

**Product
Summary
Sheet**

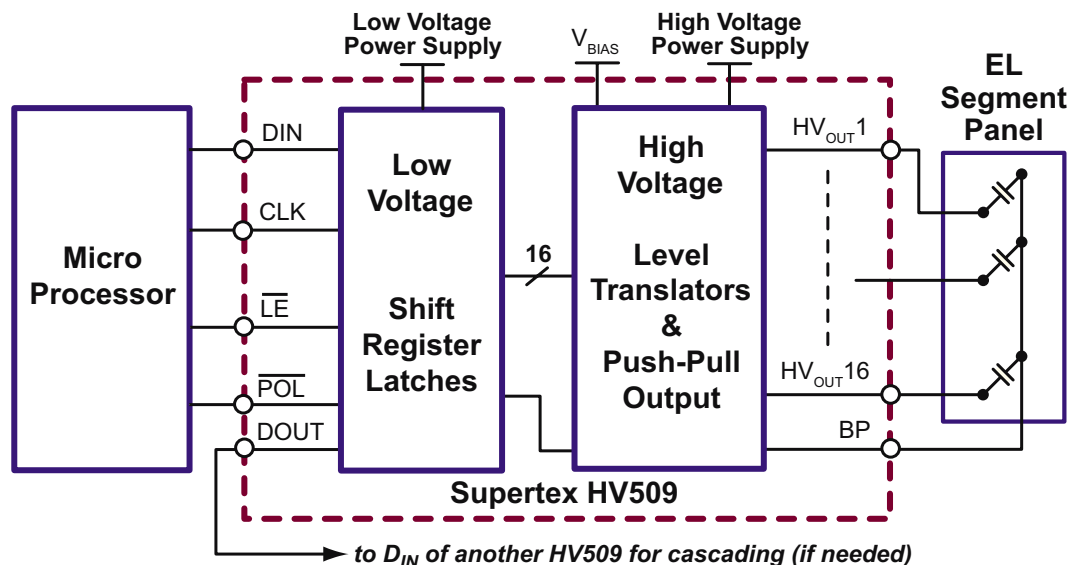
**16-Channel Serial to Parallel Converter
with High Voltage Backplane Driver
and Push-Pull Outputs**

Applications:

- ▶ Multiple segment EL display
- ▶ Piezoelectric transducer driver
- ▶ Braille driver



32-Lead QFN



Block Diagram

Product Overview:

The HV509 is a 200V, 16-channel serial to parallel converter. The high voltage outputs and the backplane driver are designed to source and sink ±1.0mA.

The high voltage outputs are controlled by a 16-bit serial shift register, followed by a 16-bit latch. Data is shifted through the shift registers during the low to high clock transition. A data output buffer is provided for cascading multiple devices. Data is transferred to the 16-bit latch when a logic level high is applied to the \overline{LE} input. Output states are controlled by the data in the latch, and by the \overline{POL} pin.

Features:	Benefits:
Up to 200V output voltage	Wide application range
16 high voltage outputs	Can drive 16 segments, fewer external components
500kHz shift register speed	Fast refresh rate



122210

16-Channel Serial to Parallel Converter with High Voltage Backplane Driver and Push-Pull Outputs

Ordering Information / Availability

<u>Part Number</u>	<u>Package Option</u>	<u>Samples</u>	<u>Lead Time</u>
HV509K6-G	32-Lead QFN (Green)	Now	4-5 Weeks

-G indicates the part is RoHS compliant (Green).



Product Contact

For any questions regarding the HV509, please contact your local area Supertex sales office, or contact the main office in the US at:

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