



## Table of Contents

|   |   |  |   |
|---|---|--|---|
| 1 特性.....   | 1 | 5.10 Operating Characteristics.....                    | 6 |
| 2 说明.....   | 1 | 6 Parameter Measurement Information.....               | 7 |
| 3 Revision History.....   | 2 | 7 Detailed Description.....                            | 8 |
| 4 Pin Configuration and Functions.....  | 3 | 7.1 Overview.....                                      | 8 |
| 5 Specifications.....   | 4 | 7.2 Functional Block Diagram.....                      | 8 |
| 5.1 Absolute Maximum Ratings.....   | 4 | 7.3 Device Functional Modes.....                       | 8 |
| 5.2 ESD Ratings.....  | 4 | 8 Device and Documentation Support.....                | 9 |
| 5.3 Recommended Operating Conditions.....                                     | 4 | 8.1 Documentation Support (Analog).....                | 9 |
| 5.4 Thermal Information.....  | 5 | 8.2 接收文档更新通知.....                                      | 9 |
| 5.5 Electrical Characteristics.....   | 5 | 8.3 支持资源.....  | 9 |
| 5.6 Switching Characteristics, $V_{CC} = 2.5\text{ V} \pm 0.2\text{ V}$ ..... | 5 | 8.4 Trademarks.....                                    | 9 |
| 5.7 Switching Characteristics, $V_{CC} = 3.3\text{ V} \pm 0.3\text{ V}$ ..... | 6 | 8.5 静电放电警告.....  | 9 |
| 5.8 Switching Characteristics, $V_{CC} = 5\text{ V} \pm 0.5\text{ V}$ .....   | 6 | 8.6 术语表.....   | 9 |
| 5.9 Noise Characteristics.....  | 6 | 9 Mechanical, Packaging, and Orderable Information.... | 9 |

## 3 Revision History

### Changes from Revision C (April 2008) to Revision D (August 2023)

Page

- |   |   |
|---|---|
| • 添加了封装信息表、引脚功能表、ESD 等级表、热信息表、器件功能模式、器件和文档支持部分以及机械、封装和可订购信息部分 ..... | 1 |
|---|---|

## 4 Pin Configuration and Functions

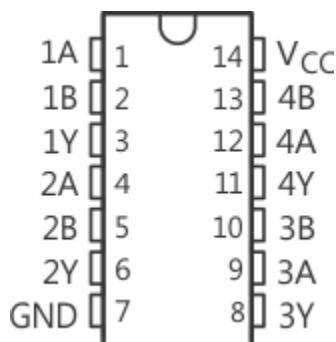


图 4-1. PW Package,  
14-Pin TSSOP  
(Top View)

| PIN<br>NO. | NAME            | TYPE <sup>(1)</sup> | DESCRIPTION     |
|------------|-----------------|---------------------|-----------------|
| 1          | 1A              | I                   | 1A input        |
| 2          | 1B              | I                   | 1B              |
| 3          | 1Y              | O                   | 1Y              |
| 4          | 2A              | I                   | 2A              |
| 5          | 2B              | I                   | 2B              |
| 6          | 2Y              | O                   | 2Y              |
| 7          | GND             | —                   | GND             |
| 8          | 3Y              | O                   | 3Y              |
| 9          | 3A              | I                   | 3A              |
| 10         | 3B              | I                   | 3B              |
| 11         | 4Y              | O                   | 4Y              |
| 12         | 4A              | I                   | 4A              |
| 13         | 4B              | I                   | 4B              |
| 14         | V <sub>CC</sub> | —                   | V <sub>CC</sub> |

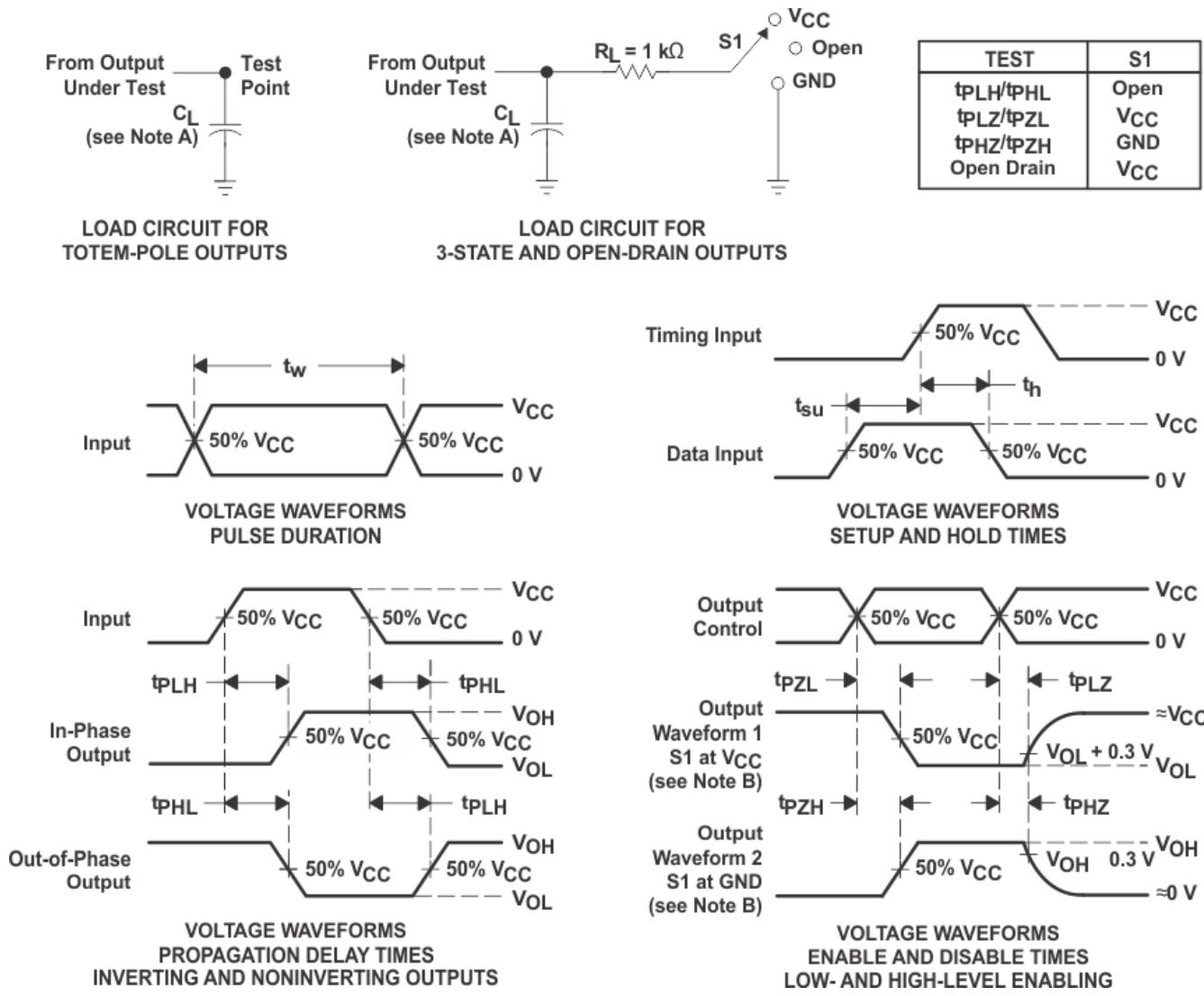
(1) Signal Types: I = Input, O = Output, I/O = Input or Output







## 6 Parameter Measurement Information



- A. C<sub>L</sub> includes probe and jig capacitance.
- B. Waveform 1 is for an output with internal conditions such that the output is low, except when disabled by the output control. Waveform 2 is for an output with internal conditions such that the output is high, except when disabled by the output control.
- C. All input pulses are supplied by generators having the following characteristics: PRR ≤ 1 MHz, Z<sub>O</sub> = 50 Ω, t<sub>r</sub> ≤ 3 ns, t<sub>f</sub> ≤ 3 ns.
- D. The outputs are measured one at a time, with one input transition per measurement.
- E. t<sub>PLZ</sub> and t<sub>PHZ</sub> are the same as t<sub>dis</sub>.
- F. t<sub>PZL</sub> and t<sub>PZH</sub> are the same as t<sub>en</sub>.
- G. t<sub>PHL</sub> and t<sub>PLH</sub> are the same as t<sub>pd</sub>.
- H. All parameters and waveforms are not applicable to all devices.

图 6-1. Load Circuit and Voltage Waveforms







- Catalog : [SN74LV86A](#)
- Enhanced Product : [SN74LV86A-EP](#)

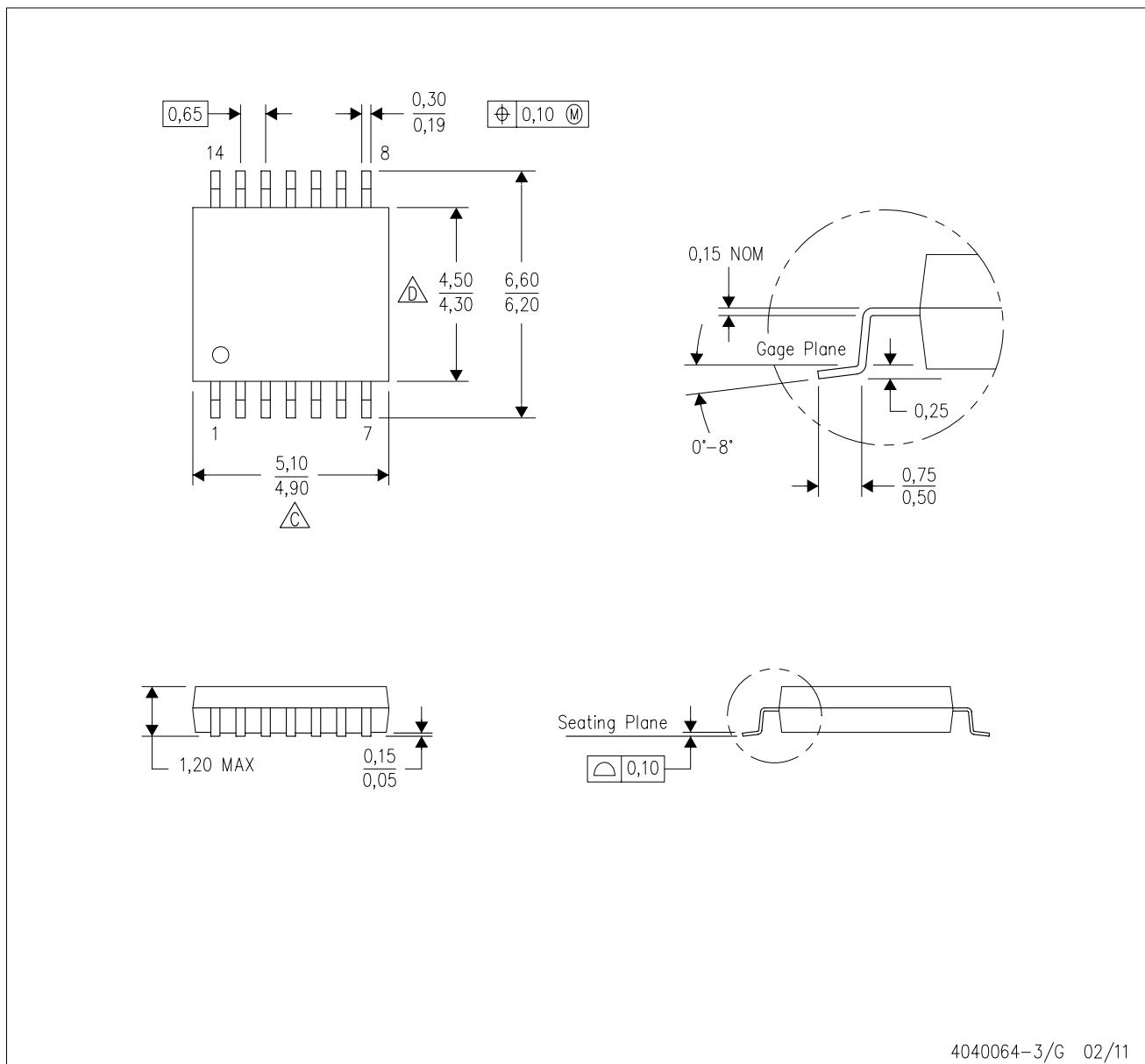
NOTE: Qualified Version Definitions:

- Catalog - TI's standard catalog product
- Enhanced Product - Supports Defense, Aerospace and Medical Applications

## MECHANICAL DATA

PW (R-PDSO-G14)

PLASTIC SMALL OUTLINE



4040064-3/G 02/11

NOTES: A. All linear dimensions are in millimeters. Dimensioning and tolerancing per ASME Y14.5M-1994.

B. This drawing is subject to change without notice.

C. Body length does not include mold flash, protrusions, or gate burrs. Mold flash, protrusions, or gate burrs shall not exceed 0,15 each side.

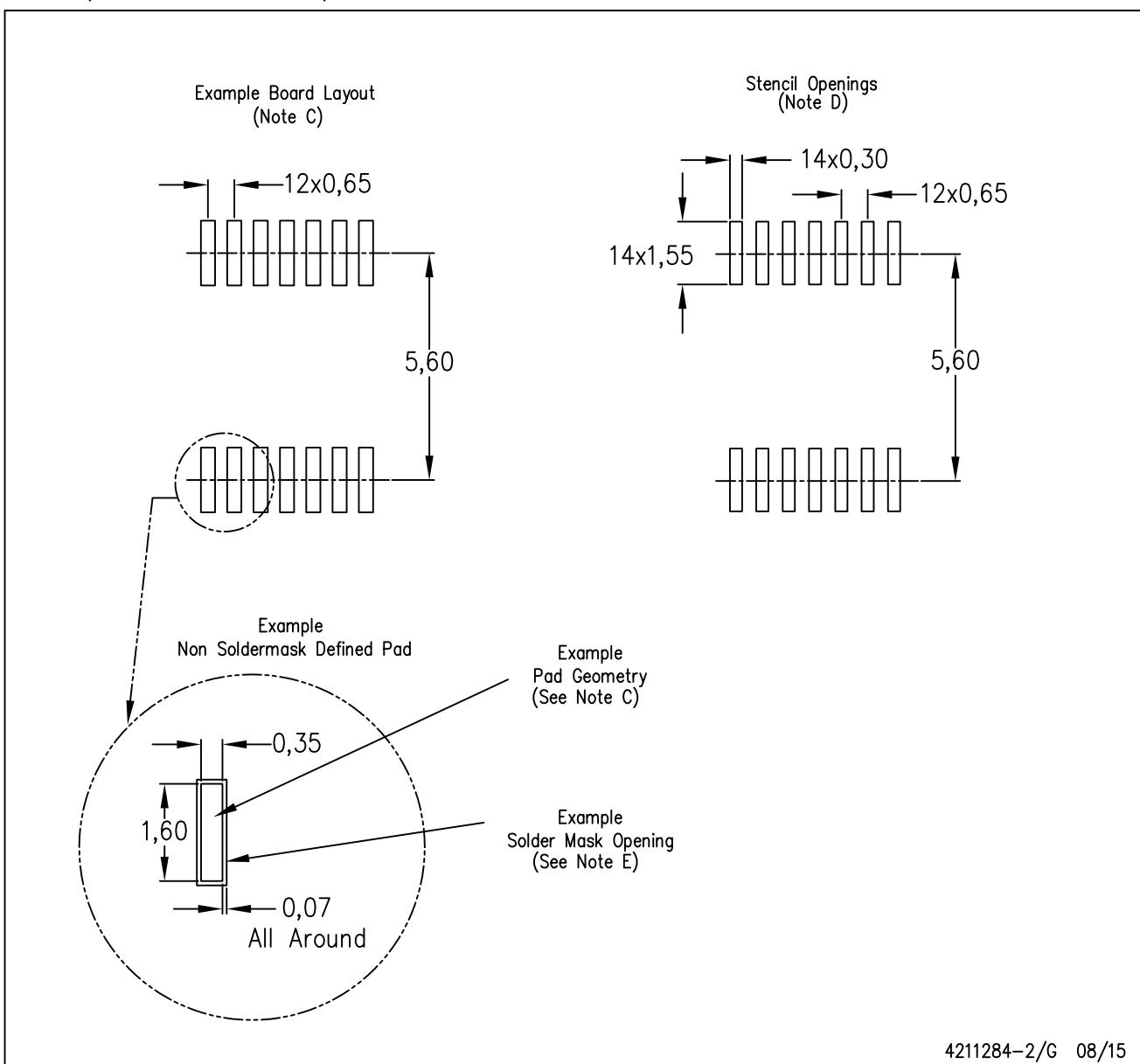
D. Body width does not include interlead flash. Interlead flash shall not exceed 0,25 each side.

E. Falls within JEDEC MO-153

# LAND PATTERN DATA

PW (R-PDSO-G14)

PLASTIC SMALL OUTLINE



4211284-2/G 08/15

- NOTES:
- A. All linear dimensions are in millimeters.
  - B. This drawing is subject to change without notice.
  - C. Publication IPC-7351 is recommended for alternate designs.
  - D. Laser cutting apertures with trapezoidal walls and also rounding corners will offer better paste release. Customers should contact their board assembly site for stencil design recommendations. Refer to IPC-7525 for other stencil recommendations.
  - E. Customers should contact their board fabrication site for solder mask tolerances between and around signal pads.

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