

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549

**FORM S-3  
REGISTRATION STATEMENT  
UNDER  
THE SECURITIES ACT OF 1933**

**TEXAS INSTRUMENTS INCORPORATED**  
(Exact Name of Registrant as Specified in Its Charter)

Delaware  
(State or Other Jurisdiction of  
Incorporation or Organization)

75-0289970  
(I.R.S. Employer  
Identification Number)

12500 TI Boulevard  
Dallas, Texas 75243  
(214) 479-3773  
(Address, Including Zip Code, and Telephone Number, Including Area Code, of Registrant's Principal Executive Offices)

Cynthia Hoff Trochu  
Senior Vice President, Secretary and General Counsel  
Texas Instruments Incorporated  
12500 TI Boulevard  
Dallas, Texas 75243  
(214) 479-3773  
(Name, Address, Including Zip Code, and Telephone Number, Including Area Code, of Agent For Service)

*Copy to:*  
Bruce K. Dallas, Esq.  
Davis Polk & Wardwell LLP  
1600 El Camino Real  
Menlo Park, California 94025  
(650) 752-2000

**Approximate date of commencement of proposed sale to the public:** From time to time after this Registration Statement becomes effective.

If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box.

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box.

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer  Accelerated filer   
Non-accelerated filer  Smaller reporting company   
Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act.

**CALCULATION OF REGISTRATION FEE**

Title of Each Class of Securities to be Registered	Amount to be Registered	Proposed Maximum Offering Price Per Unit (1)	Proposed Maximum Aggregate Offering Price	Amount of Registration Fee
Common Stock				
Preferred Stock				
Debt Securities				
Warrants				
Units				

(1) An indeterminate amount of securities to be offered at indeterminate prices is being registered pursuant to this registration statement. The registrant is deferring payment of the registration fee pursuant to Rule 456(b) and is omitting this information in reliance on Rule 456(b) and Rule 457(r).

PROSPECTUS



# Texas Instruments Incorporated

---

The following are types of securities that may be offered and sold by Texas Instruments Incorporated or by selling security holders under this prospectus from time to time:

- Common stock
- Preferred stock
- Debt securities
- Warrants
- Units

The securities may be offered by us or by selling security holders in amounts, at prices and on terms determined at the time of the offering. The securities may be sold directly to you, through agents, or through underwriters and dealers. If agents, underwriters or dealers are used to sell the securities, we will name them and describe their compensation in a prospectus supplement. You should read this prospectus and any prospectus supplement carefully before you invest.

We will describe in a prospectus supplement, which must accompany this prospectus, the securities we are offering and selling, as well as the specific terms of the securities. Those terms may include:

- Maturity
- Interest rate
- Currency of payments
- Dividends
- Redemption terms
- Listing on a security exchange
- Amount payable at maturity
- Conversion or exchange rights
- Liquidation amount
- Subsidiary guarantees
- Sinking fund terms

Our common stock is quoted on The Nasdaq Global Select Market under the ticker symbol TXN. On February 21, 2019, the reported last sale price on The Nasdaq Global Select Market for our common stock was \$106.64.

---

**Investing in these securities involves certain risks. See “Item 1A—Risk Factors” beginning on page 8 of our Annual Report on Form 10-K for the year ended December 31, 2018, which is incorporated by reference herein.**

---

**Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved these securities, or determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.**

**The date of this prospectus is February 22, 2019**

## [Table of Contents](#)

We are responsible for the information contained in or incorporated by reference into this prospectus and the applicable prospectus supplement and any free writing prospectus we prepare or authorize. We have not, and the underwriters have not, authorized anyone to provide you with different information, and we take no responsibility for any other information others may give you. We are not, and the underwriters are not, making an offer to sell these securities in any jurisdiction where the offer or sale is not permitted. You should not assume that the information contained or incorporated by reference into this prospectus or the applicable prospectus supplement is accurate as of any date other than its date. The terms “Texas Instruments,” “TI,” “we,” “us” and “our” refer to Texas Instruments Incorporated and its consolidated subsidiaries except where expressly indicated or the context otherwise requires.

---

### TABLE OF CONTENTS

	<u>Page</u>
<a href="#">The Company</a>	1
<a href="#">About this Prospectus</a>	1
<a href="#">Where You Can Find More Information</a>	2
<a href="#">Notice Regarding Forward-Looking Statements</a>	2
<a href="#">Use of Proceeds</a>	4
<a href="#">Description of Capital Stock</a>	5
<a href="#">Description of Debt Securities</a>	7
<a href="#">Description of Warrants</a>	17
<a href="#">Description of Units</a>	17
<a href="#">Forms of Securities</a>	18
<a href="#">Plan of Distribution</a>	20
<a href="#">Validity of Securities</a>	21
<a href="#">Experts</a>	21

## **THE COMPANY**

We design and make semiconductors that we sell to electronics designers and manufacturers all over the world. We began operations in 1930. We are incorporated in Delaware, headquartered in Dallas, Texas, and have design, manufacturing or sales operations in more than 30 countries.

Our principal executive offices are located at 12500 TI Boulevard, Dallas, Texas 75243, and our telephone number is (214) 479-3773. We maintain a website at [www.ti.com](http://www.ti.com) where general information about us is available. We are not incorporating the contents of the website into this prospectus.

For a description of our business, financial condition, results of operations and other important information regarding us, see our filings with the Securities and Exchange Commission (the "SEC") incorporated by reference into this prospectus. For instructions on how to find copies of these and our other filings incorporated by reference into this prospectus, see "Where You Can Find More Information."

## **ABOUT THIS PROSPECTUS**

This prospectus is part of a registration statement that we filed with the SEC utilizing a "shelf" registration process. Under this shelf process, we or selling security holders may sell any combination of the securities described in this prospectus in one or more offerings. This prospectus provides you with a general description of the securities we or selling security holders may offer. Each time we sell securities, we will provide a prospectus supplement that will contain specific information about the terms of that offering. The prospectus supplement may also add, update or change information contained in this prospectus. You should read both this prospectus and any prospectus supplement together with additional information described under the heading "Where You Can Find More Information."

## WHERE YOU CAN FIND MORE INFORMATION

We file annual, quarterly and current reports, proxy statements and other information with the SEC. Our SEC filings are available to the public on the SEC's website [www.sec.gov](http://www.sec.gov).

The SEC allows us to "incorporate by reference" the information we file with them, which means that we can disclose important information to you by referring you to those documents. The information incorporated by reference is an important part of this prospectus, and information that we file later with the SEC will automatically update and supersede this information. We incorporate by reference the Annual Report on Form 10-K for the year ended December 31, 2018, filed on February 22, 2019, the description of our common stock contained in our registration statement on Form 8-A filed on December 15, 2011 under Section 12 of the Exchange Act, including any amendments or reports filed for the purpose of updating such description, and all documents subsequently filed with the SEC pursuant to Section 13(a), 13(c), 14, or 15(d) of the Securities Exchange Act of 1934, as amended (the "Exchange Act") prior to the termination of the offering under this prospectus.

Any statements contained in a previously filed document incorporated by reference into this prospectus is deemed to be modified or superseded for purposes of this prospectus to the extent that a statement contained in this prospectus, or in a subsequently filed document also incorporated by reference herein, modifies or supersedes that statement.

You may request a copy of these filings at no cost, by writing or telephoning us at: 12500 TI Boulevard, P.O. Box 660199, Dallas, Texas 75266-0199, Attention: Manager of Investor Relations, (214) 479-3773. Information about us, including our SEC filings, is also available at our website at [www.ti.com](http://www.ti.com). However, the information on or accessible through our website is not a part of this prospectus or any prospectus supplement that we file.

## NOTICE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus and documents that are incorporated by reference into this prospectus include forward-looking statements intended to qualify for the safe harbor from liability established by the Private Securities Litigation Reform Act of 1995. These forward-looking statements generally can be identified by phrases such as we or our management "believes," "expects," "anticipates," "foresees," "forecasts," "estimates" or other words or phrases of similar import. Similarly, statements herein that describe our business strategy, outlook, objectives, plans, intentions or goals also are forward-looking statements. All such forward-looking statements are subject to certain risks and uncertainties that could cause actual results to differ materially from those in forward-looking statements.

We urge you to carefully consider the following important factors that could cause actual results to differ materially from the expectations of our company or our management:

- Market demand for semiconductors, particularly in our end markets;
- Our ability to compete in products and prices in an intensely competitive industry;
- Customer demand that differs from forecasts and the financial impact of inadequate or excess company inventory that results from demand that differs from projections;
- Economic, social and political conditions in the countries in which we, our customers or our suppliers operate, including security risks; global trade policies; political and social instability; health conditions; possible disruptions in transportation, communications and information technology networks; and fluctuations in foreign currency exchange rates;
- Evolving cybersecurity threats to our information technology systems or those of our customers or suppliers;

## Table of Contents

- Natural events such as severe weather, geological events or health epidemics in the locations in which we, our customers or our suppliers operate;
- Our ability to develop, manufacture and market innovative products in a rapidly changing technological environment;
- Timely implementation of new manufacturing technologies and installation of manufacturing equipment, and the ability to obtain needed third-party foundry and assembly/test subcontract services;
- Availability and cost of raw materials, utilities, manufacturing equipment, third-party manufacturing services and manufacturing technology;
- Product liability or warranty claims, claims based on epidemic or delivery failure, or other claims relating to our products, manufacturing, services, design or communications, or recalls by our customers for a product containing one of our parts;
- Compliance with or changes in the complex laws, rules and regulations to which we are or may become subject, or actions of enforcement authorities, that restrict our ability to manufacture or ship our products or operate our business, or subject us to fines, penalties or other legal liability;
- Changes in tax law and accounting standards that can impact the tax rate applicable to us, the jurisdictions in which profits are determined to be earned and taxed, adverse resolution of tax audits, increases in tariff rates, and the ability to realize deferred tax assets;
- A loss suffered by one of our customers or distributors with respect to TI-consigned inventory;
- Financial difficulties of our distributors or their promotion of competing product lines to our detriment, or the loss of significant distributors;
- Losses or curtailments of purchases from key customers or the timing and amount of distributor and other customer inventory adjustments;
- Our ability to maintain or improve profit margins, including our ability to utilize our manufacturing facilities at sufficient levels to cover our fixed operating costs, in an intensely competitive and cyclical industry and despite changes in the regulatory environment;
- Our ability to maintain and enforce a strong intellectual property portfolio and maintain freedom of operation in all jurisdictions where we conduct business; or our exposure to infringement claims;
- Instability in the global credit and financial markets that affects our ability to fund our daily operations, invest in the business, make strategic acquisitions, or make principal and interest payments on our debt;
- Increases in health care and pension benefit costs;
- Our ability to recruit and retain skilled engineering, management and technical personnel, and effectively manage key employee succession;
- Our ability to successfully integrate and realize opportunities for growth from acquisitions, or our ability to realize our expectations regarding the amount and timing of restructuring charges and associated cost savings; and
- Impairments of our non-financial assets.

For a more detailed discussion of these factors, see our periodic filings with the SEC. The forward-looking statements included in this prospectus are made only as of the date hereof, and we undertake no obligation to update the forward-looking statements to reflect subsequent events or circumstances.

## USE OF PROCEEDS

We intend to use the net proceeds from the sale of the securities for working capital and general corporate purposes including, but not limited to, funding our operations, purchasing capital equipment, funding potential acquisitions, repaying debt, paying dividends and repurchasing shares of our common stock. We may also invest the proceeds in certificates of deposit, United States government securities or certain other interest-bearing securities. If we decide to use the net proceeds from a particular offering of securities for a specific purpose, we will describe that in the related prospectus supplement.

## DESCRIPTION OF CAPITAL STOCK

The following description of our capital stock is based upon our restated certificate of incorporation, as amended (“Restated Certificate of Incorporation”), our by-laws, as amended (“By-Laws”), and applicable provisions of law. We have summarized certain portions of the Restated Certificate of Incorporation and By-Laws below. The summary is not complete. The Restated Certificate of Incorporation and By-Laws are incorporated by reference as exhibits to the registration statement of which this prospectus forms a part. You should read the Restated Certificate of Incorporation and By-Laws for the provisions that are important to you.

Certain provisions of the Delaware General Corporation Law (“DGCL”), the Restated Certificate of Incorporation and By-Laws summarized in the following paragraphs may have an anti-takeover effect. This may delay, defer or prevent a tender offer or takeover attempt that a stockholder might consider in its best interests, including those attempts that might result in a premium over the market price for the shares held by such stockholder.

### Authorized Capital Stock

The Restated Certificate of Incorporation authorizes us to issue 2,400,000,000 shares of common stock, \$1.00 par value per share, and 10,000,000 shares of preferred stock, \$25.00 par value per share.

### Common Stock

As of January 31, 2019, there were 940,020,248 shares of common stock outstanding which were held of record by 13,653 stockholders. We are authorized to issue additional shares of common stock without further stockholder approval, except as may be required by applicable law or stock exchange regulations. The holders of shares of our common stock, subject to the preferential rights of the holders of any shares of our preferred stock, are entitled to dividends when and as declared by our board of directors. The holders of our common stock have one vote per share on all matters submitted to a vote of the stockholders, and the right to share pro rata in the net assets of TI in liquidation after payment of any amounts due to creditors and in respect of any preferred stock. Holders of shares of our common stock are not entitled as a matter of right to any preemptive or subscription rights and are not entitled to cumulative voting for directors. All outstanding shares of common stock are, and the shares of common stock issued upon any conversion or exchange of any debt securities or preferred stock providing for such conversion or exchange will be, fully paid and nonassessable. Our common stock is listed on The Nasdaq Global Select Market. The transfer agent and registrar for our common stock is Computershare Trust Company, N.A., 33 N. LaSalle Street, Suite 1100, Chicago, Illinois 60602.

Our By-Laws provide that the annual meeting of stockholders shall be held on the third Thursday in April each year or on such other date as may be fixed by the our board of directors and as stated in a written notice, which must be mailed or delivered to each stockholder at least 10 days prior to any stockholder meeting.

### Preferred Stock

As of January 31, 2019, there were no shares of our preferred stock outstanding. We are authorized to issue up to 10,000,000 shares of preferred stock, in one or more series, with such designations and such relative voting, dividend, liquidation, conversion, and other rights, preferences and limitations as are stated in the Restated Certificate of Incorporation, or any certificate of designation establishing such series adopted by our board of directors. The 10,000,000 authorized but unissued shares of preferred stock may be issued pursuant to resolution of our board of directors without the vote of the holders of our capital stock. If preferred stock is offered pursuant to this prospectus, we will describe the restrictions, if any, on the repurchase or redemption of the preferred stock by us in a prospectus supplement.



### **Certain Provisions of Texas Instruments' Certificate of Incorporation and By-Laws**

Our Restated Certificate of Incorporation states that action may be taken by stockholders only at annual or special meetings of stockholders, and that stockholders may not act by written consent. The By-Laws vest the power to call special meetings of stockholders in our chairman of the board, our president, or a majority of our board of directors.

To be properly brought before an annual meeting of stockholders, any stockholder proposal or nomination for the board of directors must be delivered to or mailed and received at our principal executive offices not less than 90 days prior to the first anniversary of the previous year's annual meeting; provided that in the event that the date of the annual meeting is advanced by more than 30 days, or delayed by more than 70 days, from such anniversary date, notice by the stockholder to be timely must be so delivered not later than the close of business on the later of the 90th day prior to such annual meeting or the 10th day following the day on which public announcement of the date of the meeting is first made.

### **Certain Anti-Takeover Effects of Delaware Law**

We are subject to Section 203 of the DGCL ("Section 203"). In general, Section 203 prohibits a publicly held Delaware corporation from engaging in various "business combination" transactions with any interested stockholder for a period of three years following the date of the transactions in which the person became an interested stockholder, unless:

- the transaction is approved by the board of directors prior to the date the interested stockholder obtained such status;
- upon consummation of the transaction which resulted in the stockholder becoming an interested stockholder, the interested stockholder owned at least 85% of the voting stock of the corporation outstanding at the time the transaction commenced; or
- on or subsequent to such date the business combination is approved by the board and authorized at an annual or special meeting of stockholders by the affirmative vote of at least 66 2/3% of the outstanding voting stock which is not owned by the interested stockholder.

A "business combination" is defined to include mergers, asset sales, and other transactions resulting in financial benefit to a stockholder. In general, an "interested stockholder" is a person who, together with affiliates and associates, owns (or within three years, did own) 15% or more of a corporation's voting stock. The statute could prohibit or delay mergers or other takeover or change in control attempts with respect to our company and, accordingly, may discourage attempts to acquire our company even though such a transaction may offer our stockholders the opportunity to sell their stock at a price above the prevailing market price.

## DESCRIPTION OF DEBT SECURITIES

Our debt securities, consisting of notes, debentures or other evidences of indebtedness, may be issued from time to time in one or more series pursuant to an indenture entered into between us and U.S. Bank National Association, as trustee. The terms of our debt securities will include those set forth in the indenture and those made a part of the indenture by the Trust Indenture Act of 1939.

The following is only a summary of selected provisions of the indenture and the debt securities and therefore does not contain all information that may be important to you. This summary is qualified in its entirety by reference to the base indenture and any supplemental indenture thereto or officers' certificate or board resolution related thereto. We urge you to read the indenture because the indenture, not this description, defines the rights of the holders of the debt securities. The indenture is included as an exhibit to the registration statement of which this prospectus is a part.

As used in this section of the prospectus and under the captions "Description of Capital Stock," "Description of Warrants" and "Description of Units," the terms "we," "us" and "our" refer only to Texas Instruments Incorporated and not to any existing or future subsidiaries of Texas Instruments Incorporated.

### General

The debt securities will constitute unsecured and unsubordinated obligations of ours and will rank *pari passu* with our other unsecured and unsubordinated obligations.

We conduct some of our operations through subsidiaries. Consequently, our ability to pay our obligations, including our obligation to pay principal or interest on the debt securities, to pay the debt securities at maturity or upon redemption or to buy the debt securities may depend upon our subsidiaries repaying investments and advances we have made to them, and upon our subsidiaries' earnings and their distributing those earnings to us. The debt securities will be effectively subordinated to all obligations (including trade payables and preferred stock obligations) of our subsidiaries. Our subsidiaries are separate and distinct legal entities and have no obligation, contingent or otherwise, to pay any amounts due on the debt securities or to make funds available to us to do so. Our subsidiaries' ability to pay dividends or make other payments or advances to us will depend upon their operating results and will be subject to applicable laws and contractual restrictions. The indenture will not limit our subsidiaries' ability to enter into other agreements that prohibit or restrict dividends or other payments or advances to us.

The debt securities will be our unsecured obligations. Our secured debt and other secured obligations will be effectively senior to the debt securities to the extent of the value of the assets securing such debt or other obligations.

You should look in the prospectus supplement for any additional or different terms of the debt securities being offered, including the following terms:

- the debt securities' designation;
- the aggregate principal amount of the debt securities;
- the percentage of their principal amount (i.e., price) at which the debt securities will be issued;
- the date or dates on which the debt securities will mature and the right, if any, to extend such date or dates;
- the rate or rates, if any, per year, at which the debt securities will bear interest, or the method of determining such rate or rates;

## Table of Contents

- the date or dates from which such interest will accrue, the interest payment dates on which such interest will be payable or the manner of determination of such interest payment dates and the record dates for the determination of holders to whom interest is payable on any interest payment date;
- the right, if any, to extend the interest payment periods and the duration of that extension;
- the manner of paying principal and interest and the place or places where principal and interest will be payable;
- provisions for a sinking fund purchase or other analogous fund, if any;
- the period or periods, if any, within which, the price or prices at which, and the terms and conditions upon which the debt securities may be redeemed, in whole or in part, at our option or at your option;
- the form of the debt securities;
- any provisions for payment of additional amounts for taxes and any provision for redemption, if we must pay such additional amounts in respect of any debt security;
- the terms and conditions, if any, upon which we may have to repay the debt securities early at your option;
- the currency, currencies or currency units for which you may purchase the debt securities and the currency, currencies or currency units in which principal and interest, if any, on the debt securities may be payable;
- the terms and conditions, if any, pursuant to which the debt securities may be exchanged for the cash value of other securities issued by us or by a third party;
- the initial conversion or exchange price or rate and any adjustments thereto, the period or periods within which, and the other terms and conditions upon which conversion or exchange of the debt securities may be effected;
- whether and upon what terms the debt securities may be defeased;
- any events of default or covenants in addition to or in lieu of those set forth in the indenture;
- provisions for electronic issuance of debt securities or for debt securities in uncertificated form; and
- any other terms of the debt securities, including any terms which may be required by or advisable under applicable laws or regulations or advisable in connection with the marketing of the debt securities.

We may from time to time, without notice to or the consent of the holders of any series of debt securities, create and issue further debt securities of any such series ranking equally with the debt securities of such series in all respects (or in all respects other than the payment of interest accruing prior to the issue date of such further debt securities or except for the first payment of interest following the issue date of such further debt securities). Such further debt securities may be consolidated and form a single series with the debt securities of such series and have the same terms as to status, redemption or otherwise as the debt securities of such series.

You may present debt securities for exchange and you may present debt securities for transfer in the manner, at the places and subject to the restrictions set forth in the debt securities and the applicable prospectus supplement. We will provide you those services without charge, although you may have to pay any tax or other governmental charge payable in connection with any exchange or transfer, as set forth in the indenture.

Debt securities will bear interest at a fixed rate or a floating rate. Debt securities bearing no interest or interest at a rate that at the time of issuance is below the prevailing market rate (original issue discount securities) may be sold at a discount below their stated principal amount. Special U.S. federal income tax considerations applicable to any such discounted debt securities or to certain debt securities issued at par which are treated as having been issued at a discount for U.S. federal income tax purposes will be described in the applicable prospectus supplement.

## [Table of Contents](#)

We may issue debt securities with the principal amount payable on any principal payment date, or the amount of interest payable on any interest payment date, to be determined by reference to one or more currency exchange rates, securities or baskets of securities, commodity prices or indices. You may receive a payment of principal on any principal payment date, or a payment of interest on any interest payment date, that is greater than or less than the amount of principal or interest otherwise payable on such dates, depending upon the value on such dates of the applicable currency, security or basket of securities, commodity or index. Information as to the methods for determining the amount of principal or interest payable on any date, the currencies, securities or baskets of securities, commodities or indices to which the amount payable on such date is linked and certain additional tax considerations will be set forth in the applicable prospectus supplement.

### **Certain Terms of the Debt Securities**

#### ***Certain Covenants***

*Certain Definitions.* The term “attributable debt” in respect of a sale and leaseback transaction means, at the time of determination, the lesser of (1) the fair market value of the assets subject to such transaction, as determined by our board of directors, and (2) the present value (discounted at the interest rate implicit in the lease or, if it is not practicable to determine such rate, then at our incremental borrowing rate determined in accordance with generally accepted accounting principles) of the obligation of the lessee for net rental payments during the remaining term of any lease.

The term “consolidated net tangible assets” means, at any date, the total assets appearing on our most recent consolidated balance sheet, prepared in accordance with generally accepted accounting principles, less all current liabilities as shown on such balance sheet, and intangible assets.

The term “funded debt” means all debt whether incurred, assumed or guaranteed, including purchase money indebtedness, maturing by its terms more than one year from the date of creation thereof or which is renewable or extendable at the sole option of the obligor in such manner that it may become payable more than one year from the date of creation thereof.

The term “intangible assets” means the value (net of applicable reserves), as shown on or reflected in our most recent consolidated balance sheet, of (i) all trade names, trademarks, licenses, patents, copyrights and goodwill; (ii) organizational and development costs; (iii) deferred charges (other than prepaid items such as insurance, taxes, interest, commissions, rents and similar items and tangible assets being amortized); and (iv) unamortized debt discount and expenses, less unamortized premium; but in no event shall the term “intangible assets” include computer programs and related products.

The term “net rental payments” under any lease for any period shall mean the sum of rental and other payments required to be paid by such lessee thereunder, not including, however, amounts payable by the lessee for maintenance and repairs, insurance, taxes, assessments and similar charges and for contingent rents (such as those based on sales).

The term “principal manufacturing property” means each of our manufacturing or processing plants or facilities located in the United States of America (other than territories and possessions of the United States) or Puerto Rico, except any such manufacturing or processing plant or facility that the board of directors by resolution determines not to be of material importance to the total business conducted by us and our consolidated subsidiaries, taken as a whole.

*Restrictions on Liens.* The indenture provides that, unless as may otherwise be indicated by resolution of our board of directors, officers’ certificate, or supplemental indenture, we will not issue or assume any debt for money borrowed (which, including guarantees of debt for borrowed money, we refer to as “debt”), if the debt is secured by a mortgage, pledge, lien or other encumbrance (which we refer to as a “mortgage”) upon any

## Table of Contents

principal manufacturing property (whether such principal manufacturing property is now owned or subsequently acquired) without in any such case effectively providing that the debt securities (together with any other debt security ranking equally with the debt securities) shall be secured equally and ratably with the debt until such time as such debt is no longer secured by such mortgage. The foregoing restrictions shall not apply to:

- mortgages existing as of the closing date of the offering of the relevant series of debt securities;
- mortgages on property existing at the time of or within 120 days after acquisition of the property and certain purchase money mortgages;
- mortgages on property of an entity existing at the time that entity is merged into or consolidated with us or substantially all the assets of which are acquired by us;
- mortgages in favor of the United States or any political subdivision or any instrumentality thereof, or in favor of any other country or any political subdivision or instrumentality thereof, to secure certain payments pursuant to any contract or statute or to secure any indebtedness incurred or guaranteed for the purpose of financing all or any part of the purchase price or the cost of construction of the property subject to the mortgages;
- mortgages for taxes, assessments or other governmental charges not yet due or payable or subject to penalties for non-payment or which we are contesting in good faith by appropriate proceedings;
- mortgages to secure the performance of bids, trade contracts, leases, statutory obligations, surety and appeal bonds, performance bonds and other obligations of a like nature, in each case in the ordinary course of business;
- mortgages imposed by law, such as carrier's, warehousemen's and mechanic's liens and other similar liens, in each case for sums not yet overdue by more than 30 calendar days or being contested in good faith by appropriate proceedings, or other liens arising out of judgments or awards against us with respect to which we shall then be proceeding with an appeal or other proceedings for review and liens arising solely by virtue of any statutory or common law provision relating to banker's liens, rights of set-off or similar rights and remedies as to deposit accounts or other funds maintained with a creditor depository institution; and
- any extension, renewal or replacement (or successive extensions, renewals or replacements), in whole or in part, of any mortgage referred to in the bullet points above.

*Restrictions on Sale and Leaseback Transactions.* The indenture provides that, unless as may otherwise be indicated by resolution of our board of directors, officers' certificate, or supplemental indenture, we will not enter into any lease longer than three years covering any principal manufacturing property that is sold to any person (other than any then-existing subsidiary) in connection with such lease unless the proceeds from such sale or transfer shall be at least equal to the fair value of such property as determined by resolution by our board of directors and either:

- we would be entitled, pursuant to the "Restrictions on Liens" covenant described above, to incur debt secured by a mortgage on the principal manufacturing property involved in an amount at least equal to the attributable debt in respect of such principal manufacturing property without equally and ratably securing the debt securities, provided, that such attributable debt shall thereupon be deemed to be debt subject to the provisions of such restrictions on liens; or
- within a period commencing twelve months prior to the consummation of the sale and leaseback transaction and ending twelve months after consummation of such transaction, we have expended or will expend for principal manufacturing property an amount equal to:
  - the proceeds of such sale and leaseback transaction and we elect to designate such amount as a credit against such transaction, or

## Table of Contents

- a part of the proceeds of such sale and leaseback transaction and we elect to designate such amount as a credit against such transaction and treat an amount equal to the remainder of the proceeds as provided in the clause directly below; or
- such attributable debt (less any amount elected under the clause directly above) is applied within 120 days after the transaction to the retirement of funded debt, or is considered to be attributable debt for purposes of the calculation of exempted debt and, after giving effect to the exempted debt, the exempted debt does not exceed 15% of consolidated net tangible assets.

*Exempted Debt.* The indenture provides that, notwithstanding the restrictions on mortgages and sale and leaseback transactions described above, we may, in addition to amounts permitted under such restrictions, create, extend, renew or replace debt secured by mortgages, or enter into sale and leaseback transactions, which would otherwise be subject to the foregoing restrictions, without equally and ratably securing the debt securities and without any obligation to make expenditures for principal manufacturing property or to retire any debt, provided, that after giving effect thereto, the aggregate additional outstanding amount of such debt secured by mortgage plus attributable debt resulting from such sale and leaseback transactions (“exempted debt”) does not exceed 15% of consolidated net tangible assets.

*Consolidation, Merger and Sale or Conveyance.* We may not consolidate with, merge with or into, or sell, or convey (including by way of lease) all or substantially all of our assets to any person or permit any person to merge with or into us unless:

- we are the continuing person or the person formed by such consolidation or into which we are merged or that acquired or leased our property and assets shall be a corporation or entity organized under the laws of the United States of America or any state thereof (or, any entity not organized under such laws which agrees, in a form satisfactory to the trustee, to submit to the jurisdiction of the United States district court for the Southern District of New York, and to indemnify and hold harmless the holders of the debt securities against certain taxes and expenses) and shall expressly assume, by a supplemental indenture, executed and delivered to the trustee, all of our obligations on all of the debt securities and under the indenture;
- immediately after giving effect to such transaction, no default or event of default shall have occurred and be continuing; and
- we deliver to the trustee an officers’ certificate and opinion of counsel, in each case stating that such consolidation, merger, or conveyance and such supplemental indenture complies with this provision and that all conditions precedent provided for in the indenture and the debt securities relating to such transaction have been complied with.

The restrictions in the bullets above shall not be applicable to:

- the merger or consolidation of us with an affiliate of ours if our board of directors determines in good faith that the purpose of such transaction is principally to change our state of incorporation or convert our form of organization to another form; or
- the merger of us with or into a single direct or indirect wholly owned subsidiary of ours pursuant to Section 251(g) (or any successor provision) of the General Corporation Law of the State of Delaware.

If any consolidation or merger or any sale, assignment, conveyance, lease, transfer or other disposition of all or substantially all of our assets occurs in accordance with the indenture, the successor corporation will succeed to, and be substituted for us and may exercise every right and power under the indenture with the same effect as if such successor corporation had been named in our place in the indenture, and we will (except in the case of a lease) be discharged from all obligations and covenants under the indenture and the debt securities.

### ***Events of Default***

An event of default for any series of debt securities is defined under the indenture as being:

- our default in the payment of principal on the debt securities of such series when due and payable whether at maturity, upon redemption, by declaration or otherwise, but, in the case of technical or administrative difficulties, only if that default continues for a period of two days;
- our default in the payment of interest on any debt securities of such series when due and payable, if that default continues for a period of 30 days;
- our default in the performance of or breach of any of our other covenants or agreements in the indenture applicable to debt securities of such series, other than a covenant breach of which is specifically dealt with elsewhere in the indenture, and that default or breach continues for a period of 90 days after we receive written notice from the trustee or from the holders of 25% or more in aggregate principal amount of the debt securities of such series then outstanding;
- any other event of default provided for in such series of debt securities;
- a court having jurisdiction enters a decree or order for:
  - relief in respect of us in an involuntary case under any applicable bankruptcy, insolvency, or other similar law now or hereafter in effect;
  - appointment of a receiver, liquidator, assignee, custodian, trustee, sequestrator, or similar official of us or for all or substantially all of our property; or
  - the winding up or liquidation of our affairs

and such decree or order shall remain unstayed and in effect for a period of 60 consecutive days; or

- we:
  - commence a voluntary case under any applicable bankruptcy, insolvency, or other similar law now or hereafter in effect;
  - consent to the entry of an order for relief in an involuntary case under any such law;
  - consent to the appointment of or taking possession by a receiver, liquidator, assignee, custodian, trustee, sequestrator, or similar official of us for all or substantially all of our property; or
  - effect any general assignment for the benefit of creditors.

The default by us under any other debt, including any other series of debt securities, is not a default under the indenture.

If an event of default other than an event of default specified in the last two bullet points above occurs with respect to a series of debt securities and is continuing under the indenture, then, and in each and every such case, either the trustee or the holders of not less than 25% in aggregate principal amount of such series then outstanding under the indenture (each such series voting as a separate class) by written notice to us and to the trustee, if such notice is given by the holders, may, and the trustee at the request of such holders shall, declare the principal amount of and accrued interest, if any, on such debt securities to be immediately due and payable.

If an event of default specified in the last two bullet points above occurs with respect to us and is continuing, then the entire principal amount of the debt securities of all series then outstanding will automatically become due immediately and payable without any declaration or other act on the part of the trustee or any holder.

Upon a declaration of acceleration, the principal amount of and accrued interest, if any, on such debt securities shall be immediately due and payable. Unless otherwise specified in the prospectus supplement

## Table of Contents

relating to a series of debt securities originally issued at a discount, the amount due upon acceleration shall include only the original issue price of the debt securities, the amount of original issue discount accrued to the date of acceleration and accrued interest, if any.

Upon certain conditions declarations of acceleration may be rescinded and annulled and past defaults may be waived by the holders of a majority in aggregate principal amount of all the securities of such series affected by the default, each series voting as a separate class (or, of all the debt securities, as the case may be, voting as a single class). Furthermore, subject to various provisions in the indenture, the holders of at least a majority in aggregate principal amount of a series of debt securities by notice to the trustee, may waive an existing default or event of default with respect to such debt securities and its consequences, except a default in the payment of principal of or interest on such debt securities or in respect of a covenant or provision of the indenture which cannot be modified or amended without the consent of the holders of each such debt securities. Upon any such waiver, such default shall cease to exist, and any event of default with respect to such debt securities shall be deemed to have been cured, for every purpose of the indenture; but no such waiver shall extend to any subsequent or other default or event of default or impair any right consequent thereto. For information as to the waiver of defaults, see “—Modification and Waiver.”

The holders of at least a majority in aggregate principal amount of a series of debt securities may direct the time, method, and place of conducting any proceeding for any remedy available to the trustee or exercising any trust or power conferred on the trustee with respect to such debt securities. However, the trustee may refuse to follow any direction that conflicts with law or the indenture, that may involve the trustee in personal liability, or that the trustee determines in good faith may be unduly prejudicial to the rights of holders of such issue of debt securities not joining in the giving of such direction and may take any other action it deems proper that is not inconsistent with any such direction received from holders of such issue of debt securities. A holder may not pursue any remedy with respect to the indenture or any series of debt securities unless:

- the holder gives the trustee written notice of a continuing event of default;
- the holders of at least 25% in aggregate principal amount of such series of debt securities make a written request to the trustee to pursue the remedy in respect of such event of default;
- the requesting holder or holders offer the trustee indemnity satisfactory to the trustee against any costs, liability, or expense;
- the trustee does not comply with the request within 60 days after receipt of the request and the offer of indemnity; and
- during such 60-day period, the holders of a majority in aggregate principal amount of such series of debt securities do not give the trustee a direction that is inconsistent with the request.

These limitations, however, do not apply to the right of any holder of a debt security to receive payment of the principal of or interest, if any, on such debt security, or to bring suit for the enforcement of any such payment, on or after the due date for the debt securities, which right shall not be impaired or affected without the consent of the holder.

The indenture requires certain of our officers to certify, on or before a fixed date in each year in which any security is outstanding, as to their knowledge of our compliance with all conditions and covenants under the indenture.



### ***Discharge and Defeasance***

The indenture provides that, unless the terms of any series of debt securities provide otherwise, we may discharge our obligations with respect to an issue of debt securities and the indenture with respect to such series of debt securities if:

- we pay or cause to be paid, as and when due and payable, the principal of and any interest on all securities of such series outstanding under the indenture, and we also pay all other sums payable by us under the indenture; or
- all debt securities of such series previously authenticated and delivered have been delivered to the trustee for cancellation, and we have paid all sums payable by us under the indenture; or
- the debt securities of such series mature within one year or all of them are to be called for redemption within one year under arrangements satisfactory to the trustee for giving the notice of redemption, and we irrevocably deposit in trust with the trustee, as trust funds solely for the benefit of the holders of the debt securities of such series, for that purpose, the entire amount in cash or, in the case of any series of debt securities payments on which may only be made in U.S. dollars, U.S. government obligations, maturing as to principal and interest in such amounts and at such times as will insure the availability of cash sufficient to pay principal of and interest on the debt securities of such series to maturity or redemption, as the case may be, and to pay all other sums payable by us under the indenture.

With respect to the first and second bullet points, only our obligations to compensate and indemnify the trustee and our right to recover unclaimed money held by the trustee under the indenture shall survive. With respect to the third bullet point, certain additional rights and obligations under the indenture shall survive until such debt securities are no longer outstanding. Thereafter, only our obligations to compensate and indemnify the trustee and our right to recover unclaimed money held by the trustee shall survive.

Unless the terms of any series of debt securities provide otherwise, on the 121st day after the date of deposit of trust funds with the trustee, we will be deemed to have paid and will be discharged from any and all obligations in respect of the series of debt securities provided for in the funds, and the provisions of the indenture will no longer be in effect with respect to such debt securities (“legal defeasance”) except as to certain rights and obligations under the indenture; provided that the following conditions shall have been satisfied:

- we have irrevocably deposited in trust with the trustee as trust funds solely for the benefit of the holders of the debt securities of such series, for payment of the principal of and interest on the debt securities of such series, cash in an amount or, in the case of any series of debt securities payments on which can only be made in U.S. dollars, U.S. government obligations (maturing as to principal and interest at such times and in such amounts as will insure the availability of cash) or a combination thereof sufficient (in the opinion of a nationally recognized firm of independent public accountants expressed in a written certification thereof delivered to the trustee), after payment of all federal, state and local taxes or other charges and assessments in respect thereof payable by the trustee, to pay and discharge the principal of and accrued interest on the debt securities of such series to maturity or earlier redemption, as the case may be, and any mandatory sinking fund payments on the day on which such payments are due and payable in accordance with the terms of the indenture and the debt securities of such series;
- such deposit will not result in a breach or violation of, or constitute a default under, the indenture or any other agreement or instrument to which we are a party or by which we are bound;
- we shall have delivered to the trustee an officers’ certificate and an opinion of counsel to the effect that we have received from, or there has been published by, the Internal Revenue Service a ruling to the effect that the holders of the debt securities of such series will not recognize income, gain or loss for federal income tax purposes as a result of our exercising our option under this provision of the indenture and will be subject to federal income tax on the same amount and in the same manner and at the same times as would have been the case if such deposit and defeasance had not occurred; and

## [Table of Contents](#)

- we have delivered to the trustee an officers' certificate and an opinion of counsel, in each case stating that all conditions precedent provided for in the indenture relating to the contemplated defeasance of the debt securities of such series have been complied with, and the opinion of counsel shall also state that such deposit does not violate applicable law.

Subsequent to the legal defeasance above, after such debt securities are no longer outstanding, only our obligations to compensate and indemnify the trustee and our right to recover unclaimed money held by the trustee shall survive.

### ***Modification and Waiver***

We and the trustee may amend or supplement the indenture or the debt securities without the consent of any holder:

- to convey, mortgage or pledge any assets as security for the securities of one or more series;
- to evidence the succession of another corporation to us, and the assumption by such successor corporation of our covenants, agreements and obligations under the indenture;
- to cure any ambiguity, defect, or inconsistency in the indenture or in any supplemental indenture or to conform the indenture or the debt securities to the description of debt securities of such series set forth in this prospectus or a prospectus supplement;
- to comply with the provisions described under “—Certain Covenants—Consolidation, Merger and Sale or Conveyance”;
- to evidence and provide for the acceptance of appointment hereunder by a successor trustee, or to make such changes as shall be necessary to provide for or facilitate the administration of the trusts in the indenture by more than one trustee;
- to establish the form or forms or terms of the debt securities as permitted by the indenture;
- to make any change that is necessary or desirable provided that such change shall not adversely affect the interests of the holders of the debt securities of any series in any material respect;
- to add to our covenants such new covenants, restrictions, conditions or provisions for the protection of the holders, and to make the occurrence, or the occurrence and continuance, of a default in any such additional covenants, restrictions, conditions or provisions an event of default; or
- to make any change to the debt securities of any series so long as no debt securities of such series are outstanding.

Other amendments and modifications of the indenture or the debt securities issued may be made, and our compliance with any provision of the indenture with respect to any series of debt securities may be waived, with the consent of the holders of not less than a majority of the aggregate principal amount of the outstanding debt securities of all series affected by the amendment or modification (voting as one class); provided, however, that each affected holder must consent to any modification, amendment or waiver that,

- extends the stated maturity of the principal of, or the time of payment of any installment of interest on, any debt securities of such series;
- reduces the principal amount of, or interest on, any debt securities of such series;
- changes the place or currency of payment of principal of, or interest on, any debt securities of such series;
- impairs the right of holders to institute suit for the enforcement of any payment of any debt securities of such series;

## [Table of Contents](#)

- reduces the above-stated percentage of outstanding debt securities of such series the consent of whose holders is necessary to modify or amend or to waive certain provisions of or defaults under the indenture;
- modifies any of the provisions of the preceding bullets, except to increase any required percentage or to provide that certain other provisions cannot be modified or waived without the consent of the holder of each debt security of such series affected by the modification; or
- waives a default in respect of a covenant or provision which cannot be modified or amended without the consent of each affected holder.

It shall not be necessary for the consent of the holders under this section to approve the particular form of any proposed amendment, supplement, or waiver, but it shall be sufficient if such consent approves the substance thereof. After an amendment, supplement, or waiver under this section becomes effective, the trustee must give to the holders affected thereby certain notice briefly describing the amendment, supplement, or waiver. We will mail supplemental indentures to holders upon request. Any failure by the trustee to give such notice, or any defect therein, shall not, however, in any way impair or affect the validity of any such supplemental indenture or waiver.

### ***No Personal Liability of Incorporators, Stockholders, Officers, Directors***

The indenture provides that no recourse shall be had under or upon any obligation, covenant, or agreement of ours in the indenture or any supplemental indenture, or in any of the debt securities or because of any indebtedness represented thereby, against any incorporator, stockholder, officer or director of ours or of any successor person thereof under any law, statute or constitutional provision or by the enforcement of any assessment or by any legal or equitable proceeding or otherwise. Each holder, by accepting the debt securities, waives and releases all such liability.

### ***Concerning the Trustee***

The indenture provides that, except during the continuance of a default, the trustee will not be liable, except for the performance of such duties as are specifically set forth in the indenture. If an event of default has occurred and is continuing, the trustee will exercise such rights and powers vested in it under the indenture and will use the same degree of care and skill in its exercise as a prudent person would exercise under the circumstances in the conduct of such person's own affairs.

### ***Governing Law***

The indenture and the debt securities will be governed by, and construed in accordance with, the internal laws of the State of New York.

### ***The Trustee***

We may have normal banking relationships with the trustee under the indenture in the ordinary course of business.

## **DESCRIPTION OF WARRANTS**

We may issue warrants to purchase our debt or equity securities or securities of third parties or other rights, including rights to receive payment in cash or securities based on the value, rate or price of one or more specified commodities, currencies, securities or indices, or any combination of the foregoing. Warrants may be issued independently or together with any other securities and may be attached to, or separate from, such securities. Each series of warrants will be issued under a separate warrant agreement to be entered into between us and a warrant agent. The terms of any warrants to be issued and a description of the material provisions of the applicable warrant agreement will be set forth in the applicable prospectus supplement.

## **DESCRIPTION OF UNITS**

As specified in the applicable prospectus supplement, we may issue units consisting of one or more warrants, debt securities, shares of preferred stock, shares of common stock or any combination of such securities.

## FORMS OF SECURITIES

Each debt security, warrant, and unit will be represented either by a certificate issued in definitive form to a particular investor or by one or more global securities representing the entire issuance of securities. Certificated securities in definitive form and global securities will be issued in registered form. Definitive securities name you or your nominee as the owner of the security, and in order to transfer or exchange these securities or to receive payments other than interest or other interim payments, you or your nominee must physically deliver the securities to the trustee, registrar, paying agent or other agent, as applicable. Global securities name a depositary or its nominee as the owner of the debt securities, warrants or units represented by these global securities. The depositary maintains a computerized system that will reflect each investor's beneficial ownership of the securities through an account maintained by the investor with its broker/dealer, bank, trust company or other representative, as we explain more fully below.

### Global Securities

*Registered Global Securities.* We may issue the registered debt securities, warrants and units in the form of one or more fully registered global securities that will be deposited with a depositary or its nominee identified in the applicable prospectus supplement and registered in the name of that depositary or nominee. In those cases, one or more registered global securities will be issued in a denomination or aggregate denominations equal to the portion of the aggregate principal or face amount of the securities to be represented by registered global securities. Unless and until it is exchanged in whole for securities in definitive registered form, a registered global security may not be transferred except as a whole by and among the depositary for the registered global security, the nominees of the depositary or any successors of the depositary or those nominees.

If not described below, any specific terms of the depositary arrangement with respect to any securities to be represented by a registered global security will be described in the prospectus supplement relating to those securities. We anticipate that the following provisions will apply to all depositary arrangements.

Ownership of beneficial interests in a registered global security will be limited to persons, called participants, that have accounts with the depositary or persons that may hold interests through participants. Upon the issuance of a registered global security, the depositary will credit, on its book-entry registration and transfer system, the participants' accounts with the respective principal or face amounts of the securities beneficially owned by the participants. Any dealers, underwriters or agents participating in the distribution of the securities will designate the accounts to be credited. Ownership of beneficial interests in a registered global security will be shown on, and the transfer of ownership interests will be effected only through, records maintained by the depositary, with respect to interests of participants, and on the records of participants, with respect to interests of persons holding through participants.

So long as the depositary, or its nominee, is the registered owner of a registered global security, that depositary or its nominee, as the case may be, will be considered the sole owner or holder of the securities represented by the registered global security for all purposes under the applicable indenture, warrant agreement or unit agreement. Except as described below, owners of beneficial interests in a registered global security will not be entitled to have the securities represented by the registered global security registered in their names, will not receive or be entitled to receive physical delivery of the securities in definitive form and will not be considered the owners or holders of the securities under the applicable indenture, warrant agreement or unit agreement. Accordingly, each person owning a beneficial interest in a registered global security must rely on the procedures of the depositary for that registered global security and, if that person is not a participant, on the procedures of the participant through which the person owns its interest, to exercise any rights of a holder under the applicable indenture, warrant agreement or unit agreement. We understand that under existing industry practices, if we request any action of holders or if an owner of a beneficial interest in a registered global security desires to give or take any action that a holder is entitled to give or take under the applicable indenture, warrant agreement or unit agreement, the depositary for the registered global security would authorize the participants

## [Table of Contents](#)

holding the relevant beneficial interests to give or take that action, and the participants would authorize beneficial owners owning through them to give or take that action or would otherwise act upon the instructions of beneficial owners holding through them.

Principal, premium, if any, and interest payments on debt securities, and any payments to holders with respect to warrants or units, represented by a registered global security registered in the name of a depository or its nominee will be made to the depository or its nominee, as the case may be, as the registered owner of the registered global security. None of Texas Instruments, the trustee, any warrant agent, unit agent or any other agent of Texas Instruments, agent of the trustee or agent of such warrant agent or unit agent will have any responsibility or liability for any aspect of the records relating to payments made on account of beneficial ownership interests in the registered global security or for maintaining, supervising or reviewing any records relating to those beneficial ownership interests.

We expect that the depository for any of the securities represented by a registered global security, upon receipt of any payment of principal, premium, interest or other distribution of underlying securities or other property to holders on that registered global security, will immediately credit participants' accounts in amounts proportionate to their respective beneficial interests in that registered global security as shown on the records of the depository. We also expect that payments by participants to owners of beneficial interests in a registered global security held through participants will be governed by standing customer instructions and customary practices, as is now the case with the securities held for the accounts of customers in bearer form or registered in "street name," and will be the responsibility of those participants.

If the depository for any of these securities represented by a registered global security is at any time unwilling or unable to continue as depository or ceases to be a clearing agency registered under the Exchange Act, and a successor depository registered as a clearing agency under the Exchange Act is not appointed by us within 90 days, we will issue securities in definitive form in exchange for the registered global security that had been held by the depository. Any securities issued in definitive form in exchange for a registered global security will be registered in the name or names that the depository gives to the relevant trustee, warrant agent, unit agent or other relevant agent of ours or theirs. It is expected that the depository's instructions will be based upon directions received by the depository from participants with respect to ownership of beneficial interests in the registered global security that had been held by the depository.

## PLAN OF DISTRIBUTION

We or selling security holders may sell the securities being offered hereby in the following manner or any manner specified in a prospectus supplement:

- directly to purchasers;
- through agents;
- through underwriters; and
- through dealers.

If any securities are sold pursuant to this prospectus by any persons other than us, we will, in a prospectus supplement, name the selling security holders, indicate the nature of any relationship such holders have had to us or any of our affiliates during the three years preceding such offering, state the amount of securities of the class owned by such security holder prior to the offering and the amount to be offered for the security holder's account, and state the amount and (if one percent or more) the percentage of the class to be owned by such security holder after completion of the offering.

We or any selling security holder may directly solicit offers to purchase securities, or agents may be designated to solicit such offers. We will, in the prospectus supplement relating to such offering, name any agent that could be viewed as an underwriter under the Securities Act of 1933, as amended (the "Securities Act"), and describe any commissions that we or any selling security holder must pay. Any such agent will be acting on a best efforts basis for the period of its appointment or, if indicated in the applicable prospectus supplement, on a firm commitment basis. Agents, dealers and underwriters may be customers of, engage in transactions with, or perform services for us in the ordinary course of business.

If any underwriters or agents are utilized in the sale of the securities in respect of which this prospectus is delivered, we and, if applicable, any selling security holder will enter into an underwriting agreement or other agreement with them at the time of sale to them, and we will set forth in the prospectus supplement relating to such offering the names of the underwriters or agents and the terms of the related agreement with them.

If a dealer is utilized in the sale of the securities in respect of which the prospectus is delivered, we will sell such securities to the dealer, as principal. The dealer may then resell such securities to the public at varying prices to be determined by such dealer at the time of resale.

Remarketing firms, agents, underwriters and dealers may be entitled under agreements which they may enter into with us to indemnification by us and by any selling security holder against certain civil liabilities, including liabilities under the Securities Act, and may be customers of, engage in transactions with or perform services for us in the ordinary course of business.

In order to facilitate the offering of the securities, any underwriters may engage in transactions that stabilize, maintain or otherwise affect the price of the securities or any other securities the prices of which may be used to determine payments on such securities. Specifically, any underwriters may overallocate in connection with the offering, creating a short position for their own accounts. In addition, to cover overallocations or to stabilize the price of the securities or of any such other securities, the underwriters may bid for, and purchase, the securities or any such other securities in the open market. Finally, in any offering of the securities through a syndicate of underwriters, the underwriting syndicate may reclaim selling concessions allowed to an underwriter or a dealer for distributing the securities in the offering if the syndicate repurchases previously distributed securities in transactions to cover syndicate short positions, in stabilization transactions or otherwise. Any of these activities may stabilize or maintain the market price of the securities above independent market levels. Any such underwriters are not required to engage in these activities and may end any of these activities at any time.

Any underwriter, agent or dealer utilized in the initial offering of securities will not confirm sales to accounts over which it exercises discretionary authority without the prior specific written approval of its customer.

**VALIDITY OF SECURITIES**

The validity of the securities in respect of which this prospectus is being delivered will be passed on for us by Davis Polk & Wardwell LLP.

**EXPERTS**

Ernst & Young LLP, independent registered public accounting firm, has audited our consolidated financial statements included in our Annual Report on Form 10-K for the year ended December 31, 2018, and the effectiveness of our internal control over financial reporting as of December 31, 2018, as set forth in their reports, which are incorporated by reference into this prospectus and elsewhere in the registration statement. Our financial statements and our management's assessment of the effectiveness of internal control over financial reporting as of December 31, 2018, are incorporated by reference in reliance on Ernst & Young LLP's reports, given on their authority as experts in accounting and auditing.



**PART II****INFORMATION NOT REQUIRED IN PROSPECTUS****Item 14. Other Expenses of Issuance and Distribution**

The following table sets forth the estimated costs and expenses payable by the Registrant in connection with the sale of the securities being registered hereby.

	<b>Amount to be Paid</b>
Registration fee	\$ *
Printing	**
Legal fees and expenses (including Blue Sky fees)	**
Rating agency fees	**
Accounting fees and expenses	**
Miscellaneous	**
<b>TOTAL</b>	<b>\$ **</b>

\* Omitted because the registration fee is being deferred pursuant to Rule 456(b).

\*\* These fees and expenses depend on the securities offered and the number of issuances, and accordingly cannot be estimated at this time.

**Item 15. Indemnification of Directors and Officers**

Section 145 of the Delaware General Corporation Law provides that a corporation may indemnify directors and officers as well as other employees and individuals against expenses (including attorneys' fees), judgments, fines and amounts paid in settlement actually and reasonably incurred by such person in connection with any threatened, pending or completed actions, suits or proceedings in which such person is made a party by reason of such person being or having been a director, officer, employee or agent to the Registrant. The Delaware General Corporation Law provides that Section 145 is not exclusive of other rights to which those seeking indemnification may be entitled under any bylaw, agreement, vote of stockholders or disinterested directors or otherwise. Article VI of the Registrant's By-Laws provides for indemnification by the Registrant of its directors, officers and employees to the fullest extent permitted by the Delaware General Corporation Law.

Section 102(b)(7) of the Delaware General Corporation Law permits a corporation to provide in its certificate of incorporation that a director of the corporation shall not be personally liable to the corporation or its stockholders for monetary damages for breach of fiduciary duty as a director, except for liability (i) for any breach of the director's duty of loyalty to the corporation or its stockholders, (ii) for acts or omissions not in good faith or which involve intentional misconduct or a knowing violation of law, (iii) for unlawful payments of dividends or unlawful stock repurchases, redemptions or other distributions, or (iv) for any transaction from which the director derived an improper personal benefit. Article Seventh of the Restated Certificate of Incorporation provides that a director shall not be liable to the Company or its stockholders for monetary damages for breach of fiduciary duty as a director, except to the extent such exemption from liability or limitation thereof is not permitted under the General Corporation Law of the State of Delaware.

The Registrant maintains standard policies of insurance under which coverage is provided (a) to its directors and officers against loss rising from claims made by reason of breach of duty or other wrongful act, and (b) to the Registrant with respect to payments which may be made by the Registrant to such officers and directors pursuant to the above indemnification provision or otherwise as a matter of law.

The proposed form of Underwriting Agreement filed as Exhibit 1.1 to this Registration Statement provides for indemnification of directors and officers of the Registrant by the underwriters against certain liabilities.

## Table of Contents

### **Item 16. Exhibits**

(a) The following exhibits are filed as part of this Registration Statement:

<u>Exhibit No.</u>	<u>Document</u>
1.1	<a href="#">Form of Underwriting Agreement</a>
3.1	<a href="#">Restated Certificate of Incorporation of the Registrant, dated April 18, 1985, as amended (incorporated by reference to Exhibit 3(a) of the Registrant's Annual Report on Form 10-K for the year ended December 31, 2014)</a>
3.2	<a href="#">By-Laws of the Registrant (incorporated by reference to Exhibit 3 to the Registrant's Current Report on Form 8-K filed December 12, 2016)</a>
4.1	Specimen Common Stock Certificate*
4.2	Specimen Preferred Stock Certificate*
4.3	<a href="#">Indenture dated as of May 23, 2011 between Texas Instruments Incorporated, a Delaware corporation, as Issuer and U.S. Bank National Association, a National Association, as Trustee (incorporated by reference to Exhibit 4.2 to the Registrant's Current Report on Form 8-K filed May 23, 2011)</a>
4.4	<a href="#">Form of Note (included in Exhibit 4.3)</a>
4.5	Form of Warrant Agreement*
4.6	Form of Unit Agreement*
5.1	<a href="#">Opinion of Davis Polk &amp; Wardwell LLP</a>
23.1	<a href="#">Consent of Ernst &amp; Young LLP</a>
23.2	<a href="#">Consent of Davis Polk &amp; Wardwell LLP (included in Exhibit 5.1)</a>
24.1	<a href="#">Power of Attorney (included on the signature page of the Registration Statement)</a>
25.1	<a href="#">Statement of Eligibility on Form T-1 of U.S. Bank National Association</a>

\* To be filed by amendment.

### **Item 17. Undertakings**

(a) The undersigned Registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made of securities registered hereby, a post-effective amendment to this registration statement:

(i) To include any prospectus required by Section 10(a)(3) of the Securities Act of 1933;

(ii) To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Securities and Exchange Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20 percent change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement;

## [Table of Contents](#)

(iii) To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement;

*provided, however,* that paragraphs (i), (ii) and (iii) above do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in periodic reports filed with or furnished to the Securities and Exchange Commission by the registrant pursuant to Section 13 or Section 15(d) of the Securities Exchange Act of 1934 that are incorporated by reference in this registration statement, or is contained in a form of prospectus filed pursuant to Rule 424(b) that is part of the registration statement.

(2) That, for the purpose of determining any liability under the Securities Act of 1933, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered herein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(4) That, for the purpose of determining liability under the Securities Act of 1933 to any purchaser:

(A) Each prospectus filed by the registrant pursuant to Rule 424(b)(3) shall be deemed to be part of the registration statement as of the date the filed prospectus was deemed part of and included in the registration statement; and

(B) Each prospectus required to be filed pursuant to Rule 424(b)(2), (b)(5), or (b)(7) as part of a registration statement in reliance on Rule 430B relating to an offering made pursuant to Rule 415(a)(1)(i), (vii), or (x) for the purpose of providing the information required by Section 10(a) of the Securities Act of 1933 shall be deemed to be part of and included in the registration statement as of the earlier of the date such form of prospectus is first used after effectiveness or the date of the first contract of sale of securities in the offering described in the prospectus. As provided in Rule 430B, for liability purposes of the issuer and any person that is at that date an underwriter, such date shall be deemed to be a new effective date of the registration statement relating to the securities in the registration statement to which that prospectus relates, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof. *Provided, however,* that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such effective date, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such effective date.

(5) That, for the purpose of determining liability of the registrant under the Securities Act of 1933 to any purchaser in the initial distribution of the securities, the undersigned registrant undertakes that in a primary offering of securities of the undersigned registrant pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:

(i) Any preliminary prospectus or prospectus of the undersigned registrant relating to the offering required to be filed pursuant to Rule 424;

(ii) Any free writing prospectus relating to the offering prepared by or on behalf of the undersigned registrant or used or referred to by the undersigned registrant;

## Table of Contents

(iii) The portion of any other free writing prospectus relating to the offering containing material information about the undersigned registrant or its securities provided by or on behalf of the undersigned registrant; and

(iv) Any other communication that is an offer in the offering made by the undersigned registrant to the purchaser.

- (b) The undersigned Registrant hereby undertakes that, for purposes of determining any liability under the Securities Act of 1933, each filing of the registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Securities Exchange Act of 1934) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.
- (c) Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the registrants pursuant to the foregoing provisions, or otherwise, the registrants have been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrants will, unless in the opinion of their counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Act and will be governed by the final adjudication of such issue.

**SIGNATURES**

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Dallas, State of Texas, as of February 22, 2019.

TEXAS INSTRUMENTS INCORPORATED

By: /s/ Rafael R. Lizardi  
Rafael R. Lizardi  
Senior Vice President, Chief Financial Officer and  
Chief Accounting Officer

KNOW ALL MEN BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Richard K. Templeton, Rafael R. Lizardi and Cynthia Hoff Trochu, and each of them, his or her true and lawful attorneys-in-fact and agents, with full power of substitution and resubstitution, for him or her and in his or her name, place and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments) to this registration statement and to file the same, with all exhibits thereto, and all other documents in connection therewith, with the Securities and Exchange Commission, granting unto each said attorney-in-fact and agent full power and authority to do and perform each and every act in person, hereby ratifying and confirming all that said attorneys-in-fact and agents or either of them or their or his or her substitute or substitutes may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons in the capacities and as of the dates indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Richard K. Templeton</u> Richard K. Templeton	Director, Chairman of the Board, President and Chief Executive Officer	February 22, 2019
<u>/s/ Rafael R. Lizardi</u> Rafael R. Lizardi	Senior Vice President, Chief Financial Officer and Chief Accounting Officer	February 22, 2019
<u>/s/ Ralph W. Babb, Jr.</u> Ralph W. Babb, Jr.	Director	February 22, 2019
<u>/s/ Mark A. Blinn</u> Mark A. Blinn	Director	February 22, 2019
<u>/s/ Todd M. Bluedorn</u> Todd M. Bluedorn	Director	February 22, 2019
<u>/s/ Daniel A. Carp</u> Daniel A. Carp	Director	February 22, 2019
<u>/s/ Janet F. Clark</u> Janet F. Clark	Director	February 22, 2019
<u>/s/ Carrie S. Cox</u> Carrie S. Cox	Director	February 22, 2019

[Table of Contents](#)

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Martin S. Craighead</u> Martin S. Craighead	Director	February 22, 2019
<u>/s/ Jean M. Hobby</u> Jean M. Hobby	Director	February 22, 2019
<u>/s/ Ronald Kirk</u> Ronald Kirk	Director	February 22, 2019
<u>/s/ Pamela H. Patsley</u> Pamela H. Patsley	Director	February 22, 2019
<u>/s/ Robert E. Sanchez</u> Robert E. Sanchez	Director	February 22, 2019

## UNDERWRITING AGREEMENT

, 20

Texas Instruments Incorporated  
 12500 TI Boulevard  
 Dallas, Texas 75243

Dear Sirs:

We (the “**Underwriters**”) understand that Texas Instruments Incorporated, a Delaware corporation (the “**Company**”), proposes to issue and sell the [indicate number/principal amount of each type of security to be sold] (the “**Offered Securities**”) identified in Schedule I hereto, as more fully described in the Time of Sale Prospectus.

*Include the following paragraphs if issuing Debt Securities, Warrants or Units, as applicable:*

[The Offered Securities will be issued pursuant to an Indenture dated as of May 23, 2011, between the Company and U.S. Bank National Association, as trustee.]

[The Offered Securities will be issued pursuant to [an/the] Warrant Agreement (the “**Warrant Agreement**”) [to be] dated as of [•] between the Company and [•], as Warrant Agent.]

[The Offered Securities will be issued pursuant to [an/the] Unit Agreement (the “**Unit Agreement**”) [to be] dated as of [•] among the Company, [•], as Unit Agent, and the holders from time to time of the Units. [The Debt Securities included in the Offered Securities will be issued pursuant to an Indenture dated as of [•] between the Company and U.S. Bank National Association, as trustee.] [The Warrants included in the Offered Securities will be issued pursuant to a Warrant Agreement (the “**Warrant Agreement**”) dated as of [•] between the Company and [•], as Warrant Agent.]]

Subject to the terms and conditions set forth herein or incorporated by reference herein, the Company agrees to sell and the Underwriters agree to purchase, severally and not jointly, at the [respective] purchase price[s] set forth in Schedule I hereto, the [number/principal amount] of the Offered Securities set forth opposite their respective names in Schedule II hereto. For purposes of this Agreement, “**Applicable Time**” means [•] [A.M./P.M.] (New York time) on the date hereof.

Payment of the purchase price for the Offered Securities shall be made to the Company by Federal funds wire transfer against delivery of the Offered Securities in book-entry form to the Manager through the facilities of The Depository Trust Company for the respective accounts of the Underwriters. Such payment and delivery and all documents with respect to the purchase of the Offered Securities shall be delivered by the parties at the offices of counsel for the Underwriters, [•] at 10:00 A.M. (New York time) on [•] or at such other time, not later than [•] as shall be designated by the Manager.

All the provisions contained in the document entitled Texas Instruments Incorporated Underwriting Agreement Standard Provisions dated February 22, 2019 (the “**Standard Provisions**”), a copy of which is attached hereto, are herein incorporated by reference in their entirety and shall be deemed to be a part of this Agreement to the same extent as if such provisions had been set forth in full herein, except that (i) if any term defined in the Standard Provisions is otherwise defined herein, the definition set forth herein shall control, (ii) all references in the Standard Provisions to a type of security that is not an Offered Security and the related representations, warranties, opinions given or to be given in respect thereof and the related covenants, conditions and other obligations relating thereto shall not be deemed to be a part of this Agreement, (iii) all references in the Standard Provisions to a type of agreement that has not been entered into in connection with the transactions contemplated hereby shall not be deemed to be a part of this Agreement and (iv) the term “**Manager**,” as used therein, shall, for purposes of this Agreement, mean [ ] [and [ ]], whose authority hereunder may be exercised by them jointly or by [ ] alone].

Please confirm your agreement by having an authorized officer sign a copy of this Agreement in the space set forth below. This Agreement may be signed in any number of counterparts with the same effect as if the signatures thereto and hereto were upon the same instrument.

Very truly yours,

On behalf of themselves and the several  
Underwriters listed in Schedule II hereto

By: \_\_\_\_\_

Name:

Title:

Accepted as of the date written above:

TEXAS INSTRUMENTS INCORPORATED

By: \_\_\_\_\_

Name:

Title:



---

**SCHEDULE I  
TO UNDERWRITING AGREEMENT  
(COMMON STOCK)**

Purchase Price per Share:

Price to the Public per Share:

Number of Firm Securities:

Number of Additional Securities:

**SCHEDULE I  
TO UNDERWRITING AGREEMENT  
(PREFERRED STOCK)**

Purchase Price per Share:

Price to the Public per Share:

Number of Firm Securities:

Number of Additional Securities:

Redemption Provisions:

Conversion Provisions:

Exchange Provisions:

Other Terms:

**SCHEDULE I  
TO UNDERWRITING AGREEMENT  
(DEBT SECURITIES)**

Title:

Principal Amount: \$

Principal Amount Subject to Overallotment Option: \$

Purchase Price: \$[ ] per [\$1,000] principal amount (plus accrued interest from [ ])

Price to the Public: \$[ ] per [\$1,000] principal amount (plus accrued interest from [ ])

Maturity Date:

Interest Rate:

Redemption Provisions:

Interest Payment Dates: [ ] and [ ], commencing [ ] (Interest accrues from [ ])

Form and Denomination:

Ranking:

Conversion Provisions:

Other Terms:

**SCHEDULE I  
TO UNDERWRITING AGREEMENT  
(WARRANTS)**

Designation of the Series of Warrants: [Call] [Put] Warrants

Warrant Property:

Aggregate Number of Warrants:

Purchase Price per Warrant:

Price to the Public per Warrant:

Warrant Exercise Price:

Dates upon which Warrants may be exercised:

Expiration Date:

Form:

Currency in which exercise payments shall be made:

Minimum number of Warrants exercisable by any holder on any day:

Maximum number of Warrants exercisable on any day:

Formula for determining Cash Settlement Value:

Exchange Rate (or method of calculation):

Exchange on which Warrants are to be listed:

**SCHEDULE I  
TO UNDERWRITING AGREEMENT  
(UNITS)**

Purchase Price per Unit:

Price to the Public per Unit:

Terms of Debt Securities included in Units

Title:

Principal Amount included per Unit: \$[            ]

Maturity Date:

Interest Rate:

Redemption Provisions:

Interest Payment Dates: [            ] and [            ], commencing [            ] (Interest accrues from [            ])

Form and Denomination:

Ranking:

Conversion Provisions:

Other Terms:

Terms of Warrants included in Units

Designation of the Series of Warrants: [Call] [Put] Warrants

Warrant Property:

Aggregate Number of Warrants per Unit:

Warrant Exercise Price:

Dates upon which Warrants may be exercised:

Expiration Date:

Form:

Currency in which exercise payments shall be made:

Minimum number of Warrants exercisable by any holder on any day:

Maximum number of Warrants exercisable on any day:

Formula for determining Cash Settlement Value:

Exchange Rate (or method of calculation):

Exchange on which Warrants are to be listed:

**SCHEDULE II  
TO UNDERWRITING AGREEMENT**

Underwriter

[Number/Principal Amount of Offered  
Securities to be Purchased]

---

**SCHEDULE III  
TO UNDERWRITING AGREEMENT**

[Term sheet reflecting the terms on Schedule I or , if there is no term sheet, orally conveyed pricing information]

[List any other free writing prospectus to be included in the Time of Sale Prospectus]

---

**SCHEDULE IV  
TO UNDERWRITING AGREEMENT**

[Insert the information provided by the Underwriter expressly for use in the offering documents pursuant to the second paragraph under Article VI of the Underwriting Agreement.]



**Texas Instruments Incorporated Underwriting Agreement  
Standard Provisions**

February 22, 2019

From time to time, Texas Instruments Incorporated, a Delaware corporation, may enter into one or more underwriting agreements that provide for the sale of designated securities to the several underwriters named therein. The standard provisions set forth herein may be incorporated by reference in any such underwriting agreement (an “**Underwriting Agreement**”). The Underwriting Agreement, including the provisions incorporated therein by reference, is herein referred to as this “**Agreement**”. Unless otherwise defined herein, terms defined in the Underwriting Agreement are used herein as therein defined.

From time to time in one or more offerings on terms determined at the time of sale, the Company proposes to issue and sell (a) its common stock, \$1.00 par value per share (the “**Common Stock**”), (b) its preferred stock, \$25.00 par value per share (the “**Preferred Stock**”), (c) certain of its debt securities (the “**Debt Securities**”) issuable under an indenture (the “**Indenture**”) entered into by the Company and U.S. Bank National Association, as trustee (the “**Trustee**”), (d) warrants to purchase Common Stock, Preferred Stock or Debt Securities (“**Warrants**”), and (e) units consisting of Common Stock, Preferred Stock, Debt Securities or Warrants or any combination thereof (“**Units**”). The Common Stock, Preferred Stock, Debt Securities, Warrants and Units are each referred to as “**Securities**” for the purposes of this Agreement.

The Company has filed with the Securities and Exchange Commission (the “**Commission**”) a registration statement including a prospectus relating to the Securities and has filed with, or transmitted for filing to, or shall promptly after the date of this Agreement file with or transmit for filing to, the Commission a prospectus supplement (the “**Prospectus Supplement**”) specifically relating to the Securities listed on Schedule I hereto (the “**Offered Securities**”) pursuant to Rule 424 under the Securities Act of 1933, as amended (the “**Securities Act**”). The term “**Registration Statement**” means the registration statement, including the exhibits thereto and any additional registration statement filed by the Company pursuant to Rule 462, as amended to the date of the Underwriting Agreement, including the information, if any, deemed to be part of the registration statement at the time of effectiveness pursuant to Rule 430A or Rule 430B under the Securities Act. The term “**Base Prospectus**” means the prospectus included in the Registration Statement. The term “**Prospectus**” means the Base Prospectus together with the Prospectus Supplement or supplements specifically relating to the Offered Securities, as filed with, or transmitted for filing to, the Commission pursuant to Rule 424. The term “**preliminary prospectus**” means a preliminary prospectus supplement specifically relating to the Offered Securities, together with the Base Prospectus. The term “**free writing prospectus**” has the meaning set forth in Rule 405 under the Securities Act. The term “**issuer free writing prospectus**” has the meaning set forth in Rule 433 under the Securities Act. The term “**Time of Sale Prospectus**” means the Base Prospectus and preliminary prospectus, if any, together with any additional documents or other information identified in Schedule III to the Underwriting Agreement. As used herein, the terms “Registration Statement,” “Base Prospectus,” “Prospectus,” “preliminary prospectus” and “Time of Sale Prospectus” shall include in each case the documents, if any, incorporated by reference therein. The terms “supplement,” “amendment” and “amend” as used herein shall include all documents deemed to be incorporated by reference in the Prospectus that are filed subsequent to the date of the Base Prospectus by the Company with the Commission pursuant to the Securities Exchange Act of 1934, as amended (the “**Exchange Act**”). As used herein, the term “**Applicable Time**” means the time and date set forth in the Underwriting Agreement or such other time as agreed in writing by the Company and the Manager.

**I.**

The Company is advised by the Manager that the Underwriters propose to make a public offering of their respective portions of the Offered Securities as soon after this Agreement is entered into as in the Manager’s judgment is advisable. The terms of the public offering of the Offered Securities are set forth in the Prospectus.

## II.

Payment for the Offered Securities shall be made to the Company by Federal funds wire transfer at the time and place set forth in the Underwriting Agreement, upon delivery to the Manager for the respective accounts of the several Underwriters of the Offered Securities registered in such names and in such denominations as the Manager shall request in writing by the time specified in the Underwriting Agreement. The time and date of such payment and delivery with respect to the Offered Securities are herein referred to as the Closing Date.

## III.

The several obligations of the Underwriters hereunder are subject to the following conditions:

(a) No stop order suspending the effectiveness of the Registration Statement shall be in effect, and no proceedings for such purpose shall be pending before or threatened by the Commission and there shall have been no material adverse change (not in the ordinary course of business), in the condition of the Company and its consolidated subsidiaries, taken as a whole, from that set forth in or contemplated by the Time of Sale Prospectus; and the Manager shall have received, on the Closing Date, a certificate, dated the Closing Date and signed by an executive officer of the Company, to the foregoing effect. Such certificate will also provide (i) that the representations and warranties of the Company contained herein are true and correct as of the Closing Date and (ii) that the Company has complied with all agreements and satisfied all conditions on its part to be performed or satisfied hereunder at or prior to the Closing Date. The officer making such certificate may rely upon the best of his knowledge as to proceedings pending or threatened.

(b) The Manager shall have received on the Closing Date an opinion of the general counsel of the Company (or another lawyer of the Company reasonably satisfactory to the Underwriters), dated the Closing Date, to the effect (as applicable) that:

(i) The Company has been duly incorporated and is validly existing as a corporation in good standing under the laws of the State of Delaware.

(ii) The Company is duly qualified to transact business and in good standing in each other state of the United States wherein it owns or leases property or conducts business, which requires such qualification, except to the extent that the failure to be so qualified or in good standing would not have a material adverse effect on the Company and its subsidiaries, considered as a whole.

(iii) To such counsel's knowledge, no proceedings for a stop order are pending or threatened by the Commission with respect to the Registration Statement.

(iv) The execution and delivery by the Company of this Agreement and, as applicable, the Indenture, the Offered Securities, the Warrant Agreement and the Unit Agreement (each, a "**Transaction Document**") and the performance by the Company of its obligations thereunder will not conflict with, constitute a default under or violate:

(A) any of the terms, conditions or provisions of the Certificate of Incorporation or by-laws of the Company; or

(B) any of the terms, conditions or provisions of any agreement or other instrument binding upon the Company that is filed as an exhibit to the Registration Statement or to any document incorporated by reference into the Time of Sale Prospectus, except to the extent that the conflict, default or violation will not have a material adverse effect on the Company and its subsidiaries, considered as a whole.

(v) To such counsel's knowledge, no consent, approval or authorization of or filing with any governmental body or agency is required for the performance by the Company of its obligations under this Agreement or the applicable Transaction Documents, except such as are specified and have been obtained and such as may be required by the securities or Blue Sky laws of the various states in connection with the offer and sale of the Offered Securities by the Underwriters.

(vi) To such counsel's knowledge, there is no action, suit or formal proceeding pending or threatened against the Company or any of its subsidiaries before any court or arbitrator or any governmental body or agency or to which any of the properties of the Company or any of its subsidiaries is subject that are required to be described in the Registration Statement or the Time of Sale Prospectus and are not so described or of any contract or other document that is required to be described in the Registration Statement or the Time of Sale Prospectus or to be filed as an exhibit to the Registration Statement that is not described or filed as required.

(vii) In the opinion of such counsel each document filed pursuant to the Exchange Act and incorporated by reference in the Registration Statement and the Prospectus (except for the financial statements and financial schedules and other financial and statistical data included therein, as to which such counsel need not express any opinion) appeared on its face to be appropriately responsive as of its filing date in all material respects to the requirements of the Exchange Act and the applicable rules and regulations of the Commission thereunder.

(viii) Nothing has come to the attention of such counsel that causes such counsel to believe that, insofar as relevant to the offering of the Offered Securities:

(A) the Registration Statement as of the date the Registration Statement or any amendment (or any part thereof) is considered to have become effective as to the Underwriters pursuant to Section 11(d) of the Securities Act and Rule 430B(f) promulgated thereunder (except for the financial statements and financial schedules and other financial and statistical data included therein and except for that part of the Registration Statement that constitutes the Form T-1, as to which such counsel need not express any belief), contained any untrue statement of a material fact or omitted to state a material fact required to be stated therein or necessary to make the statements therein not misleading;

(B) the Registration Statement or any amendment thereto (except for the financial statements and financial schedules and other financial and statistical data included therein and except for that part of the Registration Statement that constitutes the Form T-1, as to which such counsel need not express any belief) as of the date of this Agreement contained any untrue statement of a material fact or omitted to state a material fact required to be stated therein or necessary to make the statements therein not misleading;

(C) the Time of Sale Prospectus (except for the financial statements and financial schedules and other financial and statistical data included therein, as to which such counsel need not express any belief) as of the Applicable Time contained any untrue statement of a material fact or omitted to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading; or

(D) the Prospectus (except for the financial statements and financial schedules and other financial and statistical data included therein, as to which such counsel need not express any belief) at the date of this Agreement or as amended or supplemented, if applicable, as of the Closing Date contains any untrue statement of a material fact or omits to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading.

(c) The Manager shall have received on the Closing Date an opinion of Davis Polk & Wardwell LLP, special outside counsel to the Company, dated the Closing Date, to the effect (as applicable) that:

(i) If shares of Common Stock or Preferred Stock are Offered Securities, such shares have been duly authorized and, when issued and delivered in accordance with the terms of this Agreement, will be validly issued, fully paid and non-assessable, and the issuance of such shares will not be subject to any preemptive or similar rights.

(ii) If Debt Securities are Offered Securities:

(A) such Debt Securities have been duly authorized and, when executed and authenticated in accordance with the provisions of the Indenture and delivered to and paid for by the Underwriters pursuant to this Agreement, will be valid and binding obligations of the Company enforceable in accordance with their terms, subject to applicable bankruptcy, insolvency and similar laws

affecting creditors' rights generally, concepts of reasonableness and equitable principles of general applicability (collectively, the "Enforceability Exceptions"), provided that such counsel need not express any opinion as to the validity, legally binding effect or enforceability of any provision that permits holders to collect any portion of stated principal amount upon acceleration of such securities to the extent determined to constitute unearned interest;

(B) the Indenture has been duly authorized, executed and delivered by the Company and is a valid and binding agreement of the Company enforceable in accordance with its terms, subject to the Enforceability Exceptions; and

(C) the Indenture has been duly qualified under the Trust Indenture Act of 1939.

(iii) If Warrants are Offered Securities:

(A) such Warrants have been duly authorized and, when executed and delivered in accordance with the provisions of the Warrant Agreement and delivered to and paid for by the Underwriters in accordance with the terms of this Agreement, such Warrants will be valid and binding obligations of the Company, enforceable in accordance with their terms, subject to the Enforceability Exceptions; and

(B) the Warrant Agreement has been duly authorized, executed and delivered by, and is a valid and binding agreement of, the Company, enforceable in accordance with its terms, subject to the Enforceability Exceptions.

(iv) If Units are Offered Securities:

(A) such Units have been duly authorized and, when executed and delivered in accordance with the provisions of the Unit Agreement and delivered to and paid for by the Underwriters in accordance with the terms of this Agreement, such Units will be valid and binding obligations of the Company, enforceable in accordance with their terms, subject to the Enforceability Exceptions; and

(B) the Unit Agreement has been duly authorized, executed and delivered by, and is a valid and binding agreement of, the Company, enforceable in accordance with its terms, subject to the Enforceability Exceptions.

(v) This Agreement has been duly authorized, executed and delivered by the Company.

(vi) The statements included in the Time of Sale Prospectus and the Prospectus under the captions "Description of Capital Stock," "Description of Debt Securities," "Description of Warrants," and "Description of Units," as applicable, insofar as they summarize provisions of the Offered Securities, fairly summarize such provisions in all material respects.

(vii) The statements included in the Time of Sale Prospectus and the Prospectus under the captions "Material U.S. Federal Income Tax Consequences" and "Underwriting" relating to legal matters fairly summarize such matters in all material respects.

(viii) In the case of Offered Securities that are convertible into or exercisable or exchangeable for other Securities (the "Underlying Securities"), the Underlying Securities have been duly authorized and reserved for issuance.

(ix) When the Underlying Securities are issued upon conversion, exercise or exchange of the Offered Securities in accordance with the terms of the Offered Securities or any applicable Transaction Document, such Underlying Securities will be validly issued, fully paid and non-assessable and will not be subject to any preemptive or other right to subscribe for or purchase such Underlying Securities.

(x) The Company is not, and after giving effect to the offering and sale of the Offered Securities and the application of the proceeds thereof as described in each of the Registration Statement, Time of Sale Information and the Prospectus, the Company will not, be required to register as an "investment company" as such term is defined in the Investment Company Act of 1940, as amended.

(xi) In the opinion of such counsel the Registration Statement and the Prospectus (except for the financial statements and financial schedules and other financial and statistical data included therein and except for that part of the Registration Statement that constitutes the Form T-1, as to which such counsel need not express any opinion) appear on their face to be appropriately responsive in all material respects to the requirements of the Securities Act and the applicable rules and regulations of the Commission thereunder.

(xii) Nothing has come to the attention of such counsel that causes such counsel to believe that, insofar as relevant to the offering of the Offered Securities:

(A) the Registration Statement as of the date the Registration Statement or any amendment (or any part thereof) is considered to have become effective as to the Underwriters pursuant to Section 11(d) of the Securities Act and Rule 430B(f) promulgated thereunder or as of the date of this Agreement (in each case except for the financial statements and financial schedules and other financial and statistical data included therein and except for that part of the Registration Statement that constitutes the Form T-1, as to which such counsel need not express any belief), contained any untrue statement of a material fact or omitted to state a material fact required to be stated therein or necessary to make the statements therein not misleading;

(B) the Time of Sale Prospectus (except for the financial statements and financial schedules and other financial and statistical data included therein, as to which such counsel need not express any belief) as of the Applicable Time contained any untrue statement of a material fact or omitted to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading; or

(C) the Prospectus (except for the financial statements and financial schedules and other financial and statistical data included therein, as to which such counsel need not express any belief) at the date of this Agreement or as amended or supplemented, if applicable, as of the Closing Date contained or contains any untrue statement of a material fact or omitted or omits to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading.

(xiii) The execution, delivery and performance by the Company of this Agreement, the Indenture, and the Offered Securities will not contravene any provision of applicable law.

(d) The Manager shall have received on the Closing Date an opinion of its own counsel, in a form acceptable to the Manager, dated the Closing Date.

It is understood that the general counsel of the Company may rely as to all matters relating to the laws of the State of New York upon the opinion of Davis Polk & Wardwell LLP.

With respect to the matters set forth in (b)(vii), (b)(viii), (c)(xi) and (c)(xii) above, the general counsel of the Company and Davis Polk & Wardwell LLP may state that their belief is based upon participation by them in the preparation of the Registration Statement (excluding, in the case of Davis Polk & Wardwell LLP, any documents incorporated by reference therein), the Time of Sale Prospectus, and the Prospectus (as amended or supplemented) and review and discussion of the contents thereof (including any such incorporated documents), but is without independent check or verification, except as specified.

(e) The Manager shall have received on the date hereof and on the Closing Date a letter dated such date, in form and substance satisfactory to the Manager, from the Company's independent public accountants, containing statements and information of the type ordinarily included in accountants' "comfort letters" to underwriters with respect to the financial statements and certain financial information contained or incorporated by reference in the Registration Statement, the Time of Sale Prospectus and the Prospectus.

(f) Subsequent to the Applicable Time and prior to the Closing Date, there shall not have occurred any downgrading, nor shall any notice have been given of (i) any intended or potential downgrading or (ii) any review or possible change that, in the Manager's opinion, indicates an intended or potential downgrading in the rating accorded any of the Company's securities by any "nationally recognized statistical rating organization," as such term is defined in Section 3(a)(62) of the Exchange Act, that, in the Manager's judgment, is material and adverse.

(g) There shall not have occurred any change, or any event that is reasonably likely to cause a change, in the condition of the Company and its subsidiaries, taken as a whole, from that set forth in or contemplated in the Time of Sale Prospectus as of the date of this Agreement, that, in the Manager's judgment, is material and adverse and that makes it, in the Manager's judgment, impracticable to market the Offered Securities on the terms, in the manner and substantially at the price contemplated in the Time of Sale Prospectus.

#### IV.

In further consideration of the agreements of the Underwriters contained in this Agreement, the Company covenants as follows:

(a) To furnish the Manager, without charge, one copy of the Registration Statement, including exhibits and materials, if any, incorporated by reference therein, and, during the period mentioned in paragraph (f) below, as many copies of the Time of Sale Prospectus, the Prospectus, any documents incorporated by reference therein and any supplements and amendments thereto as the Manager may reasonably request.

(b) Before amending or supplementing the Registration Statement, the Time of Sale Prospectus or the Prospectus with respect to the Offered Securities, to furnish the Manager a copy of each such proposed amendment or supplement and not to file any such proposed amendment or supplement to which the Manager reasonably objects unless, in the Company's good faith judgment, the Company is required by law or regulation to make such filing.

(c) Before filing, using or referring to any free writing prospectus relating to the Offered Securities, to furnish the Manager a copy of each such free writing prospectus.

(d) Not to take any action that would result in an Underwriter being required to file with the Commission pursuant to Rule 433(d) under the Securities Act a free writing prospectus prepared by or on behalf of the Underwriter that the Underwriter otherwise would not have been required to file thereunder.

(e) If the Time of Sale Prospectus is being used to solicit offers to buy the Offered Securities at a time when the Prospectus is not yet available to prospective purchasers and any event shall occur as a result of which it is necessary to amend or supplement the Time of Sale Prospectus in order to make the statements therein, in the light of the circumstances existing at the time, not misleading, or if any event shall occur as a result of which any free writing prospectus included as part of the Time of Sale Prospectus conflicts with the information contained in the Registration Statement then on file, the Company shall forthwith prepare and furnish, at its expense, to the Underwriters and to the dealers (whose names and addresses the Manager will furnish to the Company), either amendments or supplements to the Time of Sale Prospectus so that the statements in the Time of Sale Prospectus as so amended or supplemented will not, in the light of the circumstances existing at the time, be misleading or so that any free writing prospectus which is included as part of the Time of Sale Prospectus, as amended or supplemented, will no longer conflict with the Registration Statement, or so that the Time of Sale Prospectus, as amended or supplemented, will comply with applicable law.

(f) If, during such period after the first date of the public offering of the Offered Securities as in the opinion of counsel for the Underwriters the Prospectus (or in lieu thereof the notice referred to in Rule 173(a) under the Securities Act) is required by law to be delivered in connection with sales by an Underwriter or dealer (the "Prospectus Delivery Period"), any event shall occur or condition exist as a result of which it is necessary to amend or supplement the Prospectus in order to make the statements therein, in the light of the circumstances when the Prospectus (or in lieu thereof the notice referred to in Rule 173(a) under the Securities Act) is delivered to a purchaser, not misleading, or if, in the opinion of counsel for the Underwriters, it is necessary to amend or supplement the Prospectus to comply with applicable law, forthwith to prepare, file with the Commission and furnish, at its own expense, to the Underwriters and to the dealers (whose names and addresses the Manager will furnish to the Company) to which Securities may have been sold by the Manager on behalf of the Underwriters and to any other dealers upon request, either amendments or supplements to the Prospectus so that the statements in the Prospectus as so amended or supplemented will not, in the light of the circumstances when the Prospectus (or in lieu thereof the notice referred to in Rule 173(a) under the Securities Act) is delivered to a purchaser, be misleading or so that the Prospectus, as amended or supplemented, will comply with applicable law.

(g) To endeavor to qualify the Offered Securities for offer and sale under the securities or Blue Sky laws of such jurisdictions as the Manager shall reasonably request and to pay all expenses (including fees and disbursements of counsel) in connection with such qualification.

(h) To make generally available to the Company's security holders as soon as practicable an earning statement covering a twelve month period beginning after the date of this Agreement, which shall satisfy the provisions of Section 11(a) of the Securities Act and the applicable rules and regulations thereunder; it being intended that the Company will satisfy the foregoing obligations by making available in the manner provided for by Rule 158 of the Securities Act copies of its annual report on Form 10-K and its current reports on Form 10-Q.

(i) If Debt Securities are Offered Securities, during the period beginning on the date of this Agreement and continuing to and including the Closing Date, not to offer, sell, contract to sell or otherwise dispose of any debt securities of the Company substantially similar to the Offered Securities (other than (i) the Offered Securities or (ii) commercial paper issued in the ordinary course of business) without the prior written consent of the Manager.

(j) Upon the request of the Manager, to prepare a final term sheet relating to the offering of the Offered Securities, containing only information that describes the final terms of the Offered Securities or the offering in a form consented to by the Manager, and to file such final term sheet within the period required by Rule 433(d)(5)(ii) under the Securities Act following the date the final terms have been established for the offering of the Offered Securities.

(k) To pay the registration fees for this offering within the time period required by Rule 456(b)(1)(i) under the Securities Act (without giving effect to the proviso therein) and in any event prior to the Closing Date.

(l) Whether or not the transactions contemplated by this Agreement are consummated or this Agreement is terminated, the Company will pay or cause to be paid all costs and expenses incident to the performance of its obligations hereunder, including without limitation, (i) the costs incident to the authorization, issuance, sale, preparation and delivery of the Securities and any taxes payable in that connection; (ii) the costs incident to the preparation, printing and filing under the Securities Act of the Registration Statement, the Preliminary Prospectus, any Issuer Free Writing Prospectus, any Time of Sale Information and the Prospectus (including all exhibits, amendments and supplements thereto) and the distribution thereof; (iii) the costs of reproducing and distributing each of the Transaction Documents; (iv) the fees and expenses of the Company's counsel and independent accountants; (v) the fees and expenses incurred in connection with the registration or qualification and determination of eligibility for investment of the Securities under the laws of such jurisdictions as the Manager may reasonably request and the preparation, printing and distribution of a Blue Sky Memorandum (including the related fees and expenses of counsel for the Underwriters); (vi) any fees charged by rating agencies for rating the Securities; (vii) the fees and expenses of the Trustee and any paying agent (including related fees and expenses of any counsel to such parties); (viii) all expenses and application fees incurred in connection with any filing with, and clearance of any offering by, the Financial Industry Regulatory Authority, Inc.; and (ix) all expenses incurred by the Company in connection with any "road show" presentation to potential investors.

(m) If this Agreement shall be terminated by the Underwriters, or any of them, because of any failure or refusal on the part of the Company to comply with the terms or to fulfill any of the conditions of this Agreement, or if for any reason the Company shall be unable to perform its obligations under this Agreement, the Company will reimburse the Underwriters or such Underwriters as have so terminated this Agreement with respect to themselves, severally, for all out-of-pocket expenses (including the fees and disbursements of their counsel) reasonably incurred by such Underwriters in connection with this Agreement or the offering of the Securities contemplated hereby.

(n) During the Prospectus Delivery Period, to notify the Manager promptly in writing (i) when any amendment to the Registration Statement has been filed or becomes effective; (ii) when any supplement to the Prospectus or any amendment to the Prospectus or any Issuer Free Writing Prospectus has been filed; (iii) of any request by the Commission for any amendment to the Registration Statement or any amendment or supplement to the Prospectus or the receipt of any comments from the Commission relating to the Registration Statement; (iv) of the issuance by the Commission of any order suspending the effectiveness of the Registration Statement or preventing or suspending the use of any Preliminary Prospectus or the Prospectus or the initiation or threatening of any proceeding for that purpose or pursuant to Section 8A of the Securities Act; (v) of the occurrence of any event within the Prospectus Delivery Period as a result of which the Prospectus, the Time of Sale Information or any Issuer Free Writing Prospectus as then amended or supplemented would include any untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary in order to make the statements therein, in the light of the circumstances existing when the Prospectus, the Time of Sale Information or any such Issuer Free Writing

Prospectus is delivered to a purchaser, not misleading; (vi) of the receipt by the Company of any notice of objection of the Commission to the use of the Registration Statement or any post-effective amendment thereto pursuant to Rule 401(g)(2) under the Securities Act and (vii) of the receipt by the Company of any notice with respect to any suspension of the qualification of the Securities for offer and sale in any jurisdiction or the initiation or threatening of any proceeding for such purpose; and the Company will use its commercially reasonable efforts to prevent the issuance of any such order suspending the effectiveness of the Registration Statement, preventing or suspending the use of any Preliminary Prospectus or the Prospectus or suspending any such qualification of the Securities and, if any such order is issued, will use its commercially reasonable efforts to obtain as soon as possible the withdrawal thereof.

## V.

The Company represents and warrants to each Underwriter as of the date of the Underwriting Agreement that:

- (a) The Registration Statement has become effective; no stop order suspending the effectiveness of the Registration Statement is in effect, and no proceedings for such purpose are pending before or threatened by the Commission. The Company is a well-known seasoned issuer (as defined in Rule 405 under the Securities Act) eligible to use the Registration Statement as an automatic shelf registration statement and the Company has not received notice that the Commission objects to the use of the Registration Statement as an automatic shelf registration statement.
- (b) Each document, if any, filed or to be filed pursuant to the Exchange Act and incorporated by reference in the Time of Sale Prospectus or the Prospectus complied or will comply when so filed in all material respects with the Exchange Act and the applicable rules and regulations of the Commission thereunder, (i) each part of the Registration Statement, when such part became effective, did not contain, and each such part, as amended or supplemented, if applicable, will not contain any untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein not misleading, (ii) the Registration Statement as of the date hereof does not contain any untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein not misleading, (iii) the Registration Statement and the Prospectus comply, and as amended or supplemented, if applicable, will comply in all material respects with the Securities Act and the applicable rules and regulations of the Commission thereunder, (iv) the Time of Sale Prospectus does not, and at the time of each sale of the Securities in connection with the offering when the Prospectus is not yet available to prospective purchasers, the Time of Sale Prospectus, as then amended or supplemented by the Company, if applicable, will not, contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading, (v) each broadly available road show, if any, when considered together with the Time of Sale Prospectus, does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading and (vi) the Prospectus does not contain and, at the date of the Underwriting Agreement or as amended or supplemented, if applicable, will not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading, except that the representations and warranties set forth in this paragraph do not apply to (A) statements or omissions in the Registration Statement, the Time of Sale Prospectus or the Prospectus based upon information relating to any Underwriter furnished to the Company in writing by such Underwriter through the Manager expressly for use therein or (B) that part of the Registration Statement that constitutes the Statement of Eligibility (Form T-1) under the Trust Indenture Act of the Trustee.
- (c) The Company is not an “ineligible issuer” in connection with the offering pursuant to Rules 164, 405 and 433 under the Securities Act. Any free writing prospectus that the Company is required to file pursuant to Rule 433(d) under the Securities Act has been, or will be, filed with the Commission in accordance with the requirements of the Securities Act and the applicable rules and regulations of the Commission thereunder. Each free writing prospectus that the Company has filed, or is required to file, pursuant to Rule 433(d) under the Securities Act or that was prepared by or on behalf of or used or referred to by the Company complies or will comply in all material respects with the requirements of the Securities Act and the applicable rules and regulations of the Commission thereunder. Except for the free writing prospectuses, if any, identified in Schedule I hereto forming part of the Time of Sale Prospectus, and electronic road shows, if any, each furnished to the Manager before first use, the Company has not prepared, used or referred to, and will not, without the Manager’s prior consent, prepare, use or refer to, any free writing prospectus.



(d) The Company has been duly incorporated, is validly existing as a corporation in good standing under the laws of the State of Delaware and has full corporate power and authority to own its properties and to conduct its business as presently conducted and is duly qualified to transact business and is in good standing in each jurisdiction in which the conduct of its business or its ownership or leasing of property requires such qualification, except to the extent that the failure to be so qualified or be in good standing would not have a material adverse effect on the Company and its subsidiaries, taken as a whole.

(e) If shares of Common Stock or Preferred Stock are Offered Securities, such shares have been duly authorized and, when issued and delivered in accordance with the terms of this Agreement, will be validly issued, fully paid and non-assessable, and the issuance of such shares will not be subject to any preemptive or similar rights.

(f) If Debt Securities are the Offered Securities, (i) such Debt Securities have been duly authorized and, when executed and authenticated in accordance with the provisions of the Indenture and delivered to and paid for by the Underwriters in accordance with the terms of this Agreement, will be valid and binding obligations of the Company, in each case enforceable in accordance with their respective terms, subject to the Enforceability Exceptions, and will be entitled to the benefits of the Indenture and (ii) the Indenture has been duly qualified under the Trust Indenture Act and has been duly authorized, executed and delivered by, and is a valid and binding agreement of, the Company, enforceable in accordance with its terms, subject to the Enforceability Exceptions.

(g) If Warrants are Offered Securities, (i) such Warrants have been duly authorized and, when executed and delivered in accordance with the provisions of the Warrant Agreement and delivered to and paid for by the Underwriters in accordance with the terms of this Agreement, such Warrants will be valid and binding obligations of the Company, enforceable in accordance with their terms, subject to the Enforceability Exceptions and (ii) the Warrant Agreement has been duly authorized, executed and delivered by, and is a valid and binding agreement of, the Company, enforceable in accordance with its terms, subject to the Enforceability Exceptions.

(h) If Units are Offered Securities, (i) such Units have been duly authorized and, when executed and delivered in accordance with the provisions of the Unit Agreement and delivered to and paid for by the Underwriters in accordance with the terms of this Agreement, such Units will be valid and binding obligations of the Company, enforceable in accordance with their terms, subject to the Enforceability Exceptions and (ii) the Unit Agreement has been duly authorized, executed and delivered by, and is a valid and binding agreement of, the Company, enforceable in accordance with its terms, subject to the Enforceability Exceptions.

(i) This Agreement has been duly authorized, executed and delivered by the Company.

(j) The Company is not in violation of its charter or by-laws. The Company is not (1) in default, and no event has occurred that, with notice or lapse of time or both, would constitute such a default, in the due performance or observance of any term, covenant or condition contained in any indenture, mortgage, deed of trust, loan agreement or other agreement or instrument to which the Company is a party or by which the Company is bound or to which any of the property or assets of the Company is subject; or (2) in violation of any law or statute or any judgment, order, rule or regulation of any court or arbitrator or governmental or regulatory authority, except, in the case of clauses (1) and (2) above, for any such default or violation that would not, individually or in the aggregate, reasonably be expected to have a material adverse effect on the Company and its subsidiaries, taken as a whole.

(k) The execution and delivery by the Company of, and the performance by the Company of its obligations under, this Agreement and, as applicable, each other Transaction Document will not contravene (i) any provision of applicable law, (ii) the certificate of incorporation or by-laws of the Company, (iii) any agreement or other instrument binding upon the Company or any of its subsidiaries, or (iv) any judgment, order or decree of any governmental body, agency or court having jurisdiction over the Company or any subsidiary of the Company except, in the case of clauses (i), (iii) and (iv) above, as would not, individually or in the aggregate, reasonably be expected to have a material adverse effect on the Company and its subsidiaries, taken as a whole.

(l) No consent, approval, authorization or order of, or qualification with, any governmental body or agency is required for the performance by the Company of its obligations under this Agreement or the applicable Transaction Documents, except such as may be required by the securities or Blue Sky laws of the various states in connection with the offer and sale of the Offered Securities.

(m) There has not occurred any material adverse change, or any development involving a prospective material adverse change, in the condition, financial or otherwise, or in the earnings, business or operations of the Company and its subsidiaries, taken as a whole, from that set forth in the Time of Sale Prospectus.

(n) There are no legal or governmental proceedings pending or threatened to which the Company or any of its subsidiaries is a party or to which any of the properties of the Company or any of its subsidiaries is subject other than proceedings described in the Time of Sale Prospectus and proceedings that would not, individually or in the aggregate, reasonably be expected to have a material adverse effect on the Company and its subsidiaries, taken as a whole, or on the power or ability of the Company to perform its obligations under this Agreement or the applicable Transaction Documents or to consummate the transactions contemplated by the Time of Sale Prospectus.

(o) Each preliminary prospectus filed as part of the registration statement as originally filed or as part of any amendment thereto, or filed pursuant to Rule 424 under the Securities Act, complied when so filed in all material respects with the Securities Act and the applicable rules and regulations of the Commission thereunder.

(p) The Company is not, and after giving effect to the offering and sale of the Offered Securities and the application of the proceeds thereof as described in the Time of Sale Prospectus will not be, required to register as an “investment company” as such term is defined in the Investment Company Act of 1940, as amended.

## VI.

The Company agrees to indemnify and hold harmless each Underwriter and each person, if any, who controls each Underwriter within the meaning of either Section 15 of the Securities Act or Section 20 of the Exchange Act, from and against any and all losses, claims, damages and liabilities (including the reasonable fees and expenses of counsel in connection with any governmental or regulatory investigation or proceeding) caused by any untrue statement or alleged untrue statement of a material fact contained in the Registration Statement or any amendment thereof, any preliminary prospectus, the Time of Sale Prospectus, any issuer free writing prospectus as defined in Rule 433(h) under the Securities Act, any Company information that the Company has filed, or is required to file, pursuant to Rule 433(d) under the Securities Act, or the Prospectus or any amendment or supplement thereto, or caused by any omission or alleged omission to state therein a material fact necessary to make the statements therein not misleading, except insofar as such losses, claims, damages or liabilities are caused by any such untrue statement or omission or alleged untrue statement or omission based upon information furnished to the Company in writing by such Underwriter through the Manager expressly for use therein.

Each Underwriter agrees, severally and not jointly, to indemnify and hold harmless the Company, its directors, its officers who sign the Registration Statement and each person, if any, who controls the Company to the same extent as the foregoing indemnity from the Company to each Underwriter, but only with reference to information relating to such Underwriter furnished to the Company in writing by such Underwriter expressly for use in the Registration Statement or any amendment thereof, any preliminary prospectus, the Time of Sale Prospectus, any issuer free writing prospectus or the Prospectus or any amendment or supplement thereto, it being understood and agreed that the only such information furnished by any Underwriter consists of the information described as such in Schedule IV to the Underwriting Agreement.

In case any proceeding (including any governmental investigation) shall be instituted involving any person in respect of which indemnity may be sought pursuant to either of the two preceding paragraphs, such person (the “**indemnified party**”) shall promptly notify the person against whom such indemnity may be sought (the “**indemnifying party**”) in writing and the indemnifying party, upon request of the indemnified party, shall retain counsel reasonably satisfactory to the indemnified party to represent the indemnified party and any others the indemnifying party may designate in such proceeding and shall pay the fees and disbursements of such counsel related to such proceeding. In any such proceeding, any indemnified party shall have the right to retain its own counsel, but the fees and expenses of such counsel shall be at the expense of such indemnified party unless (i) the indemnifying party and the indemnified party shall have mutually agreed to the retention of such counsel or (ii) the named parties to any such proceeding (including any impleaded parties) include both the indemnifying party and the indemnified party and representation of both parties by the same counsel would be inappropriate due to actual or potential differing interests between them. It is understood that the indemnifying party shall not, in connection with any proceeding or related proceedings in the same jurisdiction, be liable for the reasonable fees and expenses of

more than one separate firm (in addition to any local counsel) for all such indemnified parties and that all such fees and expenses shall be reimbursed as they are incurred. Such firm shall be designated in writing by the Manager in the case of parties indemnified pursuant to the second preceding paragraph and by the Company in the case of parties indemnified pursuant to the first preceding paragraph. The indemnifying party shall not be liable for any settlement of any proceeding effected without its written consent but, if settled with such consent or if there be a final judgment for the plaintiff, the indemnifying party agrees to indemnify the indemnified party from and against any loss or liability by reason of such settlement or judgment. No indemnifying party shall, without the prior written consent of the indemnified party, effect any settlement of any pending or threatened proceeding in respect of which any indemnified party is or could have been a party and indemnity could have been sought hereunder by such indemnified party, unless such settlement includes an unconditional release of such indemnified party from all liability on claims that are the subject matter of such proceeding.

If the indemnification provided for in this Article VI under the first or second paragraphs hereof is unavailable in respect of any losses, claims, damages or liabilities referred to therein, then each indemnifying party under such paragraph, in lieu of indemnifying such indemnified party, shall contribute to the amount paid or payable by such indemnified party as a result of such losses, claims, damages or liabilities (i) in such proportion as is appropriate to reflect the relative benefits received by the Company on the one hand and the Underwriters on the other from the offering of the Offered Securities or (ii) if the allocation provided by clause (i) above is not permitted by applicable law, such proportion as is appropriate to reflect not only the relative benefits referred to in clause (i) above but also the relative fault of the Company on the one hand and of the Underwriters on the other in connection with the statements or omissions which resulted in such losses, claims, damages or liabilities, as well as any other relevant equitable considerations. The relative benefits received by the Company on the one hand and the Underwriters on the other in connection with the offering of the Offered Securities shall be deemed to be in the same proportion as the net proceeds from the offering of such Offered Securities (before deducting expenses) received by the Company bear to the total underwriting discounts and commissions received by the Underwriters in respect thereof, in each case as set forth in the table on the cover of the Prospectus. The relative fault of the Company on the one hand and of the Underwriters on the other shall be determined by reference to, among other things, whether the untrue or alleged untrue statement of a material fact or the omission or alleged omission to state a material fact relates to information supplied by the Company or by the Underwriters and the parties' relative intent, knowledge, access to information and opportunity to correct or prevent such statement or omission.

The Company and the Underwriters agree that it would not be just and equitable if contribution pursuant to this Article VI were determined by pro rata allocation or by any other method of allocation which does not take account of the equitable considerations referred to in the immediately preceding paragraph. The amount paid or payable by an indemnified party as a result of the losses, claims, damages and liabilities referred to in the immediately preceding paragraph shall be deemed to include, subject to the limitations set forth above, any legal or other expenses reasonably incurred by such indemnified party in connection with investigating or defending any such action or claim. Notwithstanding the provisions of this Article VI, no Underwriter shall be required to contribute any amount in excess of the amount by which the total price at which the Offered Securities underwritten by it and distributed to the public were offered to the public exceeds the amount of any damages which such Underwriter has otherwise been required to pay by reason of such untrue or alleged untrue statement or omission or alleged omission. No person guilty of fraudulent misrepresentation (within the meaning of Section 11(f) of the Securities Act) shall be entitled to contribution from any person who was not guilty of such fraudulent misrepresentation. The Underwriters' obligations to contribute pursuant to this Article VI are several, in proportion to the respective amounts of Offered Securities purchased by each of such Underwriters, and not joint.

The indemnity and contribution agreements contained in this Article VI and the representations and warranties of the Company in this Agreement shall remain operative and in full force and effect regardless of (i) any termination of this Agreement, (ii) any investigation made by or on behalf of any Underwriter or on behalf of any Underwriter or any person controlling any Underwriter or by or on behalf of the Company, its directors or officers or any person controlling the Company and (iii) acceptance of and payment for any of the Offered Securities.

## VII.

In further consideration of the agreements of the Company herein contained, each Underwriter severally covenants as follows:

- (a) Not to take any action that would result in the Company being required to file with the Commission under Rule 433(d) a free writing prospectus prepared by or on behalf of such Underwriter that otherwise would not be required to be filed by the Company thereunder, but for the action of the Underwriter.
- (b) Not to use, refer to or distribute any free writing prospectus except (i) a free writing prospectus that (A) is not an issuer free writing prospectus and (B) contains only information describing the preliminary terms of the Offered Securities or the offering thereof, which information is limited to the categories of terms referenced on Schedule I to the Underwriting Agreement or otherwise permitted under Rule 134 of the Securities Act, (ii) a free writing prospectus as shall be agreed in writing with the Company that is not distributed, used or referred to by such Underwriter in a manner reasonably designed to lead to its broad unrestricted dissemination (unless the Company consents in writing to such dissemination) or (iii) a free writing prospectus identified in Schedule III to the Underwriting Agreement as forming part of the Time of Sale Prospectus.

## VIII.

This Agreement shall be subject to termination in the Manager's absolute discretion, by notice given to the Company, if (a) after the Applicable Time and prior to the Closing Date (i) trading generally shall have been suspended or materially limited on or by, as the case may be, any of the New York Stock Exchange or The Nasdaq Stock Market, (ii) trading of any securities of the Company shall have been suspended on the The Nasdaq Stock Market or in the U.S. over-the-counter market, (iii) a general moratorium on commercial banking activities in New York shall have been declared by either Federal or New York State authorities, or (iv) there shall have occurred any outbreak or escalation of hostilities or a severe deterioration in U.S. financial markets or any other calamity or crisis that is material and adverse and (b) in the case of any of the events specified in clause (a)(iv), such event singly or together with any other such event makes it, in the Manager's judgment, impracticable to market the Offered Securities on the terms and in the manner contemplated in the Time of Sale Prospectus and this Agreement. Any such termination of this Agreement shall be without liability on the part of any Manager or on the part of the Company except as stated in Article IX.

## IX.

If on the Closing Date any one or more of the Underwriters shall fail or refuse to purchase Offered Securities that it or they have agreed to purchase on such date, and the aggregate amount of Offered Securities which such defaulting Underwriter or Underwriters agreed but failed or refused to purchase is not more than one-tenth of the aggregate amount of the Offered Securities to be purchased on such date, the other Underwriters shall be obligated severally in the proportions that the amount of Offered Securities set forth opposite their respective names in the Underwriting Agreement bears to the aggregate amount of Offered Securities set forth opposite the names of all such non-defaulting Underwriters, or in such other proportions as the Manager may specify, to purchase the Offered Securities which such defaulting Underwriter or Underwriters agreed but failed or refused to purchase on such date; provided that in no event shall the amount of Offered Securities that any Underwriter has agreed to purchase pursuant to the Underwriting Agreement be increased pursuant to this Article IX by an amount in excess of one-ninth of such amount of Offered Securities without the written consent of such Underwriter. If on the Closing Date any Underwriter or Underwriters shall fail or refuse to purchase Offered Securities and the aggregate amount of Offered Securities with respect to which such default occurs is more than one-tenth of the aggregate amount of Offered Securities to be purchased on such date, and arrangements satisfactory to the Underwriters and the Company for the purchase of such Offered Securities are not made within 36 hours after such default, this Agreement shall terminate without liability on the part of any non-defaulting Underwriter or the Company. In any such case either the Underwriters or the Company shall have the right to postpone the Closing Date but in no event for longer than seven days, in order that the required changes, if any, in the Registration Statement and in the Prospectus or in any other documents or arrangements may be effected. Any action taken under this paragraph shall not relieve any defaulting Underwriter from liability in respect of any default of such Underwriter under this Agreement.

If this Agreement shall be terminated by the Underwriters, or any of them, because of any failure or refusal on the part of the Company to comply with the terms or to fulfill any of the conditions of this Agreement, or if for any reason the Company shall be unable to perform its obligations under this Agreement, the Company will reimburse the Underwriters or such Underwriters as have so terminated this Agreement, with respect to themselves, severally, for all out-of-pocket expenses (including the fees and disbursements of their counsel) reasonably incurred by such Underwriters in connection with the Offered Securities.

The Company acknowledges and agrees that the Underwriters are acting solely in the capacity of an arm's length contractual counterparty to the Company with respect to the offering of Offered Securities contemplated hereby (including in connection with determining the terms of the offering) and not as a financial advisor or a fiduciary to, or an agent of, the Company or any other person. Additionally, none of the Underwriters is advising the Company or any other person as to any legal, tax, investment, accounting or regulatory matters in any jurisdiction with respect to the offering of Offered Securities contemplated hereby. The Company shall consult with its own advisors concerning such matters and shall be responsible for making its own independent investigation and appraisal of the transactions contemplated hereby, and the Underwriters shall have no responsibility or liability to the Company with respect thereto. Any review by the Underwriters of the Company, the transactions contemplated hereby or other matters relating to such transactions will be performed solely for the benefit of the Underwriters and shall not be on behalf of the Company.

In the event that any Underwriter that is a Covered Entity becomes subject to a proceeding under a U.S. Special Resolution Regime, the transfer from such Underwriter of this Agreement, and any interest and obligation in or under this Agreement, will be effective to the same extent as the transfer would be effective under the U.S. Special Resolution Regime if this Agreement, and any such interest and obligation, were governed by the laws of the United States or a state of the United States. In the event that any Underwriter that is a Covered Entity or a BHC Act Affiliate of such Underwriter becomes subject to a proceeding under a U.S. Special Resolution Regime, Default Rights under this Agreement that may be exercised against such Underwriter are permitted to be exercised to no greater extent than such Default Rights could be exercised under the U.S. Special Resolution Regime if this Agreement were governed by the laws of the United States or a state of the United States. As used in this paragraph:

- (a) "BHC Act Affiliate" has the meaning assigned to the term "affiliate" in, and shall be interpreted in accordance with, 12 U.S.C. § 1841(k);
- (b) "Covered Entity" means any of the following: (i) a "covered entity" as that term is defined in, and interpreted in accordance with, 12 C.F.R. § 252.82(b); (ii) a "covered bank" as that term is defined in, and interpreted in accordance with, 12 C.F.R. § 47.3(b); or (iii) a "covered FSI" as that term is defined in, and interpreted in accordance with, 12 C.F.R. § 382.2(b);
- (c) "Default Right" has the meaning assigned to that term in, and shall be interpreted in accordance with, 12 C.F.R. §§ 252.81, 47.2 or 382.1, as applicable; and
- (d) "U.S. Special Resolution Regime" means each of (i) the Federal Deposit Insurance Act and the regulations promulgated thereunder and (ii) Title II of the Dodd-Frank Wall Street Reform and Consumer Protection Act and the regulations promulgated thereunder.

This Agreement shall inure to the benefit of and be binding upon the parties hereto and their respective successors and the officers and directors and any controlling persons referred to herein, and the affiliates of each Underwriter referred to in Section VI hereof. Nothing in this Agreement is intended or shall be construed to give any other person any legal or equitable right, remedy or claim under or in respect of this Agreement or any provision contained herein. No purchaser of Securities from any Underwriter shall be deemed to be a successor merely by reason of such purchase.

The respective indemnities, rights of contribution, representations, warranties and agreements of the Company and the Underwriters contained in this Agreement or made by or on behalf of the Company or the Underwriters pursuant to this Agreement or any certificate delivered pursuant hereto shall survive the delivery of and payment for the Securities and shall remain in full force and effect, regardless of any termination of this Agreement or any investigation made by or on behalf of the Company or the Underwriters.

This Agreement may be signed in any number of counterparts, each of which shall be an original, with the same effect as if the signatures thereto and hereto were upon the same instrument.

THIS AGREEMENT SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF NEW YORK.

New York  
Northern California  
Washington DC  
São Paulo  
London

Paris  
Madrid  
Tokyo  
Beijing  
Hong Kong



Davis Polk & Wardwell LLP      650 752 2000 tel  
1600 El Camino Real            650 752 2111 fax  
Menlo Park, CA 94025

February 22, 2019

Texas Instruments Incorporated  
12500 TI Boulevard  
Dallas, Texas 75243

Ladies and Gentlemen:

Texas Instruments Incorporated, a Delaware corporation (the “**Company**”) is filing with the Securities and Exchange Commission a Registration Statement on Form S-3 (the “**Registration Statement**”) for the purpose of registering under the Securities Act of 1933, as amended (the “**Securities Act**”), (a) shares of common stock, par value \$1.00 per share (the “**Common Stock**”) of the Company; (b) shares of preferred stock, par value \$25.00 per share (the “**Preferred Stock**”) of the Company; (c) the Company’s debt securities (the “**Debt Securities**”), which may be issued pursuant to an indenture dated May 23, 2011 between the Company and U.S. Bank National Association, a National Association, as trustee (the “**Debt Trustee**”) (the “**Indenture**”); (d) warrants of the Company (the “**Warrants**”), which may be issued under one or more warrant agreements (each, a “**Warrant Agreement**”) to be entered into between the Company and the warrant agent to be named therein (the “**Warrant Agent**”); and (e) Common Stock, Preferred Stock, Debt Securities, and Warrants or any combination thereof that may be offered in the form of units (the “**Units**”) to be issued under one or more unit agreements to be entered into among the Company, a bank or trust company, as unit agent (the “**Unit Agent**”), and the holders from time to time of the Units (each such unit agreement, a “**Unit Agreement**”).

We, as your counsel, have examined originals or copies of such documents, corporate records, certificates of public officials and other instruments as we have deemed necessary or advisable for the purpose of rendering this opinion.

In rendering the opinions expressed herein, we have, without independent inquiry or investigation, assumed that (i) all documents submitted to us as originals are authentic and complete, (ii) all documents submitted to us as copies conform to authentic, complete originals, (iii) all documents filed as exhibits to the Registration Statement that have not been executed will conform to the forms thereof, (iv) all signatures on all documents that we reviewed are genuine, (v) all natural persons executing documents had and have the legal capacity to do so, (vi) all statements in certificates of public officials and officers of the Company that we reviewed were and are accurate and (vii) all representations made by the Company as to matters of fact in the documents that we reviewed were and are accurate.

Based upon the foregoing, and subject to the additional assumptions and qualifications set forth below, we advise you that, in our opinion:

1. When the necessary corporate action on the part of the Company has been taken to authorize the issuance and sale of such shares of Common Stock proposed to be sold by the Company, and when such shares of Common Stock are issued and delivered in accordance with the applicable underwriting or other agreement against payment therefor (in excess of par value thereof) or upon conversion or exercise of any security offered under the Registration Statement (the “**Offered Security**”), in accordance with the terms of such Offered Security or the instrument governing such Offered Security providing for such conversion or exercise as approved by the Board of Directors of the Company, for the consideration approved by such Board of Directors (which consideration is not less than the par value of the Common Stock), such shares of Common Stock will be validly issued, fully-paid and non-assessable.
2. Upon designation of the relative rights, preferences and limitations of any series of Preferred Stock by the Board of Directors of the Company and the proper filing with the Secretary of State of the State of Delaware of a Certificate of Designation relating to such series of Preferred Stock, all necessary corporate action on the part of the Company will have been taken to authorize the issuance and sale of such series of Preferred Stock proposed to be sold by the Company, and when such shares of Preferred Stock are issued and delivered in accordance with the applicable underwriting or other agreement against payment therefor (in excess of par value thereof), such shares of Preferred Stock will be validly issued, fully paid and non-assessable.
3. Assuming the Indenture has been duly authorized, executed and delivered by the Trustee, and when any supplemental indenture to be entered into in connection with the issuance of any Debt Securities has been duly authorized, executed and delivered by the Trustee and the Company; the specific terms of a particular series of Debt Securities have been duly authorized and established in accordance with the Indenture; and such Debt Securities have been duly authorized, executed, authenticated, issued and delivered in accordance with the Indenture and the applicable underwriting or other agreement against payment therefor, such Debt Securities will constitute valid and binding obligations of the Company, enforceable in accordance with their terms, subject to applicable bankruptcy, insolvency and similar laws affecting creditors’ rights generally, concepts of reasonableness and equitable principles of general applicability, provided that we express no opinion as to (x) the effect of fraudulent conveyance, fraudulent transfer or similar provision of applicable law on the conclusions expressed above, (y) the validity, legally binding effect or enforceability of any section of any supplemental indenture that requires or relates to adjustments to the conversion rate at a rate or in an amount that a court would determine in the circumstances under applicable law to be commercially unreasonable or a penalty or forfeiture or (z) the validity, legally binding effect or enforceability of any provision that permits holders to collect any portion of stated principal amount upon acceleration of the Debt Securities to the extent determined to constitute unearned interest.

4. When the Warrant Agreement to be entered into in connection with the issuance of any Warrants has been duly authorized, executed and delivered by the Warrant Agent and the Company; the specific terms of the Warrants have been duly authorized and established in accordance with the Warrant Agreement; and such Warrants have been duly authorized, executed, issued and delivered in accordance with the Warrant Agreement and the applicable underwriting or other agreement against payment therefor, such Warrants will constitute valid and binding obligations of the Company, enforceable in accordance with their terms, subject to applicable bankruptcy, insolvency and similar laws affecting creditors' rights generally, concepts of reasonableness and equitable principles of general applicability.
5. When the Unit Agreement to be entered into in connection with the issuance of any Units has been duly authorized, executed and delivered by the Unit Agent and the Company; the specific terms of the Units have been duly authorized and established in accordance with the Unit Agreement; and such Units have been duly authorized, executed, issued and delivered in accordance with the Unit Agreement and the applicable underwriting or other agreement against payment therefor, such Units will constitute valid and binding obligations of the Company, enforceable in accordance with their terms, subject to applicable bankruptcy, insolvency and similar laws affecting creditors' rights generally, concepts of reasonableness and equitable principles of general applicability.

In connection with the opinions expressed above, we have assumed that, at or prior to the time of the delivery of any such security, (i) the Board of Directors of the Company shall have duly established the terms of such security and duly authorized the issuance and sale of such security and such authorization shall not have been modified or rescinded; (ii) the Company shall remain validly existing as a corporation in good standing under the laws of the State of Delaware; (iii) the Registration Statement shall have become effective and such effectiveness shall not have been terminated or rescinded; (iv) the Indenture, the Debt Securities, the Warrant Agreement and the Unit Agreement are each valid, binding and enforceable agreements of each party thereto (other than as expressly covered above in respect of the Company); and (v) there shall not have occurred any change in law affecting the validity or enforceability of such security. We have also assumed that (i) the terms of any security whose terms are established subsequent to the date hereof and the issuance, execution, delivery and performance by the Company of any such security (a) require no action by or in respect of, or filing with, any governmental body, agency or official and (b) do not contravene, or constitute a default under, any provision of applicable law or public policy or regulation or any judgment, injunction, order or decree or any agreement or other instrument binding upon the Company and (ii) any Warrant Agreement and Unit Agreement will be governed by the laws of the State of New York.

We are members of the Bars of the State of New York and the State of California and the foregoing opinion is limited to the laws of the State of New York and the General Corporation Law of the State of Delaware.



We hereby consent to the filing of this opinion as an exhibit to the Registration Statement referred to above and further consent to the reference to our name under the caption "Validity of Securities" in the prospectus, which is a part of the Registration Statement. In giving this consent, we do not admit that we are in the category of persons whose consent is required under Section 7 of the Securities Act.

Very truly yours,

/s/ Davis Polk & Wardwell LLP

**CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

We consent to the reference to our firm under the caption "Experts" in the Registration Statement (Form S-3) and related Prospectus of Texas Instruments Incorporated for the registration of common stock, preferred stock, debt securities, warrants, and units and to the incorporation by reference therein of our reports dated February 22, 2019, with respect to the consolidated financial statements of Texas Instruments Incorporated, and the effectiveness of internal control over financial reporting of Texas Instruments Incorporated included in its Annual Report (Form 10-K) for the year ended December 31, 2018, filed with the Securities and Exchange Commission.

/s/ Ernst & Young LLP  
February 22, 2019  
Dallas, Texas

---

---

**SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

---

**FORM T-1**

---

**STATEMENT OF ELIGIBILITY  
UNDER THE TRUST INDENTURE ACT OF 1939  
OF A CORPORATION DESIGNATED TO ACT AS TRUSTEE** **Check if an Application to Determine Eligibility of a Trustee Pursuant to Section 305(b)(2)**

---

**U.S. BANK NATIONAL ASSOCIATION**

(Exact name of Trustee as specified in its charter)

---

31-0841368

I.R.S. Employer Identification No.

800 Nicollet Mall  
Minneapolis, Minnesota  
(Address of principal executive offices)55402  
(Zip Code)Michael K. Herberger  
U.S. Bank National Association  
13737 Noel Road  
Dallas, TX 75070  
972 581-1612

(Name, address and telephone number of agent for service)

---

**Texas Instruments Incorporated**

(Issuer with respect to the Securities)

Delaware  
(State or other jurisdiction of  
incorporation or organization)75-0289970  
(I.R.S. Employer  
Identification No.)12500 TI Boulevard  
Dallas, TX  
(Address of Principal Executive Offices)75243  
(Zip Code)**Notes**(Title of the Indenture Securities)

---

---

**FORM T-1**

**Item 1. GENERAL INFORMATION.** Furnish the following information as to the Trustee.

a) *Name and address of each examining or supervising authority to which it is subject.*

Comptroller of the Currency  
Washington, D.C.

b) *Whether it is authorized to exercise corporate trust powers.*

Yes

**Item 2. AFFILIATIONS WITH OBLIGOR.** *If the obligor is an affiliate of the Trustee, describe each such affiliation.*

None

**Items 3-15** *Items 3-15 are not applicable because to the best of the Trustee's knowledge, the obligor is not in default under any Indenture for which the Trustee acts as Trustee.*

**Item 16. LIST OF EXHIBITS:** *List below all exhibits filed as a part of this statement of eligibility and qualification.*

1. A copy of the Articles of Association of the Trustee.\*
2. A copy of the certificate of authority of the Trustee to commence business, attached as Exhibit 2.
3. A copy of the certificate of authority of the Trustee to exercise corporate trust powers, attached as Exhibit 3.
4. A copy of the existing bylaws of the Trustee.\*\*
5. A copy of each Indenture referred to in Item 4. Not applicable.
6. The consent of the Trustee required by Section 321(b) of the Trust Indenture Act of 1939, attached as Exhibit 6.
7. Report of Condition of the Trustee as of September 30, 2018 published pursuant to law or the requirements of its supervising or examining authority, attached as Exhibit 7.

\* Incorporated by reference to Exhibit 25.1 to Amendment No. 2 to registration statement on S-4, Registration Number 333-128217 filed on November 15, 2005.

\*\* Incorporated by reference to Exhibit 25.1 to registration statement on form S-3ASR, Registration Number 333-199863 filed on November 5, 2014.

**SIGNATURE**

Pursuant to the requirements of the Trust Indenture Act of 1939, as amended, the Trustee, U.S. BANK NATIONAL ASSOCIATION, a national banking association organized and existing under the laws of the United States of America, has duly caused this statement of eligibility and qualification to be signed on its behalf by the undersigned, thereunto duly authorized, all in the City of Dallas, State of Texas on the 14<sup>th</sup> of February, 2019.

By: /s/ Michael K. Herberger  
Michael K. Herberger  
Vice President

Exhibit 2



Office of the Comptroller of the Currency

Washington, DC 20219

**CERTIFICATE OF CORPORATE EXISTENCE**

I, Joseph Otting, Comptroller of the Currency, do hereby certify that:

1. The Comptroller of the Currency, pursuant to Revised Statutes 324, et seq, as amended, and 12 USC 1, et seq, as amended, has possession, custody, and control of all records pertaining to the chartering, regulation, and supervision of all national banking associations.
2. "U.S. Bank National Association," Cincinnati, Ohio (Charter No. 24), is a national banking association formed under the laws of the United States and is authorized thereunder to transact the business of banking on the date of this certificate.

IN TESTIMONY WHEREOF, today,  
August 1, 2018, I have hereunto  
subscribed my name and caused my seal  
of office to be affixed to these presents at  
the U.S. Department of the Treasury, in  
the City of Washington, District of  
Columbia




  
\_\_\_\_\_  
Comptroller of the Currency

Exhibit 3



Office of the Comptroller of the Currency

Washington, DC 20219

**CERTIFICATION OF FIDUCIARY POWERS**

I, Joseph Otting, Comptroller of the Currency, do hereby certify that:

1. The Office of the Comptroller of the Currency, pursuant to Revised Statutes 324, et seq, as amended, and 12 USC 1, et seq, as amended, has possession, custody, and control of all records pertaining to the chartering, regulation, and supervision of all national banking associations.

2. "U.S. Bank National Association," Cincinnati, Ohio (Charter No. 24), was granted, under the hand and seal of the Comptroller, the right to act in all fiduciary capacities authorized under the provisions of the Act of Congress approved September 28, 1962, 76 Stat. 668, 12 USC 92a, and that the authority so granted remains in full force and effect on the date of this certificate.

IN TESTIMONY WHEREOF, today,

May 8, 2018, I have hereunto subscribed my

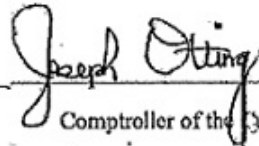
name and caused my seal of office to be

affixed to these presents at the U.S.

Department of the Treasury, in the City of

Washington, District of Columbia.



  
Comptroller of the Currency

**Exhibit 6**

**CONSENT**

In accordance with Section 321(b) of the Trust Indenture Act of 1939, the undersigned, U.S. BANK NATIONAL ASSOCIATION hereby consents that reports of examination of the undersigned by Federal, State, Territorial or District authorities may be furnished by such authorities to the Securities and Exchange Commission upon its request therefor.

Dated: February 14, 2019

By: /s/ Michael K. Herberger

Michael K. Herberger  
Vice President



**Exhibit 7**

**U.S. Bank National Association  
Statement of Financial Condition  
As of 9/30/2018**

**(\$000's)**

	<b>9/30/2018</b>
<b>Assets</b>	
Cash and Balances Due From Depository Institutions	\$ 20,003,448
Securities	110,034,104
Federal Funds	31,434
Loans & Lease Financing Receivables	281,653,128
Fixed Assets	3,819,093
Intangible Assets	13,233,498
Other Assets	27,236,326
<b>Total Assets</b>	<b>\$456,011,031</b>
<b>Liabilities</b>	
Deposits	\$342,906,860
Fed Funds	6,964,321
Treasury Demand Notes	0
Trading Liabilities	977,478
Other Borrowed Money	38,881,574
Acceptances	0
Subordinated Notes and Debentures	3,800,000
Other Liabilities	14,600,333
<b>Total Liabilities</b>	<b>\$408,130,566</b>
<b>Equity</b>	
Common and Preferred Stock	18,200
Surplus	14,266,915
Undivided Profits	32,793,053
Minority Interest in Subsidiaries	802,297
<b>Total Equity Capital</b>	<b>\$ 47,880,465</b>
<b>Total Liabilities and Equity Capital</b>	<b>\$456,011,031</b>