



## CCR230PS3AGEVB: Constant Current Regulator Driver Evaluation Board for LED Lighting Solutions, 230 V



The CCR230PS3AGEVB is a linear LED driver reference design featuring ON Semiconductor Constant Current Regulators (CCRs). This evaluation board demonstrates the Three-Stage, Parallel-to-Series topology, outlined in the DN05047 design note. This evaluation board can also be adapted to emulate the Three-Stage, 120V Parallel-to-Series circuit detailed in the DN05051 design note.

The driver board uses discrete transistors and diodes to switch LED strings between parallel and series configurations to track the rectified bridge voltage. Resistors may be swapped out to change switching points when using LED string voltages other than those provided with the CCR230PS3AGEVK LED Evaluation Kit. The evaluation board contains a female connector for off-board LEDs, which are typically implemented on a metal-clad board.

### Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
CCR230PS3AGEVB	Active	Pb-free	Constant Current Regulator Driver Evaluation Board for LED Lighting Solutions, 230 V	NSIC2020BT3G , NSIC2030BT3G	<a href="#">» Contact Local Sales Office</a> <a href="#">» Inventory</a>

### Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	CCR230PS3AGEVB Bill of Materials ROHS Compliant	CCR230PS3AGEVB_BOM_ROHS - 43 KB	0
Eval Board: Gerber	CCR230PS3AGEVB Gerber Layout Files (Zip Format)	CCR230PS3AGEVB_GERBER - 77 KB	0
Eval Board: Schematic	CCR230PS3AGEVB Schematic	CCR230PS3AGEVB_SCHEMATIC - 205 KB	0
Eval Board: Test Procedure	CCR230PS3AGEVB Test Procedure	CCR230PS3AGEVB_TEST_PROCEDURE - 606 KB	0

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