



## LCD Driver IC

PT6574

## DESCRIPTION

PT6574 is a 1/4 -duty general purpose LCD Driver IC utilizing CMOS Technology. It can drive up to 264 segments and control up to 8 general purpose output ports. The LCD drive block voltage range is from 2.7V to 6.0V and is independent of the logic block power supply voltage. Under a serial data interface, PT6574 can support 1/4 duty, 1/2 bias or 1/4 duty, 1/3 bias drive techniques. Display data is displayed directly without the need for a decoder circuit. Pin assignments and application circuit are optimized for easy PCB Layout and cost saving advantages.

## FEATURES

- CMOS Technology
- RC Oscillator Circuit
- Up to 264 Segments
- Supports 1/4 Duty, 1/2 Bias Drive or 1/4 Duty 1/3 Bias Drive Techniques (Serial Data Control)
- RC Oscillation Circuit

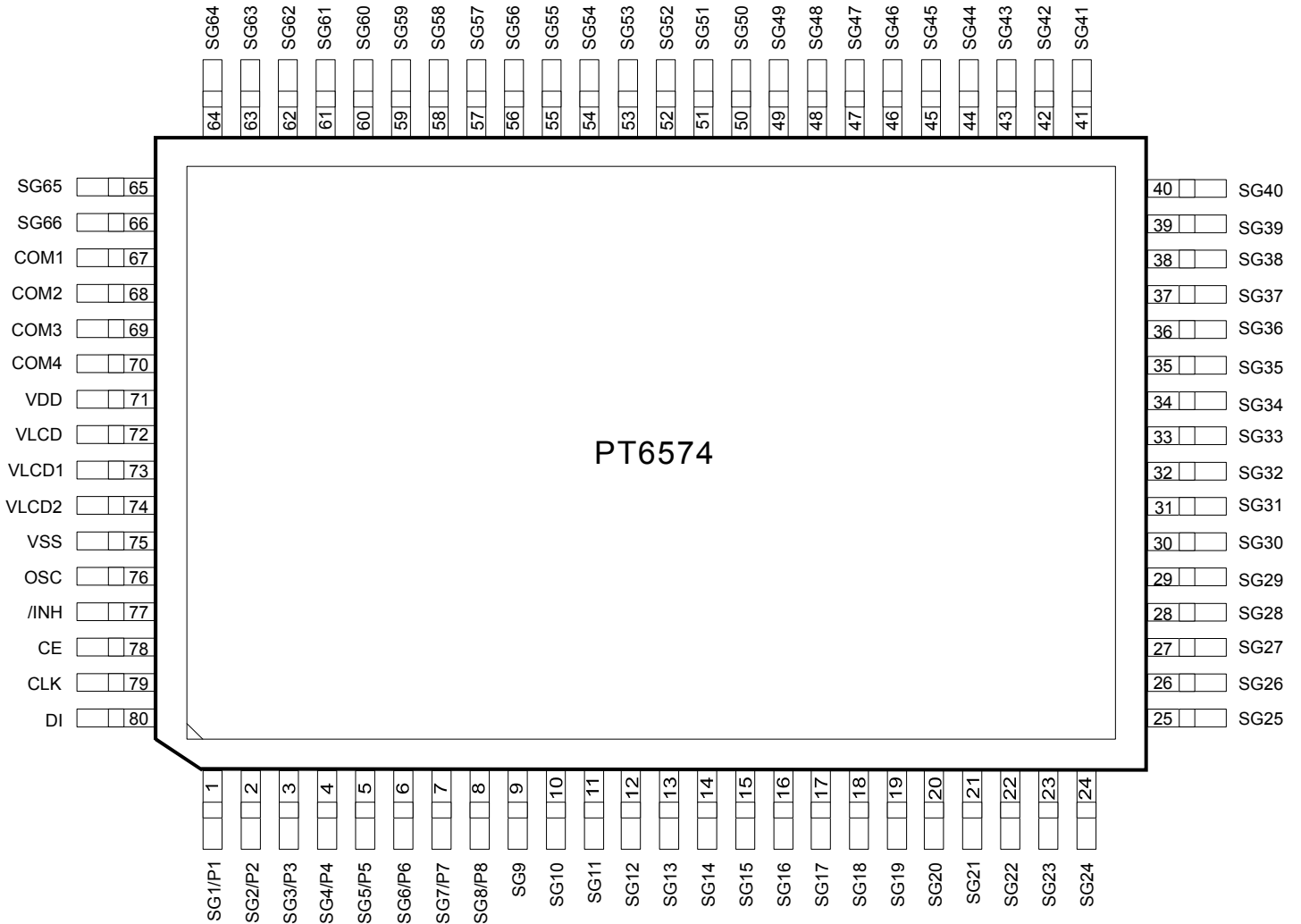
## APPLICATIONS

- Cellular Phone
- Data Bank/Organizer
- Electronic Dictionary/Translator
- P.O.S.
- Information Appliance
- Caller ID
- Pager
- Electronic equipment with LCD Display Panel



# PIN CONFIGURATION

## 80PINS, QFP

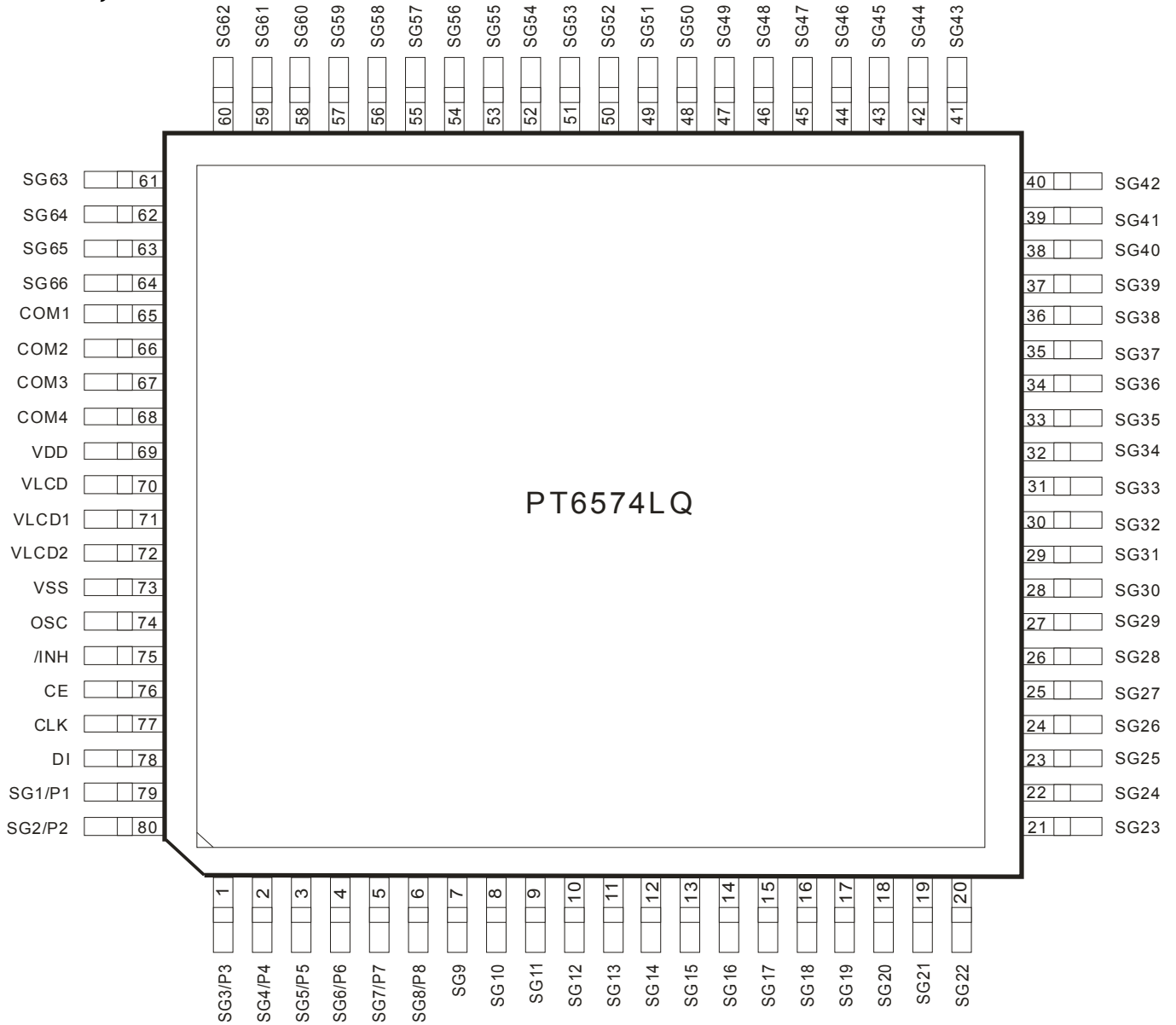




LCD Driver IC

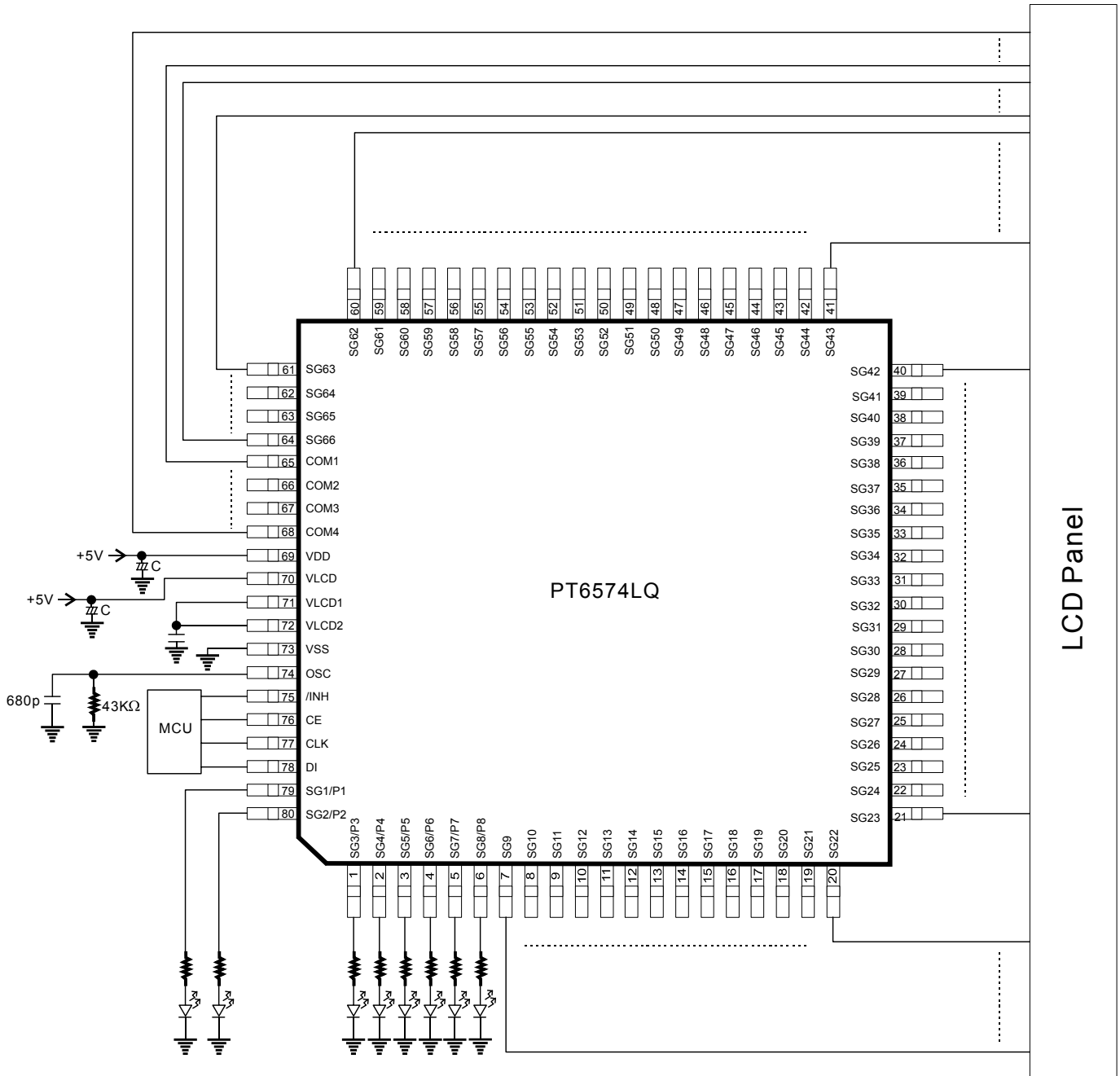
PT6574

80PINS, LQFP





# 1/2 BIAS APPLICATION CIRCUIT (FOR NORMAL LCD PANELS)



Notes:

1.  $C \geq 0.047\mu F$
2. Recommended Capacitor Value: Range:  $220 < C_{osc} < 2200pF$





## ORDER INFORMATION

Valid Part Number	Package Type	Top Code
PT6574	80 Pins, QFP	PT6574
PT6574LQ	80 Pins, LQFP	PT6574LQ
PT6574 (L)	80 Pin, QFP	PT6574
PT6574LQ (L)	80 Pin, LQFP	PT6574LQ

Note:

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

