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NV706271R2DBGEVB: 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.

NV706271R2DBGEVB Test Procedure

AMIS3062x GUI Software

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Evaluation/Development Tool Information									
Product	Status	Compliance	Short Description		Parts Used	Action			
NV706271R2DBGEVB	Active	Pb-free	LIN ST Driver Stall SS Demonstration Evaluation Board		NCV70627DQ001G	Contact Local Sales Office			
Technical Docu	ments	rumont Titlo		Document ID /Si			Boy		
Eval Board: BOM	NV7 Corr	06271R2DBGE	VB Bill of Materials ROHS	NV706271R2DBGEVB_BOM_ROHS.PDF - 28.0 KB			0		
Eval Board: Gerber	NV7 Forr	06271R2DBGE nat)	VB Gerber Layout Files (Zip	NV706271R2DBGEVB_GERBER.ZIP - 93.0 KB			1		
Eval Board: Schemati	ic NV7	06271R2DBGE	VB Schematic	NV706271R2DBGEV	B_SCHEMATIC.PDF -	66.0 KB	0		

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AMIS3062X_GUI_SOFTWARE.ZIP - 51542.0 KB

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Eval Board: Test

Procedure

Software