Strengthening the link between the real and the digital world (/cms/en/about-infineon/company/cypress-acquisition/)

TLE9015DQU_TRX_BRG `NEW`

Battery Management System evaluation board which features the iso UART Transceiver IC TLE9015QU

Overview

The evaluation board features the iso UART Transceiver IC **TLE9015DQU (/cms/en/product/battery-management-ics/tle9015dqu/)** based on distributed architecture including cabling and necessary software for Infineon **AURIX™ Microcontroller (/cms/en/product/microcontroller/32-bit-tricore-microcontroller/)**.
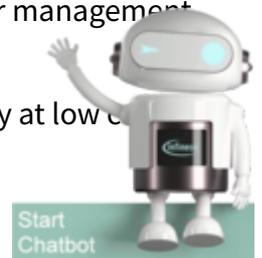
Summary of Features

- Easy connection to slave in the daisy chain
- Cables included for fast set up
- Ring mode support
- Wide supply range up to 45V input voltage
- Footprint for sensing IC integration

Potential Applications

- Hybrid Electric Vehicle (HEV)
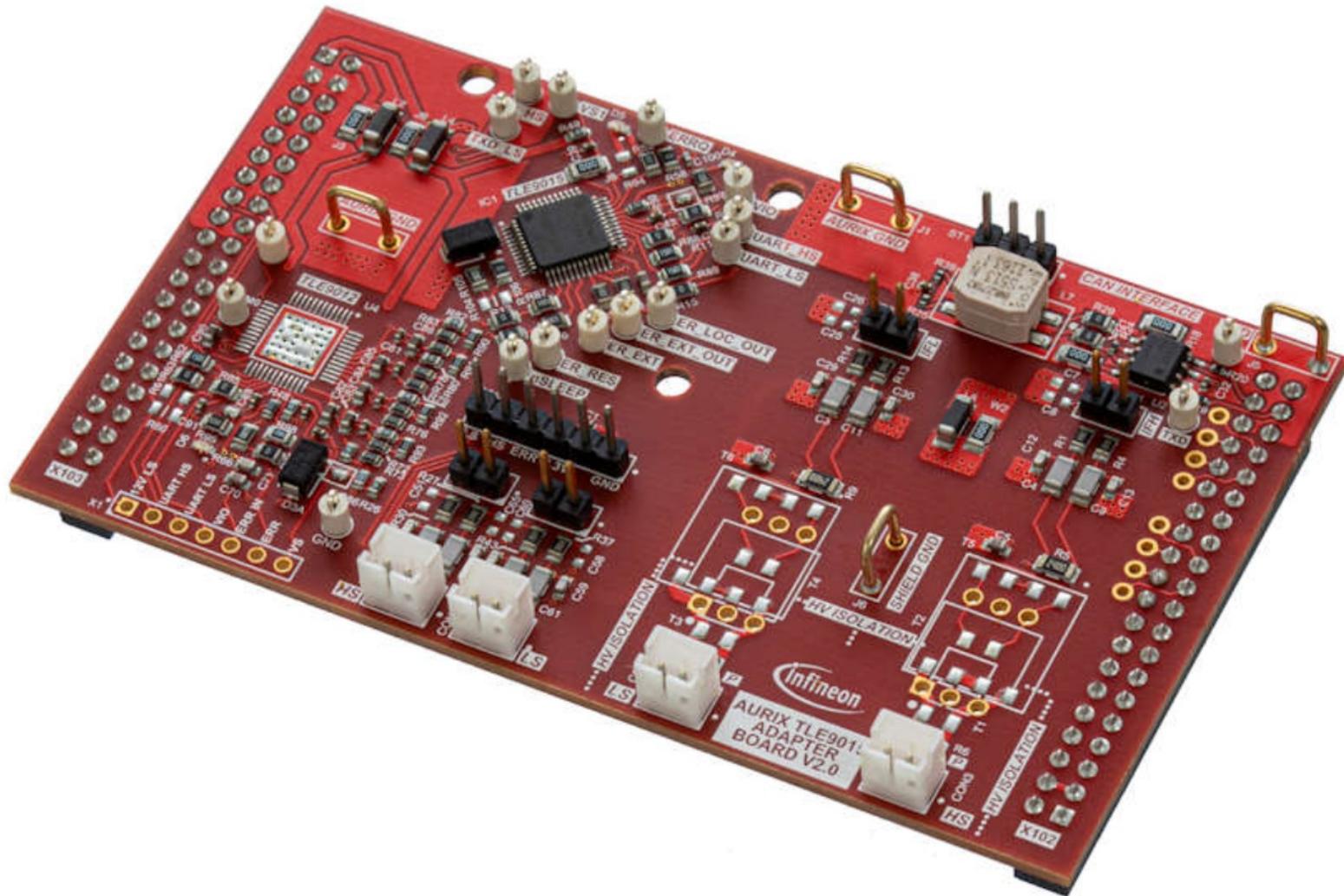- Plug-in Hybrid Electric Vehicle (PHEV)

Benefits

- Robust communication without need of transformers or common mode chokes
- Primary-on-Top or Primary-on-bottom selectable without tedious configuration
- Bi-directional communication scheme using error management logic
- Ring mode topology for further system availability at low c

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- Battery Electric Vehicle (BEV)

- Energy Storage System (ESS)

- Home Energy Storage system

- CAV

Parametrics

Parametrics	TLE9015DQU_TRX_BRG
Family	Battery Management ICs
Input Type	DC (Powered by Aurix demokit connector)
Product Description	Evaluation Board including TLE9015DQU transceiver IC
Qualification	Automotive
Supply Voltage min	4.75 V ; 45 V
Target Application	xEV, Energy Storage, eBike, etc.
Topology	Distributed BMS systems

Documents

> Login (/sec/login?ret=https%3A%2F%2Fwww.infineon.com%2Fcms%2Fen%2Fproduct%2Fevaluation-boards%2Ftle9015dqu_trx_brg%2F%23!documents)
to myInfineon to see all documents available

＋ User Manual

Order

TLE9012DQU & TLE9015DQU User Manual 🔒 (/dgdl/Infineon-Infineon-TLE9012DQU_TLE9015DQU-UM-v01_00-EN-UserManual-v01_00-EN.pdf?fileId=8ac78c8c7e7124d1017f0c4f8750574b)
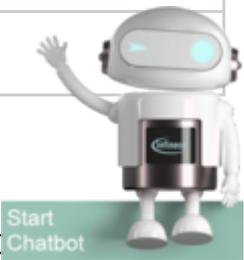
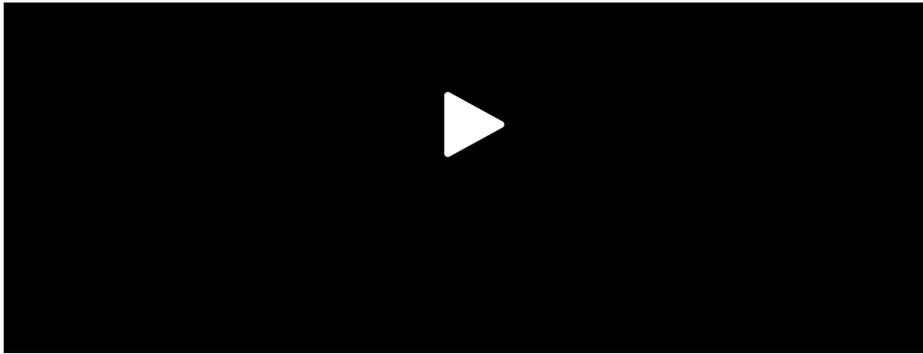| Sales Product Name	TLE9015DQU_TRX_BRG
OPN	01_00 | 2022-02-18 | pdf | 16.8 MB TLE9015DQUTRXBRGTOBO1
Product Status	active and preferred
Infineon Package name	--
Standard Package name	
Order online	
Completely lead free	
Halogen free	
RoHS compliant	no
Packing Size	1
Packing Type	CONTAINER
Moisture Level	
Moisture Packing	NON DRY

Videos

Get the most out of your battery with Infineon evaluation boards Share

In this video, Roberta and Christian are showing the Infineon's

battery management IC TLE9012DQU and TLE9015DQU evaluation boards and how to use Battery monitoring GUI. For more information on products and evaluation boards visit https://www.infineon.com/bmsic

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Infineon's partners offer products and services that complement our semiconductor device solutions to accelerate your devel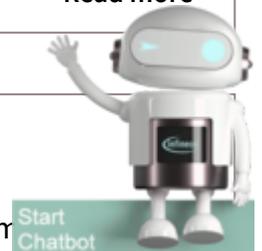opment efforts and time to market. You can find them here: **https://www.infineon.com/partnerfinder (https://www.infineon.com/partnerfinder)**.

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Package information

The package information is available on **our homepage (https://www.infineon.com/packages)**. Please note, that they are divided into the subcategories "Leaded and through-hole", "Surface Mounted Devices" and "Special Packages". You will find all relevant package information at the section that applies

Notes on processing

Information regarding reflow profile, soldering temperature, soldering profile and further processing notes for most of the discrete products are mentioned in the Application Note. Please visit **https://www.infineon.com/packages (https://www.infineon.com/packages)** and refer to the

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