

DESCRIPTION

PT16527 is a General Purpose LCD Driver IC utilizing CMOS Technology specially designed for electronic tuners controlled by microcontroller. It can drive up to a maximum of 204 segment outputs and can control up to 12 general purpose output ports. Pin assignments and application circuit are optimized for easy PCB layout and cost saving advantages.

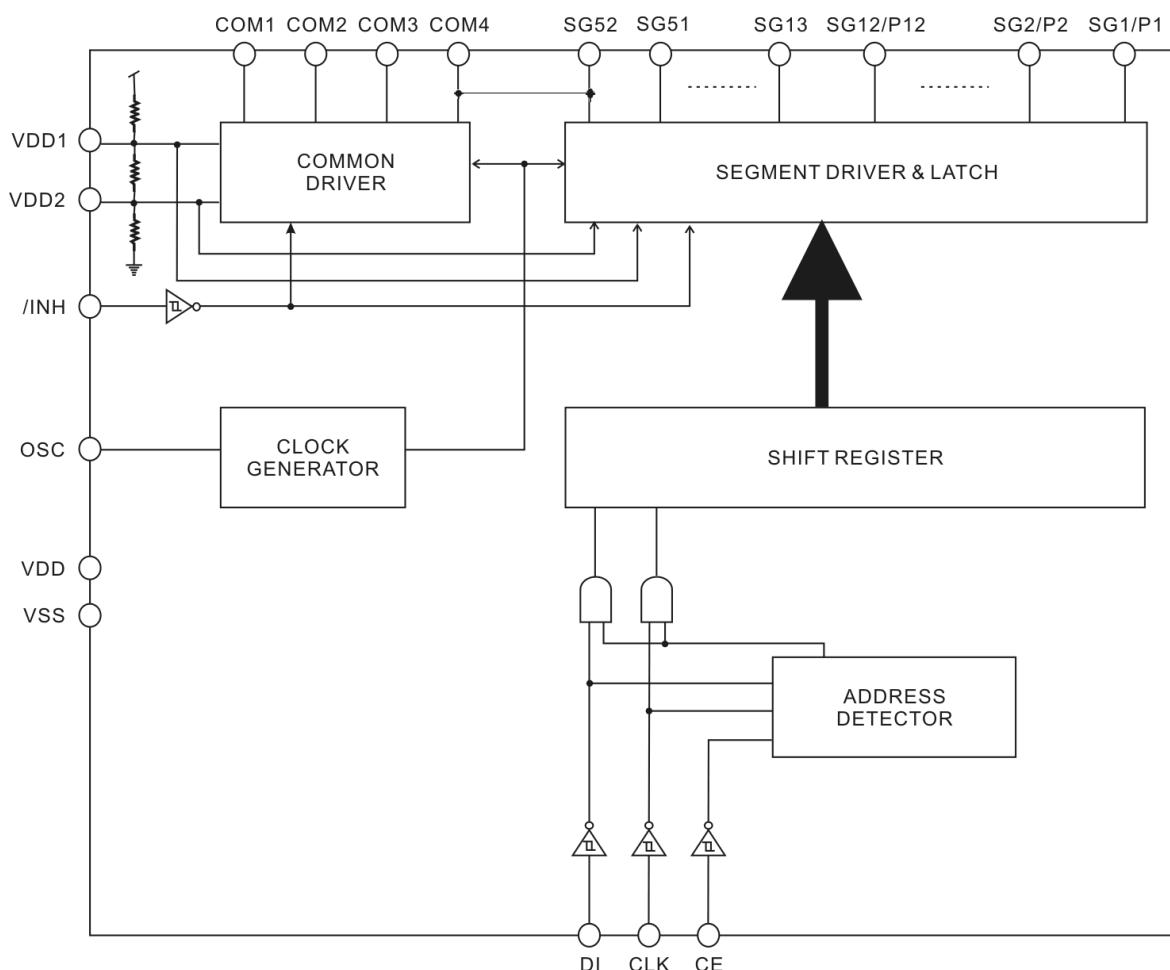
APPLICATION

- Electronic Dictionary / Translator
- P.O.S.
- Caller ID
- Pager
- Mini Compo
- Electronic Equipment with LCD Display

FEATURES

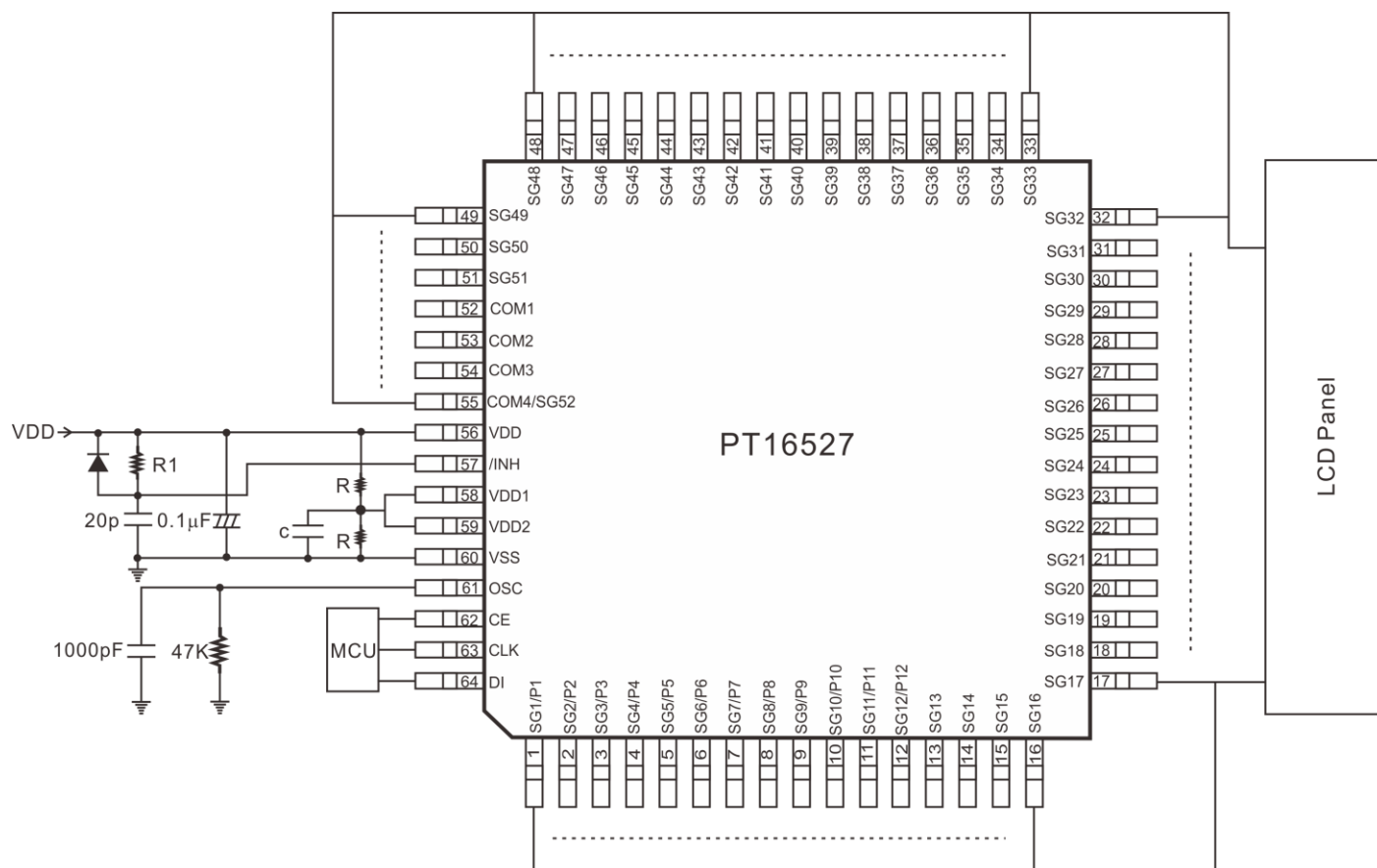
- Up to 204 Segments Outputs
- 1/3 duty and 1/4 duty drive schemes can be controlled from serial data.
- 1/2 bias and 1/3 bias drive schemes can be controlled from serial data.
- Power Saving Mode and all Segments OFF Function
- Direct Display of Display Data without using a Decoder
- RC Oscillation Circuit
- Power Supply Voltage: 3.3 to 6V
- CMOS/TTL compatible logic input pins
- LCD Drive Bias Voltage can be provided internally or externally
- AEC-Q100 Grade 2 Compliant for Automotive Applications
- Available in 64 pins LQFP

BLOCK DIAGRAM



APPLICATION CIRCUITS

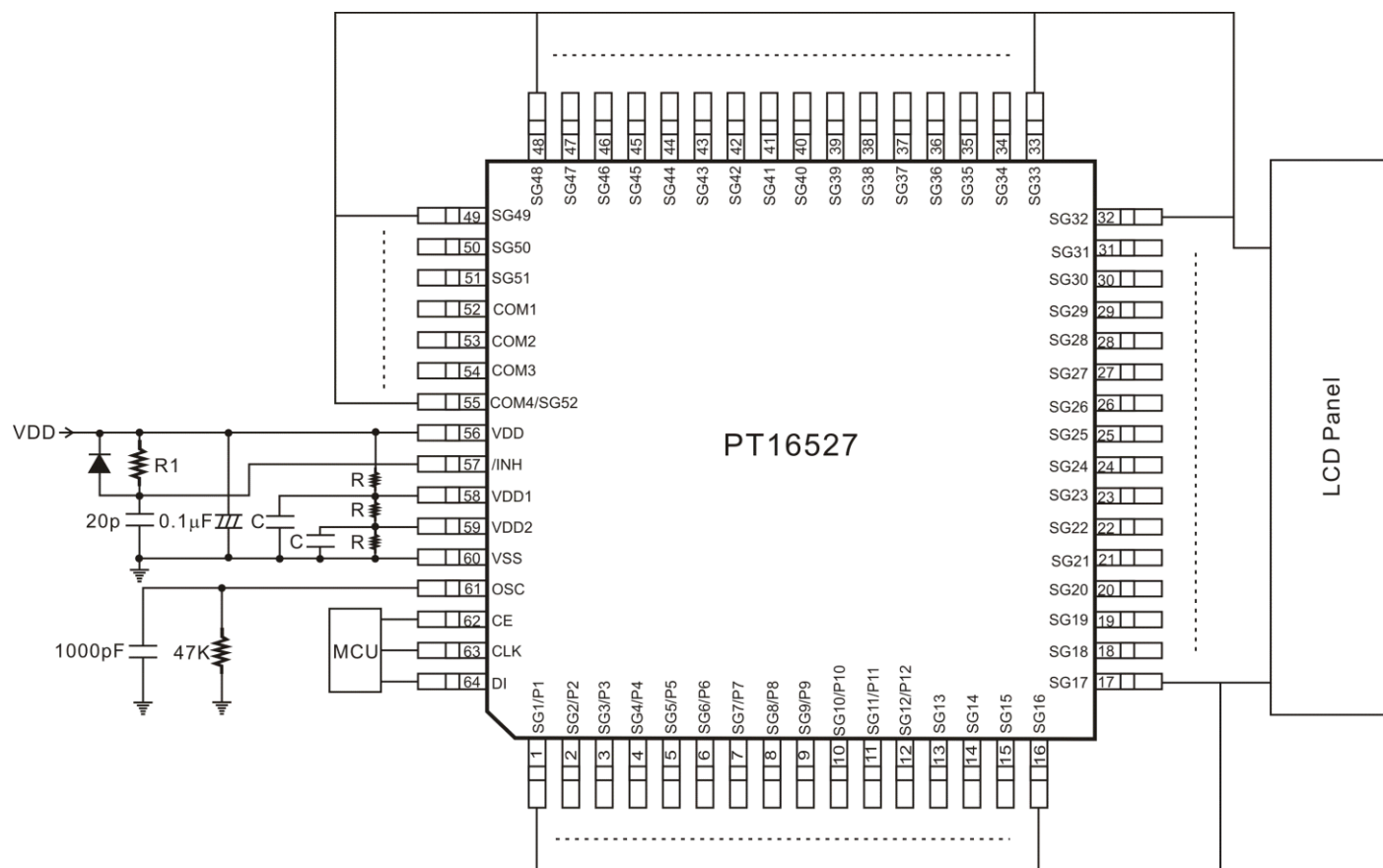
1/2 BIAS



Notes:

1. $39K\Omega \geq R1 \geq 10K\Omega$
2. $C \geq 0.047\mu F$
3. $10K\Omega \geq R \geq 1K\Omega$

1/3 BIAS



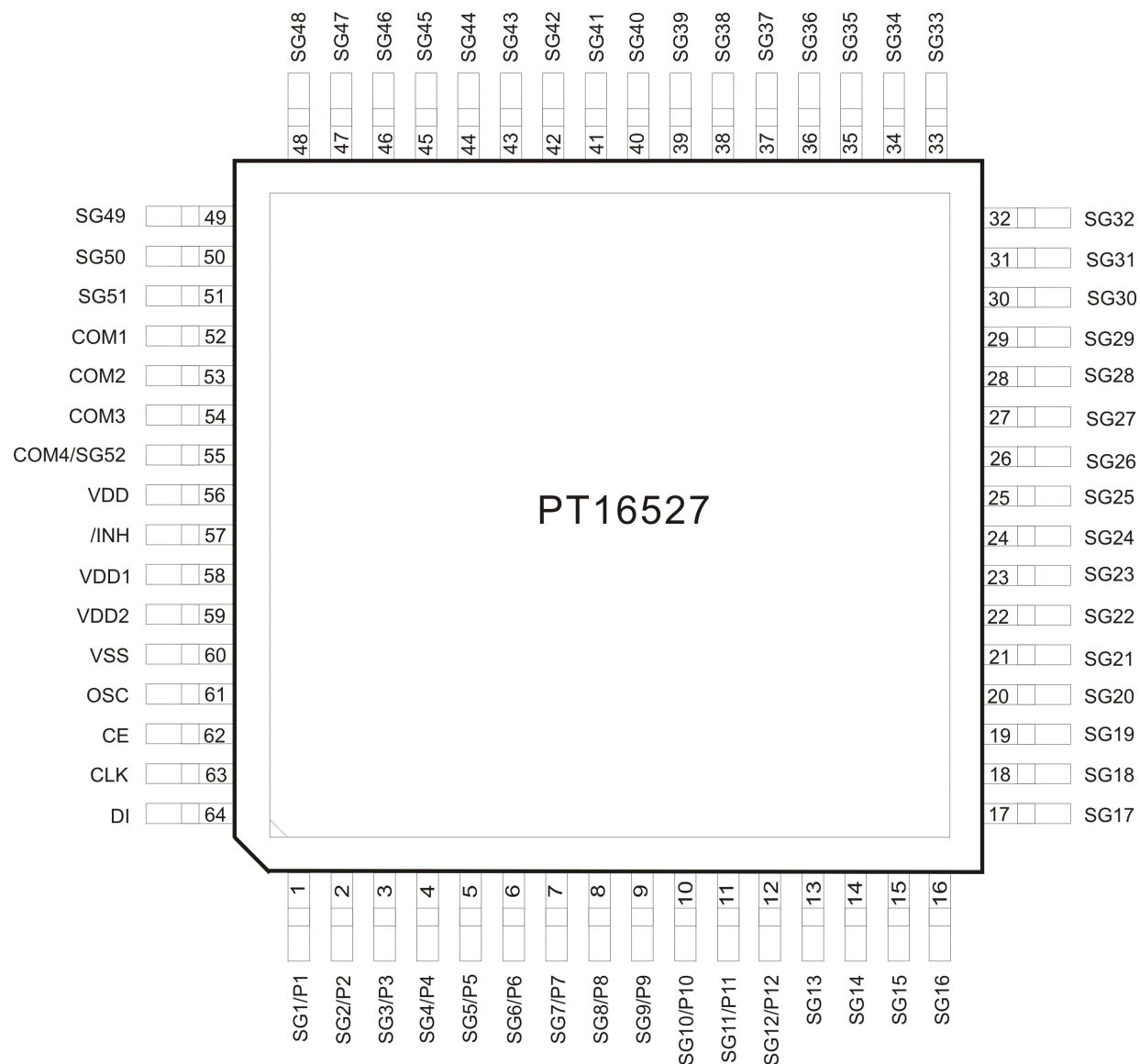
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ORDER INFORMATION

Valid Part Number	Package Type	Top Code
PT16527-LQ	64-Pin, LQFP	PT16527-LQ

PIN CONFIGURATION



IMPORTANT NOTICE

Princeton Technology Corporation (PTC) reserves the right to make corrections, modifications, enhancements, improvements, and other changes to its products and to discontinue any product without notice at any time.

PTC cannot assume responsibility for use of any circuitry other than circuitry entirely embodied in a PTC product. No circuit patent licenses are implied.

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