

P/N KIT34844EPEVME



This EVB shows the functionality of MC34844 setup with variable operation parameters. The MC34844 is a high efficiency, LED driver for use in backlighting LCD displays from 10" to 20"+ can operate in this demo board from a supply of 24V. The device is capable of driving up to 160 LEDs in 10 parallel strings. The current through these 10 channels is matched to within $\pm 2\%$ and can be programmed via the I2C/SM-bus interface or using direct PWM input. For evaluation purposes this Demo Board includes a USB to I2C bridge that allows control the EVB via USB communication through a PC. All these control functions are gathered in a friendly GUI (Graphical User Interface) also provided along with the Demo Board.

This evaluation board allows the user to test this device on its three operational modes: Master Mode, Slave Mode and Stand Alone Mode by facilitating access to all pins and providing different possible component configuration.

Features

- Four Layer Board
- Low Noise Design
- Top Layer Placement
- USB to I2C Interface included
- Terminal Block and Connector for the 10 LED channels
- Terminal Blocks for Input Voltage, Output Voltage, and Control Signals (EN, A0SEN, CK, PWM)
- Jumper Configuration and resistors arrays for adjusting signals .
- Test Holes for SW Current Measurements

Kit Contains

- Assembled and tested evaluation board/module in anti-static bag.
- Misc Cables (see packing list)
- CD-ROM containing:
 - Supporting Documentation for featured device (may include datasheet, user's guides, app notes...etc)
 - Schematic of evaluation board
 - Bill-of-Material for evaluation board
 - Instruction sheet for evaluation board
 - Software and configuration files (if applicable)

