



Smaller Packaged LCD Controller/driver

Description

EM6111 is a bit map low multiplex controller and driver for B/W TN and STN LCD displays. The driving capability is 2 or 1 rows x 7 columns. The display refresh is implemented internally. The display data are entered by a 2 wires serial interface. The RAM data correspond directly to the LCD pixels (segments): a set bit in the RAM results in an activated LCD pixel. The very low current consumption, the large voltage range and the wide temperature range give the EM6111 a real advantage for use in various portable applications.

Key Features

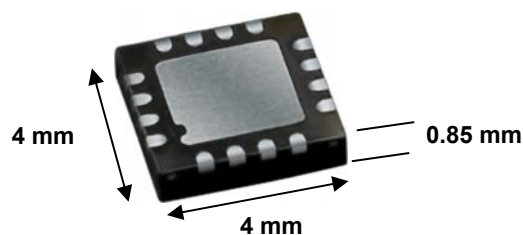
- ❑ Very small Package MLF16 4x4mm
- ❑ Wide V_{DD} supply voltage range
 - 1.8 to 5.5V in static mode
 - 3 to 5.5V in multiplex rate 2 mode
- ❑ Drive up to 14 segments, programmable multiplex rate (static or 2)
- ❑ No external component required
- ❑ 2 wires serial interface.
- ❑ Low operating current consumption
- ❑ Operation temperature range: -40°C to +85°C

Applications

- Headsets application
- LCD Battery indicators
- Industrial measuring instruments (Balances and scales, utility meters, ...)
- Portable, battery operated products

MLF16 4x4 Package

Small & Thin



Typical Application

