



DESCRIPTION

The PT6552 is ½ duty dynamic LCD display driver. In addition to being able to directly Drive LCD panels with up to 90 segments, it can also control up to 4 general purpose output ports. This product also includes a key scan circuit that allows it to accept input from keypads with up to 30 keys. This allows the end product front panel wiring to be simplified.

FEATURES

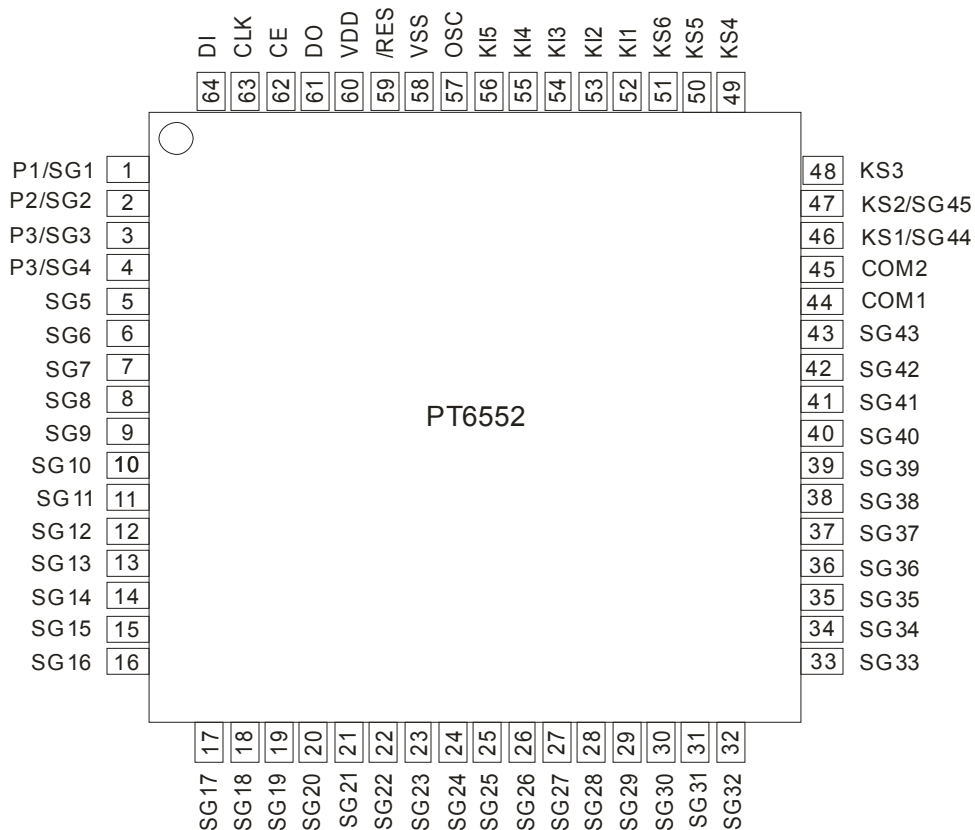
- Up to 4 general purpose output ports
- Up to 90 segments outputs
- Up to 30 key inputs (Key scan is only performed when a key is pressed)
- ½ duty - ½ bias (up to 90 segments)
- Serial data control sleep mode and the all segments off function
- Serial data controlled segment output port/general-purpose output port usage
- Serial data I/O supports CCB format communication with the system controller
- High generality since display data is displayed directly without decoder intervention
- Reset pin that can establish the initial state
- Available in 64 pin QFP and 64 pin LQFP package

APPLICATIONS

- Cellular phone
- Data bank, organizer
- Electronic dictionary/translator
- P.D.A.
- P.O.S.
- Information appliance
- Caller ID
- Pager
- Electronic equipment with LCD display

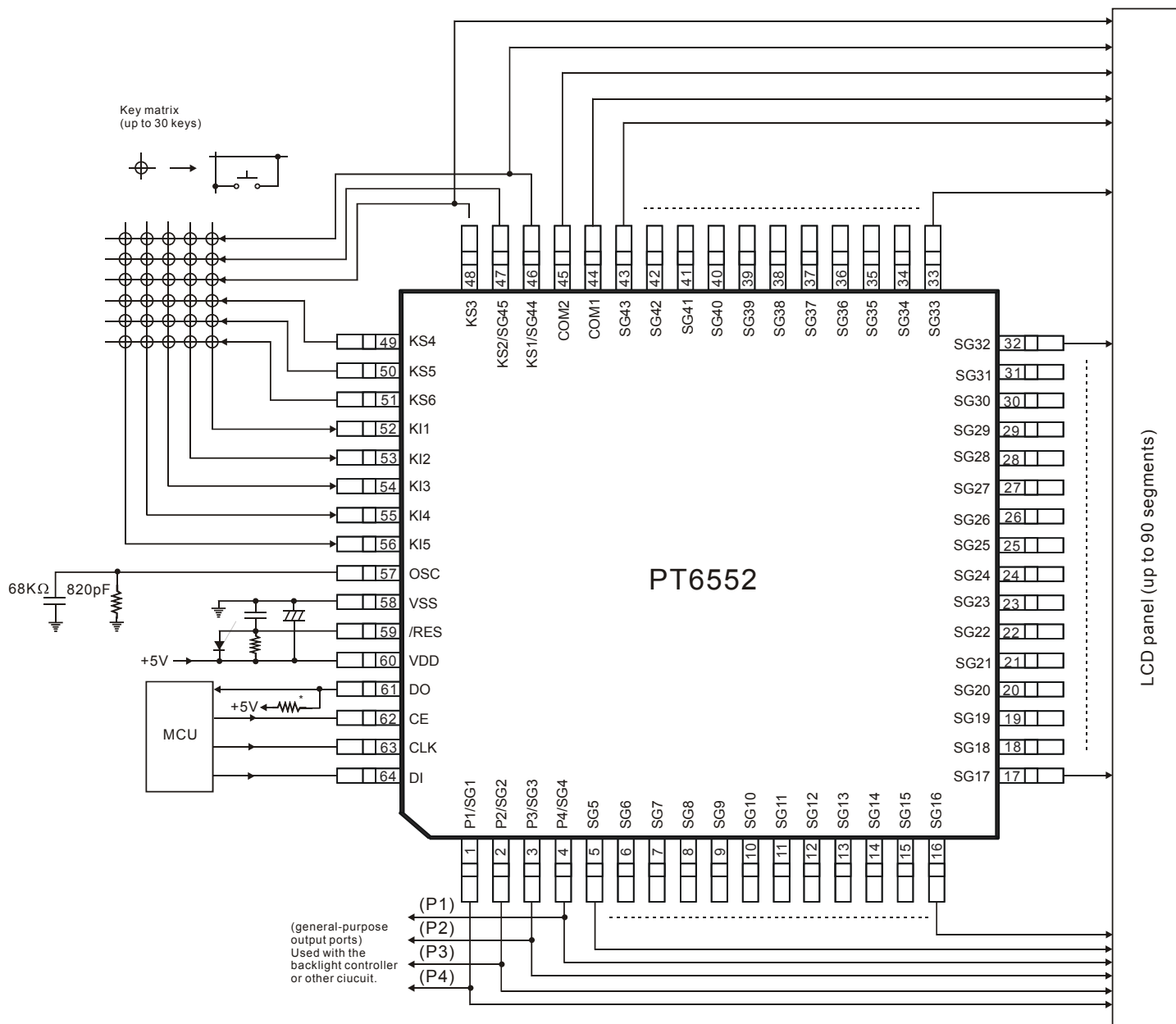


PIN CONFIGURATIONS





APPLICATION CIRCUIT



Note:

* Since DO is an open-drain output, a pull-up resistor is required. Select a value (between 1k and 10kΩ) that is appropriate for the capacitance of the external wiring so that the waveforms are not distorted.



ORDER INFORMATION

Valid Part Number	Package Type	Top Code
PT6552	64 Pin, QFP	PT6552
PT6552LQ	64 Pin, LQFP	PT6552LQ
PT6552 (L)	64 Pin, QFP	PT6552
PT6552LQ (L)	64 Pin, LQFP	PT6552LQ

Notes:

1. (L), (C) or (S) = Lead Free.
2. The Lead Free mark is put in front of the data code.