

产品概览

LC75832W: LCD Driver, 1/2 Duty, Static Drive

欲看完整文档，请参阅数据表。

The LC75832W is a static drive or 1/2-duty drive, microcontroller-controlled general-purpose LCD driver that can be used in applications such as frequency display in products with electronic tuning. In addition to being capable to drive up to 108 segments directly, they can control up to 4 general-purpose output ports. Since the LC75832W use separate power supply systems for the LCD drive block and the logic block, the LCD driver block power-supply voltage can be set to any voltage in the range 2.7 to 6.0 volts, regardless of the logic block power-supply voltage.

特性

- Serial data control of switching between static drive mode and 1/2 duty drive mode.
- Up to 54 segments can be displayed in static drive (1/1 duty) mode and up to 108 segments can be displayed in 1/2 duty drive mode.
- Serial data input supports 'computer control bus' format communication with the system controller.
- 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 functions (up to 4 general-purpose output ports).
- Serial data control of the frame frequency of the common and segment output waveforms.
- Either RC oscillator operating or external clock operating mode can be selected with the serial control data.
- High generality, since display data is displayed directly without the intervention of a decoder circuit.
- Independent VLCD for the LCD driver block (VLCD can be set to any voltage in the range of 2.7 to 6.0 volts.) regardless of the logic block supply-voltage.
- The INH pin allows the display to be forced to the off state.

For more features, see the data sheet

器件电气规格

产品	Compliance	Status	Segments	Key Detection	V _{DD} Min (V)	V _{DD} Max (V)	V _{LCD} Min (V)	V _{LCD} Max (V)	Operating Temperature (°C)	Output Ports	PWM Outputs	Package Type
LC75832W-E	Pb-free	Active	1/2 Duty: 108 (100) Static: 54 (50)		2.7	6	2.7	6	-40 to 105	4		SPQFP-64 / SQFP-64
LC75832WH-E	Pb-free	Active	Static: 54 (50) 1/2 Duty: 108 (100)		2.7	6	2.7	6	-40 to 105	4		SPQFP-64 / SQFP-64
LC75832WS-E	Pb-free	Active	Static: 54 (50) 1/2 Duty: 108 (100)		2.7	6	2.7	6	-40 to 105	4		SPQFP-64 / SQFP-64
LC75832WS-TBM-E	Pb-free	Active	Static: 54 (50) 1/2 Duty: 108 (100)		2.7	6	2.7	6	-40 to 105	4		SPQFP-64 / SQFP-64

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