



NV706271R2DBGEBV: LIN ST Driver Stall SS Demonstration Evaluation Board

The NCV70627 is a single-chip micro-stepping motor driver with position controller and control/diagnostic interface. It is ready build dedicated mechatronics solutions connected remotely with LIN master.

The chip receives positioning instructions through the bus and subsequently drives the motor coils to the desired position. The onchip position controller is configurable (OTP or RAM) for different motor types, positioning ranges and parameters for speed, acceleration and deceleration. The NCV70627 acts as a slave on LIN bus and the master can fetch specific status information like actual position, error flags, etc. from each individual slave node.

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



Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
NV706271R2DBGEBV	Active	Pb-free	LIN ST Driver Stall SS Demonstration Evaluation Board	NCV70627DQ001G	Contact Local Sales Office

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NV706271R2DBGEBV Bill of Materials ROHS Compliant	NV706271R2DBGEBV_BOM_ROHS.PDF - 28.0 KB	0
Eval Board: Gerber	NV706271R2DBGEBV Gerber Layout Files (Zip Format)	NV706271R2DBGEBV_GERBER.ZIP - 93.0 KB	1
Eval Board: Schematic	NV706271R2DBGEBV Schematic	NV706271R2DBGEBV_SCHEMATIC.PDF - 66.0 KB	0
Eval Board: Test Procedure	NV706271R2DBGEBV Test Procedure	NV706271R2DBGEBV_TEST_PROCEDURE.PDF - 325.0 KB	1
Software	AMIS3062x GUI Software	AMIS3062X_GUI_SOFTWARE.ZIP - 51542.0 KB	3.3.1

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