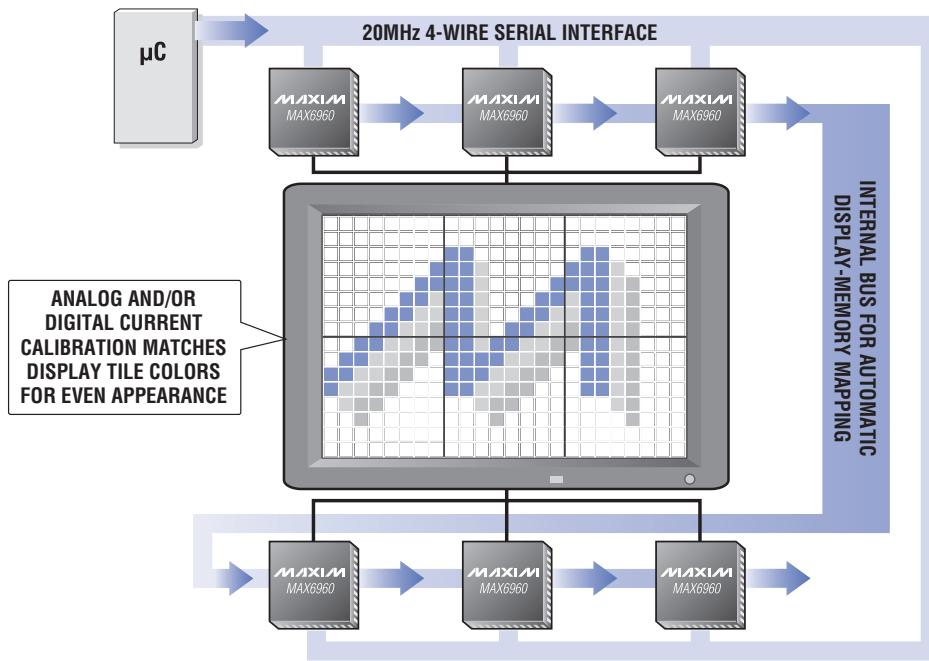


# DRIVE 8 x 8 LED TILES WITH 16 COLORS PER PIXEL AND UP TO 63 FRAMES PER SECOND

## Drivers Appear as Contiguous Display RAM, Simplifying Picture Control

The MAX6960–MAX6963 are compact, dot matrix, LED drivers that interface to one bicolor tile or two monochrome 8 x 8 LED tiles. The 20MHz SPI™-compatible interface connects up to 256 drivers serially with display memory mapping automatically shared and allocated among the drivers. On power-up, the devices synchronize themselves and allocate memory addresses to suit the display architecture. The devices feature open and short-circuit LED detection, and provide both analog and 256-step digital calibration so 8 x 8 displays from different batches can be compensated and color matched.



- ◆ Four Memory Planes for Automated Animation
- ◆ 20MHz 4-Wire Interface
- ◆ 20mA or 40mA Peak Pixel Current
- ◆ Slew-Rate-Limited Drivers Reduce EMI
- ◆ 7mm x 7mm TQFN Allows 2W Dissipation

Part	No. of LEDs	No. of Monochrome Tiles	No. of Bicolor Tiles	Intensity Level(s) per Color	Global Intensity Levels	Package
MAX6960/MAX6961	128	2	1	4/1	256	44-TQFN/MQFP
MAX6962/MAX6963	128	2	—	4/1	256	44-TQFN/MQFP

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