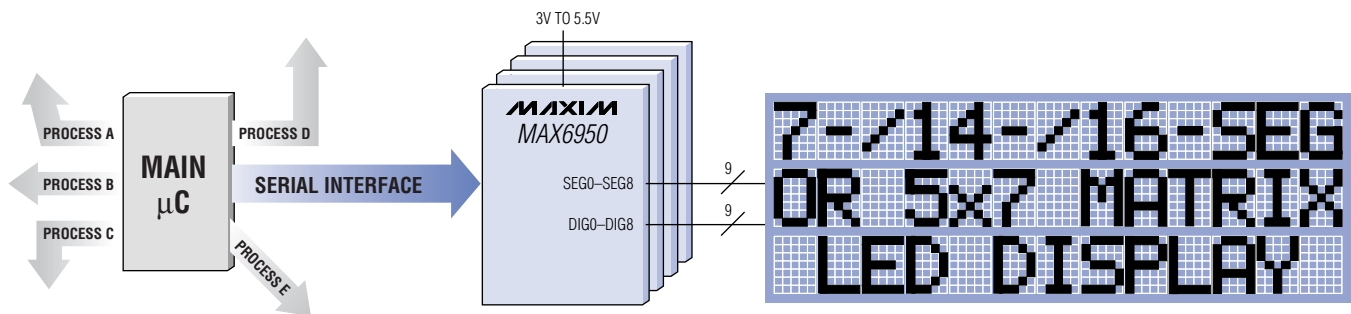


3V TO 5V LED DISPLAY DRIVERS SIMPLIFY SOFTWARE AND SPEED DEVELOPMENT

Interface Directly to Main μ P with Integrated Multiplex Engine, Digital Brightness Control, Blink, and Fonts

The MAX6950–MAX6959 are LED display drivers for 5 x 7 matrix and 7-, 14-, and 16-segment displays. These devices feature an integrated multiplex engine, fonts, keyscan, blink, and intensity control. Easily controlled through a serial interface by the main microprocessor (μ P), these display drivers eliminate the need for a separate front-panel microcontroller (μ C).



- ◆ Choice of Serial Interface
 - ◆ 400kHz I²C™-/SMBus™-Compatible
 - ◆ 26MHz SPI™-Compatible
 - ◆ Power-Saving 3V Operation
- ◆ Embedded ASCII Fonts
- ◆ Integrated Keyscan (MAX6954/MAX6955/MAX6959)
- ◆ Available in Space-Saving Surface-Mount and DIP Packages

Part	Interface (Hz)	Supply (V)	Display Type	Total No. of LEDs	Fonts	Pin-Package
MAX6950	26M SPI	2.7 to 5.5	5 digits/7 segment + DP	40	Hex	16-QSOP
MAX6951	26M SPI	2.7 to 5.5	8 digits/7 segment + DP	64	Hex	16-QSOP
MAX6952/MAX6953	26M SPI/400k I ² C	2.7 to 5.5	4 digits/5 x 7 matrix	140	104 fixed plus 24 user-definable characters	40-DIP/36-SSOP
MAX6954/MAX6955	26M SPI/400k I ² C	2.7 to 5.5	16 digits/7 segment + DP 8 digits/14 or 16 segment + DP	128	104 fixed plus 24 user-definable characters	40-DIP/36-SSOP
MAX6956/MAX6957	400k I ² C/26M SPI	2.7 to 5.5	Static (any type)	20 or 28	—	28-DIP/SSOP, 40-DIP/36-SSOP
MAX6958	400k I ² C	3 to 5.5	4.5 digits/7 segment + DP	36	Hex	16-DIP/QSOP
MAX6959	400k I ² C	3 to 5.5	4.5 digits/7 segment + DP	32	Hex	16-DIP/QSOP

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