



AM306239R1DBGEB: Daughter Board LIN Stepper Driver SOIC Evaluation Board

The AM306239R1DBGEB is a form factor daughter board providing a complete solution driving bipolar stepper motors. In conjunction with the evaluation kit AMIS3062XGEVK 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 driving 800 mA at elevated ambient temperature.

Note: This board must be used with the [AMIS3062XGEVK Industrial Stepper Motor Driver Kit](#).



Features and Applications

Features

- Low bill of materials
- Small form factor (25mm x 24mm)
- Plug and Play in combination with AMIS3062XGEVK
- I²C interface
- Microstepping (1/2, 1/4, 1/8, 1/16)
- 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
- Pan - tilt - zoom function in Surveillance Camera
- Mechatronic modules
- X-Y-Z tables
- Printers
- Industrial robots
- Pick-and-place machines
- Dose pumps
- Event lighting

Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
AM306239R1DBGEB	Active	Pb-free	Daughter Board LIN Stepper Driver SOIC Evaluation Board	AMIS30623C6239G , AMIS30623C6239RG	» Contact Local Sales Office » Inventory

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	AM306239R1DBGEB Bill of Materials ROHS Compliant	AM306239R1DBGEB_BOM_ROHS.PDF - 107.0 KB	0
Eval Board: Gerber	AM306239R1DBGEB Gerber Layout Files (Zip Format)	AM306239R1DBGEB_GERBER.ZIP - 79.0 KB	2
Eval Board: Schematic	AM306239R1DBGEB Schematic	AM306239R1DBGEB_SCHEMATIC.PDF - 214.0 KB	0

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