July 10, 2017

Create More Reliable and Cost-Effective LED Lighting Applications with Microchip's Sequential Linear LED Driver

CL88020 is a Next Generation Device Designed for Offline Lighting

CHANDLER, Ariz., July 10, 2017 (GLOBE NEWSWIRE) -- A next-generation sequential linear LED driver for offline lighting applications is now available from Microchip Technology Inc. (NASDAQ:MCHP). The CL88020, an extension of Microchip's popular CL88XX family, is designed to drive a long string of low-cost LEDs directly from the 120 V_{AC} line input. The product allows customers to create reliable, cost-effective and compact LED lighting applications by having High Power Factor (PF) without the need for switch-mode power conversion which is typically required for LED lighting design.

"The transition from traditional lighting to LED is here and moving at a fast pace," said Keith Pazul, director of marketing for Microchip's Analog, Power and Interface Division. "Microchip has a rich and diverse LED lighting portfolio, and customers are continually seeking better electronic solutions such as those found in this new device."

The CL88020 was designed to minimize driver circuit component count to allow for a very small and efficient design. The simple design allows for a single-layered Printed Circuit Board (PCB) design. Unlike the conventional AC-DC switch mode power supply, the basic driver circuit consists of the CL88020 IC, two small ceramic capacitors and a bridge rectifier only. High-voltage capacitors, transformer or inductors, electromagnetic interference (EMI) filters or Power Factor Correction (PFC) circuitry are not required. This allows for a smaller solution size and a lower overall bill of material (BOM) cost as compared to traditional LED solutions.

"The approach of AC to direct drive helps our customers address many concerns related to their designs," continued Pazul. "This latest LED driver enables customers to design simpler, smaller and more robust high-performance LED lighting systems than previously possible."

For more information about CL88020 visit: **http://www.microchip.com/CL88020_Main7166**

Pricing and Availability
CL88020T-E/SE is available today in a SOIC-8 package for sampling and in volume production starting at $0.93 in 10,000 units.

For additional information, contact any Microchip sales representative or authorized worldwide distributor, or visit Microchip's website. To purchase products mentioned in this press release, go to Microchip's easy-to-use online sales channel **microchipDIRECT** or contact one of Microchip's authorized distribution partners.

Resources
High-res images available through Flickr or editorial contact (feel free to publish):

- PR Graphic: **www.flickr.com/photos/microchiptechnology/35630062231/sizes/l**
- Block Diagram: **www.flickr.com/photos/microchiptechnology/35630058231/sizes/l**

About Microchip Technology
Microchip Technology Inc. (NASDAQ:MCHP) is a leading provider of microcontroller, mixed-signal, analog and Flash-IP solutions, providing low-risk product development, lower total system cost and faster time to market for thousands of diverse customer applications worldwide. Headquartered in Chandler, Arizona, Microchip offers outstanding technical support along with dependable delivery and quality. For more information, visit the Microchip website at **www.microchip.com**.

Note: The Microchip name and logo and the Microchip logo are registered trademarks of Microchip Technology Incorporated in the U.S.A. and other countries. All other trademarks mentioned herein are the property of their respective companies.

Editorial Contact:
Sarah Broome
480-792-4386
Sarah.broome@microchip.com

Reader Inquiries:
1-888-624-7435

Source: Microchip Technology Incorporated