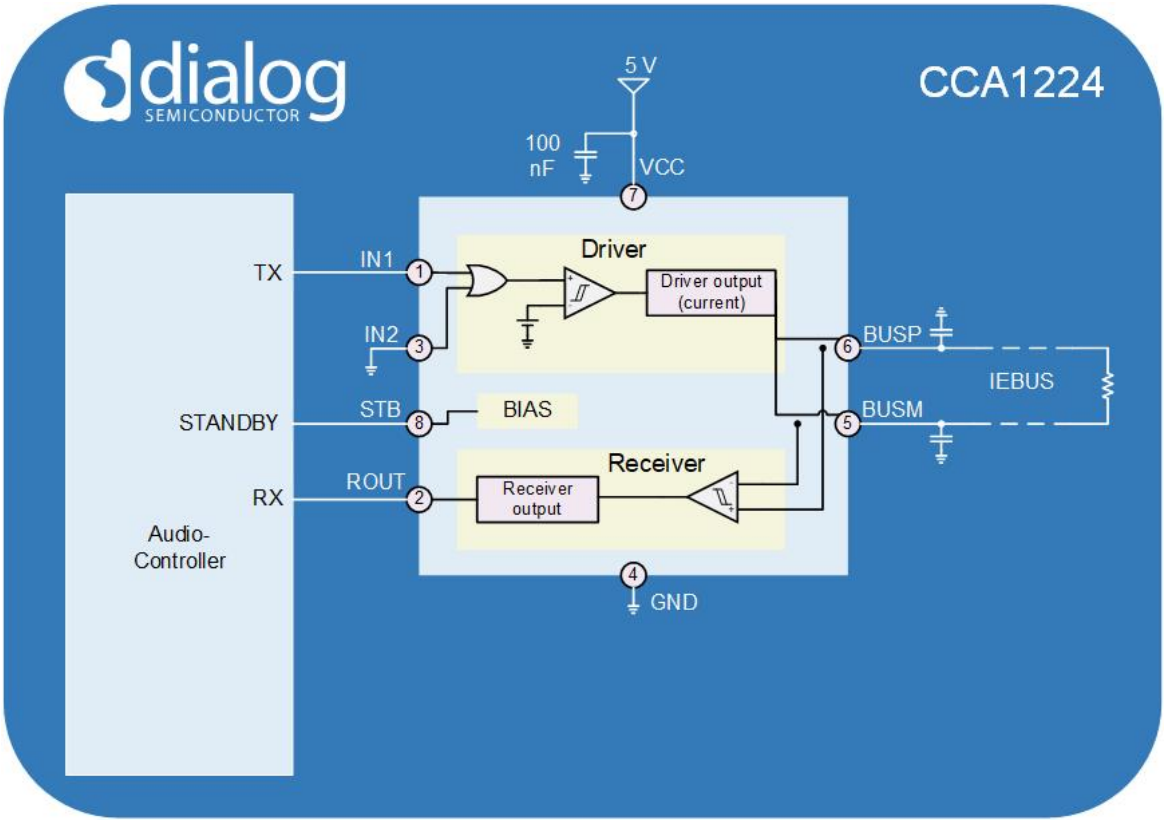
Block Diagram



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