



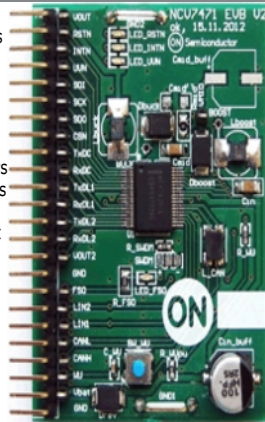
- Design Support
- Design Resources & Documents
 - Application Notes
 - Collateral Brochures
 - Conformance Reports
 - Data Sheets
 - Design Notes
 - Design & Development Tools
 - Errata
 - Evaluation Board Documents
 - Evaluation / Development Tools**
 - Package Drawings
 - Product Recommendation Tools
 - Sample Kits and Printed Documents
 - Reference Designs
 - Reference Manuals
 - Simulation Models
 - Tutorials
 - Videos
 - Software
 - White Papers
- Technical Support
- Community
- GreenPoint® Design Tool

Home > Support > Design Support > Design Resources & Documents > Evaluation/Development Tools

NCV74715V1GEVB: SBC, ECU, 250mA System Basis Chip for Automotive Electronic Control Unit Evaluation Board

Evaluation/Development Tool Description

The NCV74715V1GEVB, 250mA, Evaluation Board is designed to quickly assess the NCV7471, a System Basis Chip (SBC) for integrating functions typically found in automotive Electronic Control Units (ECUs) in the body domain. NCV7471 provides and monitors the low-voltage power supplies for the application microcontroller and other loads, monitors the application software via a watchdog and includes high-speed CAN and LIN transceivers allowing the ECU to host multiple communication nodes or to act as a gateway unit. The on-chip state controller ensures safe power-up sequence and supports low-power modes with a configurable set of features including wakeup from the communication buses or by a local digital signal WU. The status of several NCV7471 internal blocks can be read by the microcontroller through the serial peripheral interface or can be used to generate an interrupt request. For more information please see the datasheet.



Features and Applications

Features

- CurrentMode Fixed Frequency Operation
- SkipCycle Operation at Low Peak Currents Only

Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
NCV74715V1GEVB	Active	Pb-free	SBC, ECU, 250mA System Basis Chip for Automotive Electronic Control Unit Evaluation Board	NCV7471DQ5R2G	Buy Now Contact Local Sales Office Inventory

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: Manual	NCV7471 System Basis Chip Evaluation Board User's Manual	EVBUM2219/D - 815 KB	1
Eval Board: BOM	NCV74715V1GEVB Bill of Materials ROHS Compliant	NCV74715V1GEVB_BOM_ROHS - 134 KB	0
Eval Board: Gerber	NCV74715V1GEVB Gerber Layout Files (Zip Format)	NCV74715V1GEVB_GERBER - 148 KB	0
Eval Board: Schematic	NCV74715V1GEVB Schematic	NCV74715V1GEVB_SCHEMATIC - 352 KB	0
Eval Board: Test Procedure	NCV74715V1GEVB Test Procedure	NCV74715V1GEVB_TEST_PROCEDURE - 255 KB	0

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