



PANEL MOUNTED LOW VOLTAGE WARNING LED FLASHES WHEN BUS IS <13V.

NOTE: It is normal for this module's indicator LED to flash any time the BATTERY MASTER switch is turned ON and the engine's charging system is not operating.

NOTE: The center pin (2) of U2 is not used. To ease soldering, the pad for pin 2 has been removed from the circuit board. Break this pin from the component body before installation into the circuit board.

Install components onto circuit board. Solder wires to pads at end of board, route wires along length of board, then cover board with heat shrink tubing. Optionally install connector on module wires and on wires from aircraft bus, instrument panel grounding point and panel mounted low voltage warning LED.

Components: <https://www.digikey.com/en/mylists/list/0XS06Q6M3L>

Circuit Board: [https://oshpark.com/shared\\_projects/bu6bnfif](https://oshpark.com/shared_projects/bu6bnfif)

■ = All wires terminated on common stud/pin.

⊗ = Instrument Panel Ground (e.g. Forest of Tabs)



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<b>Title:</b> Low Voltage Warning Module (13V Trip, 1Hz Flashing Output, Based on AEC 9005-110-1, Jan 2002, by Robert L. Nuckolls III)	<b>Rev:</b> A
	<b>Size:</b> 11x8.5
<b>Date:</b> 29 May 2025	<b>Drawn by:</b> EP
<b>Sheet:</b> 1 of 1	