

## Product Overview

### LC75839PW: LCD Driver, 1/4 and 1/3 Duty, General-Purpose

For complete documentation, see the data sheet.

The LC75839PW is 1/4 duty and 1/3 duty general-purpose microprocessor-controlled LCD driver that can be used in applications such as frequency display in products with electronic tuning. In addition to being able to drive up to 208 segments directly, the LC75839PW can also control up to 4 general-purpose output ports. Because it has the PWM output of a maximum of 3 ch, the brightness control of the LED backlight of RGB can be done. Incorporation of an oscillation circuit helps to reduce the number of external resistors and capacitors required.

### Features

- Support for 1/4-duty 1/3-bias or 1/3-duty 1/3-bias drive techniques under serial data control. When 1/4-duty: Capable of driving up to 208 segments. When 1/3-duty: Capable of driving up to 159 segments
- Serial data input supports 'computer control bus' format communication with the system controller. (Support 3.3 V and 5 V operation)
- Serial data control of the power-saving mode based backup function and the all segments forced off function.
- Serial data control of switching between the segment output port and general-purpose output port function. (Support for up to 4 general-purpose output ports)
- Support for the PWM output function of a maximum of 3 ch. (It can output from the general-purpose output port )
- Support for clock output function of 1ch.
- Serial data control of the frame frequency of the common and segment output waveforms.
- Serial data control of switching between the internal oscillator operating mode and external clock operating mode.
- High generality, since display data is displayed directly without the intervention of a decoder circuit.
- The INH pin allows the display to be forced to the off state.

For more features, see the data sheet

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Created on: 9/19/2019

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