

# Product Summary Sheet

HV528

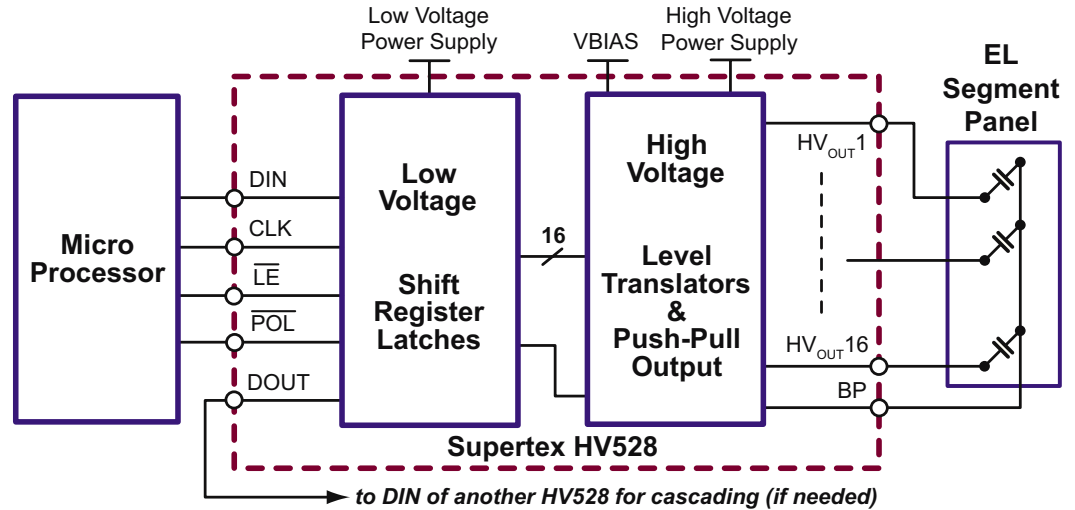
## 16-Channel Serial to Parallel Converter with High Voltage Backplane Driver and Push-Pull Outputs

### Applications:

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



32-Lead QFN



Block Diagram

### Product Overview:

The HV528 is a 200V, 16-channel serial to parallel converter. The high voltage outputs and the backplane drivers are designed to source and sink  $\pm 1.0\text{mA}$ .

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  $\overline{\text{LE}}$  input. Output states are controlled by the data in the latch, and by the  $\overline{\text{POL}}$  pin.

Features:	Benefits:
Up to 200V output voltage	Wide application range
16 high voltage outputs	Can drive 16 segments with fewer external components
500kHz shift register speed	Fast refresh rate
1.7 to 5.5V $V_{\text{DD}}$ supply voltage (HV528)	Wide input voltage range



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### Ordering Information / Availability

<u>Part Number</u>	<u>Package Option</u>	<u>Samples</u>	<u>Lead Time</u>
HV528K6-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 or the HV528, please contact your local area Supertex sales office, or contact the main office in the US at:

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