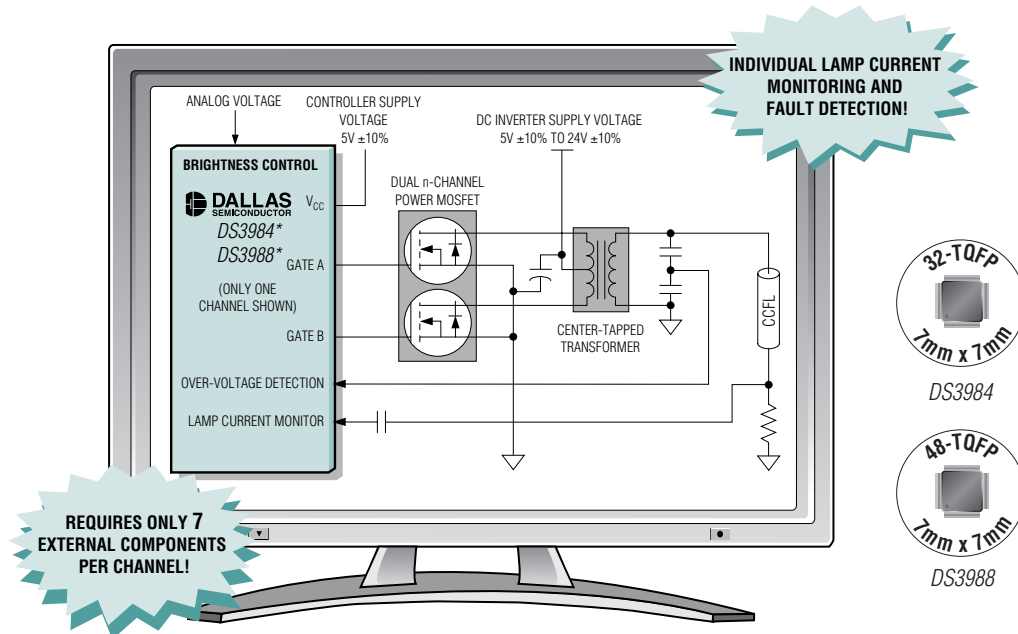


WORLD'S FIRST 4- AND 8-CHANNEL CCFL CONTROLLERS

Low Component Count Reduces Inverter Cost and Complexity for LCD TVs and Monitors



Highly Integrated Solution

- ◆ High-Density CCFL Controllers for Multiple-Lamp LCD TV and PC Monitor Backlights
- ◆ 4 Channels (DS3984) or 8 Channels (DS3988)
- ◆ Easily Cascadable to Support More than Four/Eight Lamps

Improve Quality, Reliability, and Safety

- ◆ Individual Lamp Control Ensures Equal Lamp Brightness
- ◆ Per-Channel Lamp Fault Monitoring for Open, Short, Failure-to-Strike, and Overvoltage Conditions
- ◆ Highly Sinusoidal Inverter Output with Low DC-Offset for Maximized Efficiency and Lamp Life

Highly Programmable and Flexible

- ◆ Independent Onboard Oscillators ($\pm 5\%$ Accuracy) for Lamp (40kHz to 80kHz) and Dimming (22.5Hz to 440Hz) Frequencies
- ◆ Can be Synchronized to External Clocks for Lamp and Dimming Frequencies to Reduce Display Artifacts
- ◆ Programmable Soft-Start Minimizes Audible Transformer Noise
- ◆ 2-Wire Serial Port and On-Board EEPROM Allow Device Customization
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*Future product—contact factory for availability.



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