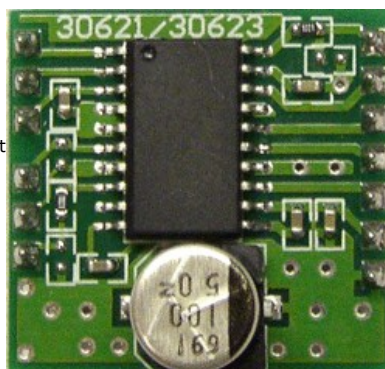




AM306238R1DBGEB: Daughterboard LIN Stepper Driver with Stall Detection (SOIC) Evaluation Board

The AM306238R1DBGEB is a form factor Reference Design providing a complete solution driving bipolar stepper motors. In conjunction with the AMIS3062xAGEVK evaluation kit it forms a LIN based solution turning high level commands from a LIN master in well defined motions. The design can be programmed to detect and act on mechanical blocking of the rotor. It also incorporates the lowest bill of materials, small board size and perfect matched thermal resistance allowing to drive 800 mA at elevated ambient temperature.

Note: This board must be used with the [AMIS3062XAGEVK Automotive Stepper Motor Driver Kit](#).



Features and Applications

Features

- Low bill of materials
- Small form factor (25mm x 24mm)
- Plug and Play in combination with AMIS3062xAGEVK
- LIN interface
- Microstepping (1/2, 1/4, 1/8, 1/16)
- Sensorless stall detection
- Peak current of 800mA
- 8V-29V supply voltage
- Automotive compliant
- Full diagnostics and status information
- Position controller
- Configurable speeds, acceleration and deceleration
- Programmable hold and run current

Applications

- Flap control in HVAC systems
- Headlamp Positioning systems

Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
AM306238R1DBGEB	Active	Pb-free	Daughterboard LIN Stepper Driver with Stall Detection (SOIC) Evaluation Board	AMIS30623C6238G , AMIS30623C6238RG	» Contact Local Sales Office » Inventory

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	AM306238R1DBGEB Bill of Materials ROHS Compliant	AM306238R1DBGEB_BOM_ROHS.PDF - 120.0 KB	0
Eval Board: Gerber	AM306238R1DBGEB Gerber Layout File (Zip Format)	AM306238R1DBGEB_GERBER.ZIP - 79.0 KB	2
Eval Board: Schematic	AM306238R1DBGEB Schematic	AM306238R1DBGEB_SCHEMATIC.PDF - 214.0 KB	0

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