



ISO17987 LIN 2.1/SAE J2602 Transceiver

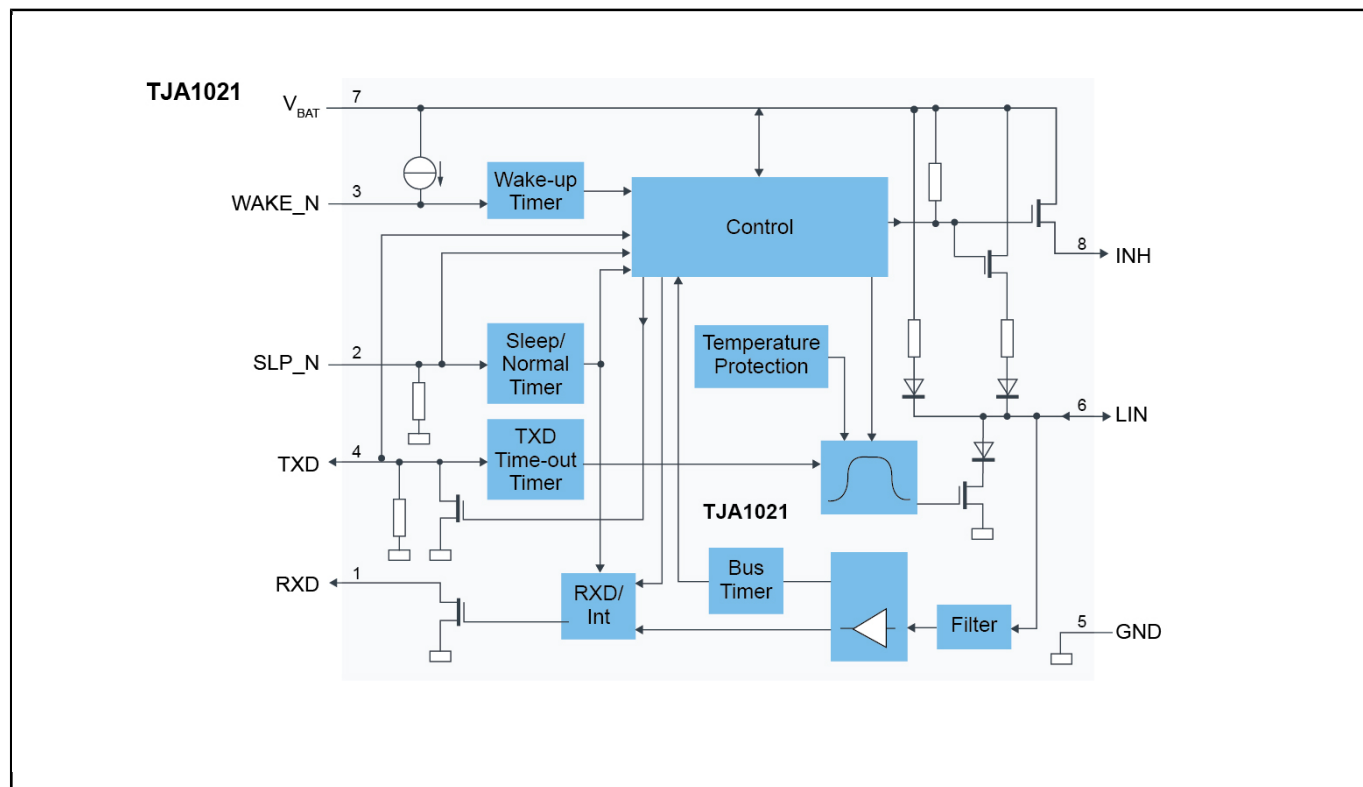
TJA1021

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TJA1021是本地互连网络（LIN）主/从协议控制器与**LIN**中物理总线之间的接口。它主要用于波特率从**1kBd**到**20kBd**的车载子网络，符合**LIN2.0**、**LIN2.1**、**LIN2.2**、**LIN2.2A**、**SAEJ2602**和**ISO17987-4:2016（12V）**等标准。**TJA1021**与**TJA1020**和**MC33662（B）**引脚兼容。

通过**TJA1021**将发送数据输入（**TXD**）的协议控制器发送数据流转换成具有最佳转换率和波束赋形的总线信号，以使电磁辐射（**EME**）最小化。**LIN**总线输出引脚通过内部终端电阻拉高。对于指令器应用，应在引脚**INH**或引脚**VBAT**和引脚**LIN**之间连接一个与二极管串联的外部电阻。接收器会检测**LIN**总线输入引脚的数据流并通过**RXD**引脚将其传送至微控制器。在睡眠模式中，**TJA1021**的功耗非常低。故障模式功耗最低。

TJA1021 结构框图 Block Diagram



View additional information for [ISO17987 LIN 2.1/SAE J2602 Transceiver](#).

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