

VFD CONTROLLER/DRIVER

GENERAL DESCRIPTION

The W66880CF is a VFD (Vacuum Fluorescent Display) controller/driver. It is pin-to-pin compatible with NEC uPD16312 and PTC6312 and can be programmed to drive a VFD with 4 grids by 16 segments to 8 grids by 14 segments. The W66880CF also includes a 24-key key scan circuit and four LED ports and four general purpose input ports. Data communication with the W66880CF is via a serial interface.

- High voltage output ($V_{DD} - V_{EE} = 30V \text{ max}$)
- Four 15 mA LED ports
- Four general-purpose input port
- Internal driver output pull-down resistors
- Only one external resistor is needed for the on chip oscillator
- Simple serial interface
- 44-pin PQFP

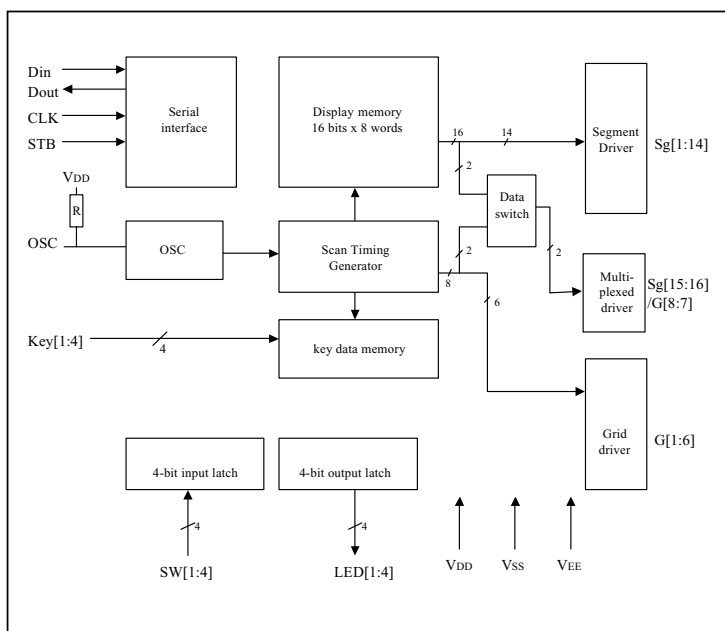
APPLICATIONS

FEATURES

- Flexible display modes (4 to 8 grids)
 - 4 grids $\times$ 16 segments to 8 grids $\times$ 14 segments
- 6 $\times$ 4 matrix key scanning
- 8 steps dimming circuit

- VFD display driving and panel function control
- Applicable to FUTABA Standardized VFD Panel for VCD Player (Part#: 6-BT-265GK and 6-BT-267GK, both 6 grids $\times$ 16 segments)

Functional Block



Pin Configuration

