



Description

PT6302 is a dot matrix VFD Driver/Controller IC utilizing CMOS Technology specially designed to display characters, numerics and symbols. PT6302 provides 35 dot matrix plus 2 additional segment drivers and 16 grid drivers. 248 types of character data (CGROM), 8 types of character data (CGRAM), 16 display digits x 2 bits symbol data, 16 display digits x 8 bits register for character data display and 2 general output bits for static operation are provided. Pin assignments and application circuit are optimized for easy PCB layout and cost saving advantages.

Features

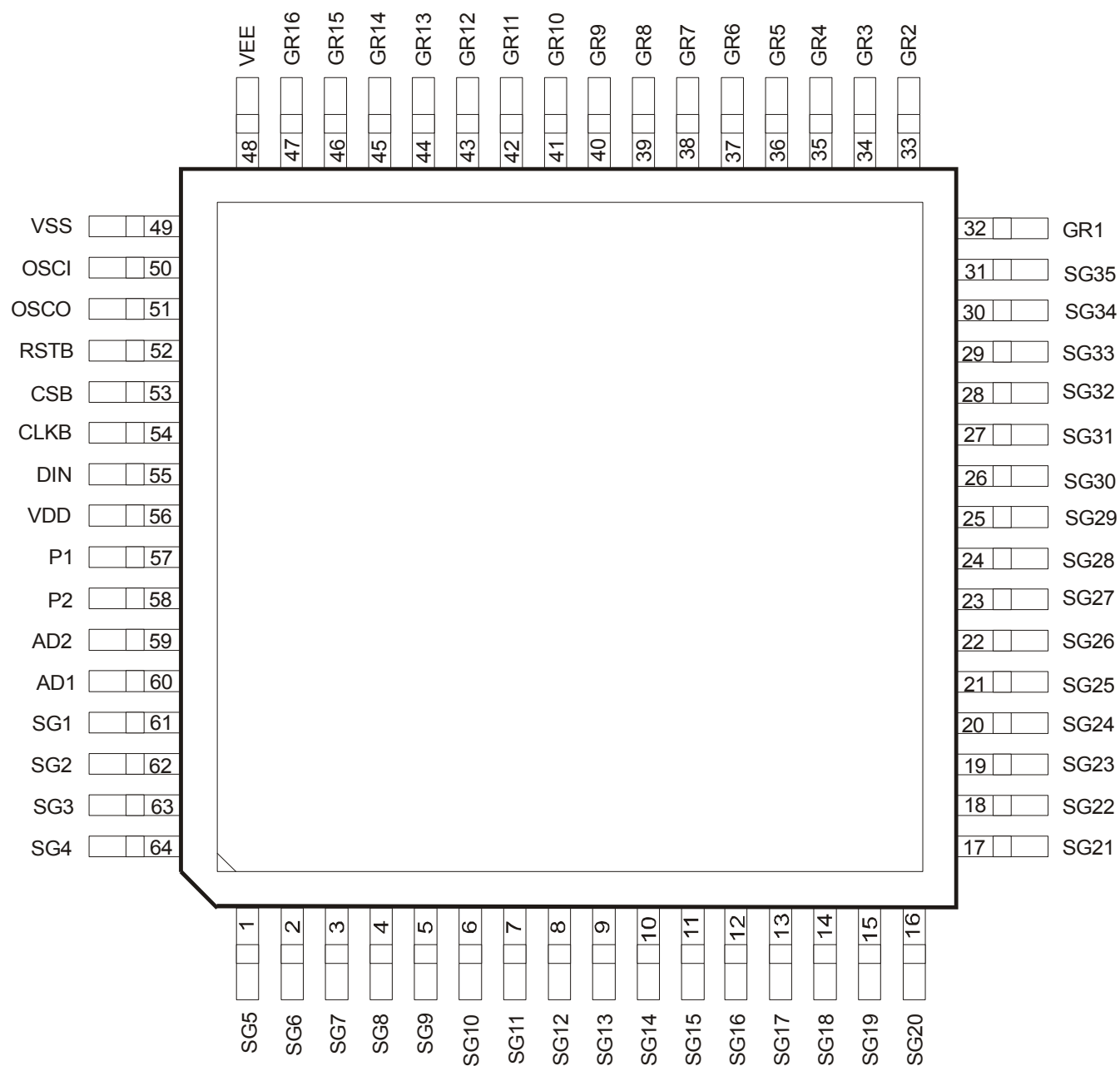
- CMOS Technology
- Logic Power Supply: $VDD = 3.3\text{ V} \pm 10\%$ or $5.0\text{ V} \pm 10\%$
- VFD Drive Power Supply: $VEE = -20\text{V}$ to -40V
- Built-in Oscillation Circuit (External RC)
- One-Byte Instruction Execution (not including Data Write to RAM)
- Microcontroller Interface
- Display Contents:
 - Character Generator ROM (CGROM): 5x7 Dots (248 Character Data Types)
 - Character Generator RAM (CGRAM): 5x7 Dots (8 Character Data Types)
 - Additional Data RAM (ADRAM): 16 Display Digits x 2 Bits (Symbol Data)
 - Data Control RAM (DCRAM): 16 Display Digits x 8 Bits (Character Data Display Register)
 - General Output Port: 2 Bits (Static Operation)
- Display Control Function:
 - Display Digits : 9 to 16 Digits
 - Display Duty (Contrast Adjustment) : 8 stages
 - All Display Lights : ON/OFF Mode
- Available in 64 pins, LQFP Package

Applications

- Microcontroller Peripheral Device
- Audio/Video Equipment



Pin Configuration



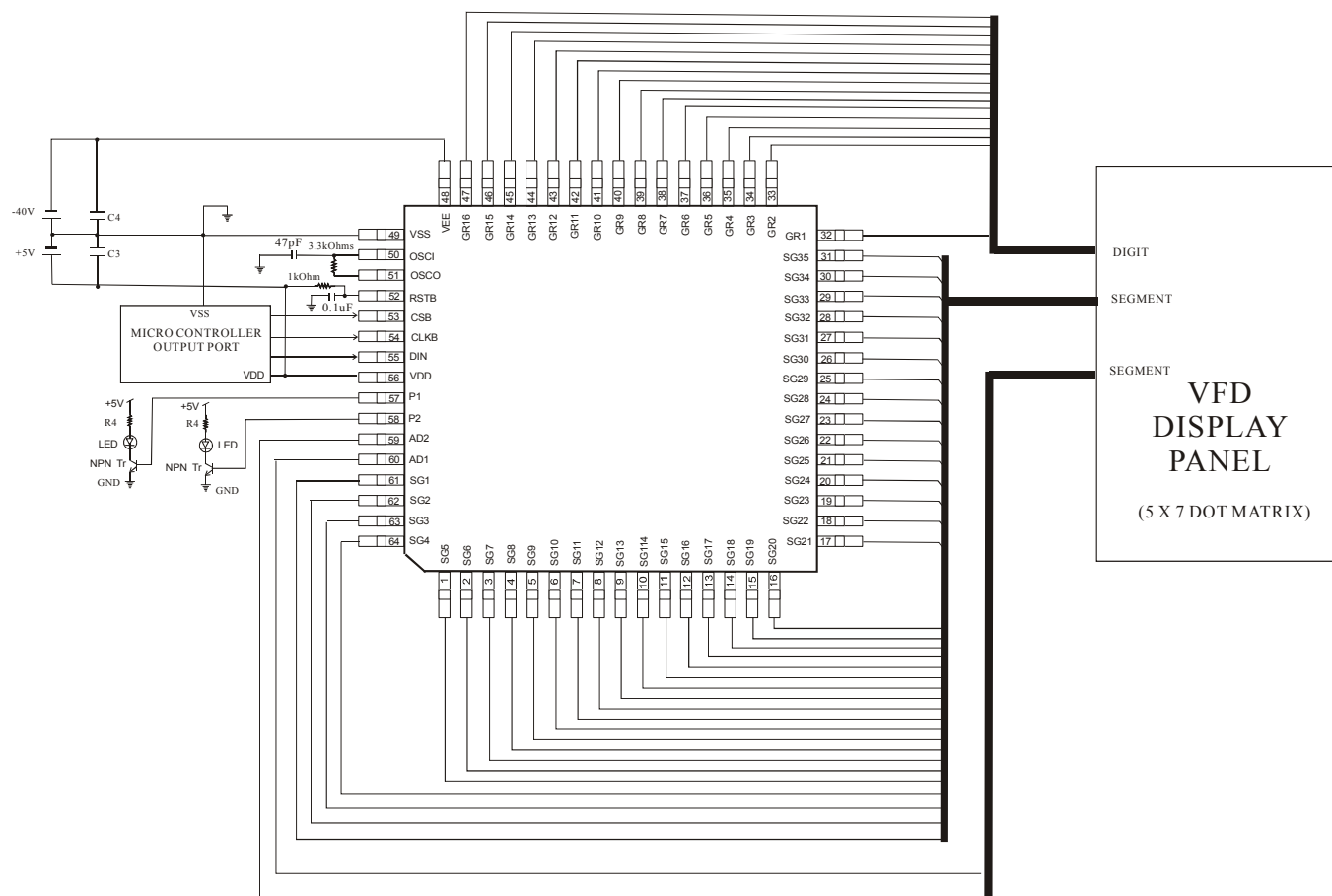


VFD Driver/Controller IC with Character RAM

Preliminary

PT6302

Application Circuit



Order Information

Valid Part Number	Package
PT6302	64 pins, QFP Package