

## DESCRIPTION

The PT16588 is a controller/driver with 1/8 and 1/15 duty dot matrix LCD display capability. It has 60 segment outputs, 10 common outputs, and 5 dual segment/common outputs, giving a maximum display capability of 12 columns x 2 lines (at 1/15 duty).

LED drive outputs, key scanning key source outputs, and key data inputs are also provided, making it ideal for use in a car stereo front panel, etc.

## FEATURES

- Dot matrix LCD controller/driver
- Pictograph display segment drive capability (MAX. 64)
- LCD driver unit power supply VLCD independently settable (MAX. 10 V)
- On-chip key scan circuit (8 x 4 matrix)
- Alphanumeric character and symbol display capability provided by on-chip ROM (5 x 7 dots)
- 240 characters + 16 user-defined characters
- Display contents
  - 1/8 duty: 13 columns x 1 line, 64 pictograph displays, 4 LEDs
  - 1/15 duty: 12 columns x 2 lines, 60 pictograph displays, 4 LEDs
- Serial data input/output (SCK, /STB, DATA)
- On-chip oscillator
- Reduced power consumption possible using standby mode

## BLOCK DIAGRAM

