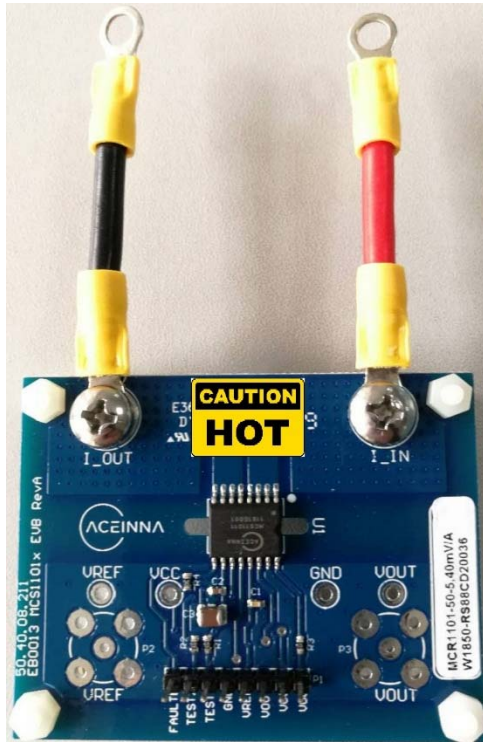


## Quick Start Guide



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### DESCRIPTION

The EB0013 test board provides a simple means to evaluate the performance of MCx1101 series current sensors. A fully isolated low resistance primary current path is provided by a double sided PCB with 4 ounce copper thickness. The secondary side bias and outputs are easily accessible through test points, an 8 pins connector and BNC outputs for low noise connection to an oscilloscope or other test equipment. BNC connectors is not a default option. If you would like to get the GBW or low noise performance, you need to mount the BNC connectors.

### TEST BOARD PIN DESCRIPTION

Name	Connection	Description
I_IN	Fix the wire of Primary Current by screw	Non-Inverting Current Sense Input
I_OUT	Fix the wire of Primary Current by screw	Inverting Current Sense Input
VOC	P1 Connector Pin 1	Input pin. Voltage on this pin defines the OCP threshold level.
VCC	P1 Connector Pin 2	Sensor power supply. Connects to 5V or 3.3V
VOUT	P1 Connector Pin 3	Analog Output Signal linearly proportional to Primary Path Current
VREF	P1 Connector Pin 4	Zero Current Analog Reference Output
GND	P1 Connector Pin 5	Ground
TEST1	P1 Connector Pin 6	For factory calibration only. Do not connect.
TEST2	P1 Connector Pin 7	For factory calibration only. Do not connect.
FAULTB	P1 Connector Pin 8	Output pin, active low when the primary current exceeds the setting threshold

### Note:

This EVB is designed to work up to 50A peak (35A RMS) for thermal handling capability of the PCB layout. To evaluate the performance with 35 -50A DC, use pulsed current with appropriate duty cycle that guarantees no more than 35A RMS.

High current will cause sensor IC and PCB to be very hot. The junction temperature can exceed 100°C. Do not touch the chip and PCB. The temperature rise can be reduced by using thicker cables and bigger screws.