

VFD CONTROLLER/DRIVER

GENERAL DESCRIPTION

The W66881CF is a VFD (Vacuum Fluorescent Display) controller/driver. It has two operation configurations: (1) 8×16 Configuration which replaces the W66880CF without the necessity of changing the original driver program for W66880CF, and (2) 8×20 Configuration which provides more segment drivers, and can be programmed to drive a VFD from 4 grids by 20 segments to 8 grids by 18 segments.

The W66881CF also includes a 24-key key scan circuit, four LED ports and four general purpose input ports. Data communication with the W66881CF is via a serial interface.

FEATURES

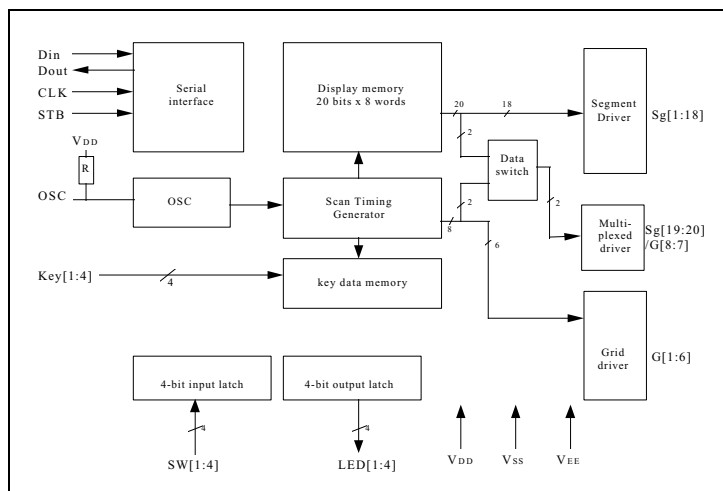
- Flexible display modes (4 to 8 grids)
 - 4 grids × 20 segments to 8 grids × 18 segments
- 6 × 4 matrix key scanning

- 8 steps dimming circuit
- High voltage output ($V_{DD} - V_{EE} = 30V$ 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
- Driver program compatible with W66880CF's (8x16 only)
- 48-pin PQFP

APPLICATIONS

- VFD display driving and panel function control
- Applicable to FUTABA Standardized VFD Panel
 - Part#: 6-BT-265GK and 6-BT-267GK, both 6 grids × 16 segments, for VCD Player
 - Part#: 25u48109BAN, 6 grids × 19 segments, for DVD Player

Functional Block (8x20 configuration)



Pin Configuration

