General Description

The ET16315 is a VFD (FIP) controller/driver that is driven on a 1/4 to 1/12 duty factor. It consists of 16 segment output lines, 4 grid output lines, 8 segment/grid output drive lines, a display memory, a control circuit, and a key scan circuit. Serial data is input to the ET16315 through a three-line serial interface. This VFD controller/driver is ideal as a peripheral device for a single-chip microcomputer.

Features

- Multiple display modes (16 segment & 12 digit to 24 segment & 4 digit)
- Key scanning (16×2 matrix)
- Dimming circuit (eight steps)
- High-voltage output(VDD-35V Max)
- LED ports(4 chs.,20mA Max)
- No external resistors necessary for driver outputs(P -ch open-drain+pull-down resistor output)
- Serial interface(CLK,STB,DIN,DOUT)
- Package :LQFP44(ET16315), QFP44(ET16315Q)

Pin Configuration