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## VFD Driver/Controller IC

## PT6355

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### DESCRIPTION

PT6355 is a Vacuum Fluorescent Display Controller driven 5/16, 6/16, 14/16 and 15/16 duty factors. Eight to Eighteen Segment Output Lines, Seven to Ten Grid Output Lines, Ten Segment/Grid Output Drive Lines, 8-bit x 6-channel A-D Converter, Built-in Noise Filter are all incorporated into a single chip to build a highly reliable peripheral device for a single chip micro-computer. PT6355 also provides 4 serial interfaces via the CS, SIN, SOUT, SCLK Pins. Housed in 44-pin, LQFP Package, PT6355's pin assignment and application circuit are optimized for easy PCB layout and cost saving benefits.

### FEATURES

- CMOS Technology
- Internal Pull-Low Resistor
- 4-Step Dimming Circuitry
- 8 to 18 Segment Outputs
- 7 to 10 Grid Outputs
- Built-in Noise Filter in Serial Clock and Serial Input Pins with 2MHz sampling
- 8-bit x 6 channels Analog-to-Digital Converter with  $\pm 3$ LSB Accuracy
- Available in 44-pin, LQFP Package

### APPLICATION

- Micro-Computer Peripheral Device





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## APPLICATION CIRCUIT

