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SSD1873

Introduction

Advance Information

MLA COLUMN (SEGMENT) DRIVER

CMOS

SSD1732 is a power chip for four-line MLA (Multi Line Addressing) LCD drivers. It can be used with MLA column (segment) drivers and MLA row (common) drivers (*) to form a module with extremely low power consumption.

SSD1732 consists of CMOS charge-pump type voltage converter that generates all the required bias voltages for a four-line MLA system. Row and Column driving voltage are controlled by separated power source so as to increase the flexibility in matching LCD panel properties. 5X/6X/7X booster step-up mode and internal oscillator are available to meet different LCD driving voltage requirement.

(*) Please refer to MLA product list or application note for the MLA chipset product information.

Features

- Generate all LCD voltages required for 4-line MLA driving
- 5X / 6X / 7X step-up by internal charge pump DC/DC converter
- Separated row and column driving power sources
- Row driving / Logic power supply range (VDD_PWR)
  - 2.4 to 3.6V for 5X step-up mode
  - 2.4 to 3.0V for 6X step-up mode
  - 2.4 to 2.55V for 7X step-up mode
- Column driving power supply range (+V3)
  - 1.8 to VDD_PWR
- Low power consumption
- External contrast control
- Optional internal oscillator with adjustable frequency
- Internal –V1 voltage discharge circuit to discharge the residual charge at the row driver negative voltage-side power supply voltage terminal -V1
- Internal "power off" function using an external signal
- Equipped internally with a LCD polarity reverse signal generator
- Polarity reversed periods in the range of 2 to 17 LP interval
- Cascadable
- Available in 48 pin QFP package (0.5mm terminal pitch)

Ordering Information

Ordering Part No.	Package	Pad Pitch/Outer Lead Pitch
SSD1732QL3	48 LQFP	-

Contact our sales representative for more information:

Tel: (852) 2207 1111
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or

Request a datasheet

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