



Ref. Certif. No.

**US-34988-UL**

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

**CB TEST CERTIFICATE**

Product

Component IC Current Limiter

Name and address of the applicant

TEXAS INSTRUMENTS INCORPORATED  
12500 TI BLVD  
DALLAS TX 75243  
UNITED STATES

Name and address of the manufacturer

TEXAS INSTRUMENTS INCORPORATED  
12500 TI BLVD  
DALLAS TX 75243  
UNITED STATES

Name and address of the factory

Note: When more than one factory, please report on page 2

ASE ASSEMBLY & TEST (SHANGHAI) LTD  
#669 GUOSHOUJING RD  
ZHANGJIANG HI-TECH PARK  
PUDONG NEW AREA  
SHANGHAI  
201203 CHINA

Additional Information on page 2

Ratings and principal characteristics

See Pages 2 and 3

Trademark / Brand (if any)



Type of Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

TPS2041x, TPS2051x, TPS2061x, TPS2065x, TPS2065x-2,  
See Page 2

Additional information (if necessary may also be reported on page 2)

Additionally evaluated to EN 62368-1:2014 / A11:2017;  
National Differences specified in the CB Test Report.

Additional Information on page 2

A sample of the product was tested and found to be in conformity with

IEC 62368-1:2014

As shown in the Test Report Ref. No. which forms part of this Certificate

E169910-A6014-CB-1 issued on 2019-12-17

This CB Test Certificate is issued by the National Certification Body



- UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)

Date: 2019-12-17

Signature:

Jolanta M. Wroblewska



Ref. Certif. No.

**US-34988-UL**

**Model Details:**

TPS2041x, TPS2051x, TPS2061x, TPS2065x, TPS2065x-2, TPS2068x, TPS2069x, TPS2069x-2, TPS2000x, and TPS2001x. Where 'x' is C or D. May be followed by other characters that do not impact the safety feature of the device. TPD3S014 and TPD3S044. May be followed by other characters that do not impact the safety feature of the device.

**Factories:**

UTAC THAI LTD  
 WELGROW INDUSTRIAL ESTATE, 73 MOO5  
 BANGNA-TRAD (KM 38) RD  
 A BANGPAKONG, T BANGSAMAK  
 CHACHOENSAO 24180 THAILAND

NANTONG FUJITSU MICROELECTRONICS CO LTD  
 NO 288 CHONGCHUAN RD  
 CHONGCHUAN DEVELOPMENT ZONE  
 NANTONG  
 JIANGSU 226006 CHINA

TI (PHILIPPINES) INC  
 CLARK TI SPECIAL ECONOMIC ZONE  
 CLARK FREEPORT ZONE  
 ANGELES PAMPANGA PHILIPPINES

TEXAS INSTRUMENTS DE MEXICO S DE R L DE C V  
 JESUS RIVERA FRANCO # 507  
 CD INDUSTRIAL  
 20290 AGUASCALIENTES  
 AGS MEXICO

TEXAS INSTRUMENTS MALAYSIA SDN BHD  
 1 LORONG ENGGANG 33  
 AMPANG/ULU KLANG  
 54200 KUALA LUMPUR MALAYSIA

HANA SEMICONDUCTOR (AYUTTHAYA) CO LTD  
 HI-TECH IND ESTATE AUTH OF THAILAND  
 100 MOO1, T BAAN-LEN, A BANG PA-IN  
 KM 59 ASIA RD  
 AYUTTHAYA 13160 THAILAND

TEXAS INSTRUMENTS TAIWAN LTD  
 142 HSIN NAN RD, SEC 1  
 CHUNG HO  
 TAIPEI HSIEN  
 235 TAIWAN

**Ratings:**

(Optional)

**Input Voltage:**

4.5 to 5.5 Vdc

**Output Continuous Rating:**

TPS2041x - 0.5A  
 TPS2051x - 0.5A  
 TPS2061x - 1.0A  
 TPS2065x - 1.0A  
 TPS2065x-2 - 1.0A

**Additional information (if necessary)**



- UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)

Date: 2019-12-17

Signature:

Jolanta M. Wroblewska

## Ratings (continued):

## Output Continuous Rating (continued):

TPS2068x - 1.5A  
TPS2069x - 1.5A  
TPS2069x-2 - 1.5A  
TPS2000x - 2.0A  
TPS2001x - 2.0A  
TPD3S014 - 0.5A  
TPD3S044 - 1.5A

## Output Current Limit:

TPS2041x - 1.05A  
TPS2051x - 1.05A  
TPS2061x - 1.9A  
TPS2065x - 1.9A  
TPS2065x-2 - 1.96A  
TPS2068x - 2.7A  
TPS2069x - 2.7A  
TPS2069x-2 - 2.86A  
TPS2000x - 3.6A  
TPS2001x - 3.6A  
TPD3S014 - 1.05A  
TPD3S044 - 2.7A

## Maximum Operational Temperature:

85°C

## Additional information (if necessary)



UL (US), 333 Pfinqsten Rd IL 60062, Northbrook, USA

UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK

UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN

UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)

Date: 2019-12-17

Signature:

Jolanta M. Wroblewska

## IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATASHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES "AS IS" AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, or other requirements. These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI's products are provided subject to TI's Terms of Sale (<https://www.ti.com/legal/termsofsale.html>) or other applicable terms available either on [ti.com](https://www.ti.com) or provided in conjunction with such TI products. TI's provision of these resources does not expand or otherwise alter TI's applicable warranties or warranty disclaimers for TI products.

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265  
Copyright © 2021, Texas Instruments Incorporated