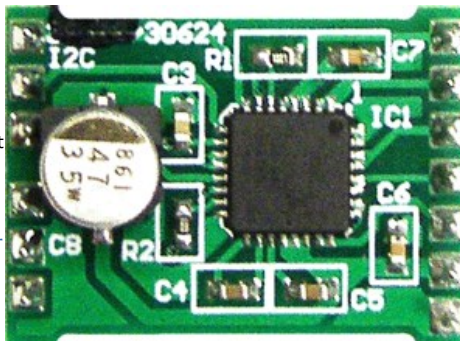




AM306245R1DBGEBV: Daughter Board I²C Stepper Driver NQFP Evaluation Board

The AM306245R1DBGEBV is a form factor daughter board providing a complete solution driving bipolar stepper motors. In conjunction with the evaluation kit AMIS3062XGEVK it forms an I²C based solution turning high level commands from an I²C 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 18mm)
- 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
AM306245R1DBGEBV	Active	Pb-free	Daughter Board I ² C Stepper Driver NQFP Evaluation Board	AMIS30624C6245RG	» Contact Local Sales Office » Inventory

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	AM306245R1DBGEBV Bill of Materials ROHS Compliant	AM306245R1DBGEBV_BOM_ROHS.PDF - 107.0 KB	0
Eval Board: Gerber	AM306245R1DBGEBV Gerber Layout Files (Zip Format)	AM306245R1DBGEBV_GERBER.ZIP - 92.0 KB	4
Eval Board: Schematic	AM306245R1DBGEBV Schematic	AM306245R1DBGEBV_SCHEMATIC.PDF - 193.0 KB	0

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