



**12500 TI Boulevard, MS 8640, Dallas, Texas 75243**

**PCN# 20140715001  
Extension of Shelf Life for Selected Texas Instruments (TI)  
Catalog Semiconductor Products  
Information Only**

Dear Customer:

As a part of TI's ongoing commitment to excellence in customer satisfaction, quality and reliability, we are pleased to announce that we will be extending the shelf life of certain designated products previously designated at 2 years, to 5 years.

This change will become effective on Oct 2<sup>nd</sup>, 2014, and has been made possible due to advancements in lead frames used by TI and improvements in packing materials, work methods and inventory logistics. It will cause no negative impact to quality, and will benefit customers in a number of ways.

Extending the shelf life of certain products will allow TI to build ahead on those products and hold inventory internally. This will give customers increased assurance of supply, more immediate availability of product, and will help minimize the burden caused by end-of-life complications on mature products.

Thank you for being a valued customer. For further information regarding this notice or the list of products qualified for extended shelf life (ESL), please contact your local Sales Representative or visit [www.ti.com/esl](http://www.ti.com/esl). You may also identify ESL products by looking in the Quality section of [www.ti.com](http://www.ti.com).

Sincerely,

PCN Team  
SC Business Services  
Phone: +1(214) 480-6037  
Fax: +1(214) 480-6659

<b>PCN Number:</b>	20140715001		<b>PCN Date:</b>	10/16/2014	
<b>Title:</b>	Extension of Shelf Life for Select TI Catalog Semiconductor Products				
<b>Customer Contact:</b>	<a href="#">PCN Manager</a>	<b>Phone:</b>	+1(214) 480-6037	<b>Dept:</b>	Quality Services
<b>Change Type:</b>					
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design	<input type="checkbox"/>	Wafer Bump Site
<input type="checkbox"/>	Assembly Process	<input type="checkbox"/>	Data Sheet	<input type="checkbox"/>	Wafer Bump Material
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change	<input type="checkbox"/>	Wafer Bump Process
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site	<input type="checkbox"/>	Wafer Fab Site
<input checked="" type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process	<input type="checkbox"/>	Wafer Fab Materials
				<input type="checkbox"/>	Wafer Fab Process

### PCN Details

#### Description of Change:

Texas Instruments is pleased to announce the extension of the shelf life of select semiconductor catalog products from 2 yrs. to 5 yrs. (see **"Product Affected"** section below). TI has identified no failure mechanisms associated with the extended storage period.

#### Reason for Change:

Increased supply flexibility for customers – particularly for low volume products.

#### Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):

None.

#### Changes to product identification resulting from this PCN:

Current Label with Standard Date code (YYWW) Format:



#### New Label with "Extended Shelf Life" Designation in Date code (YYWW+5):



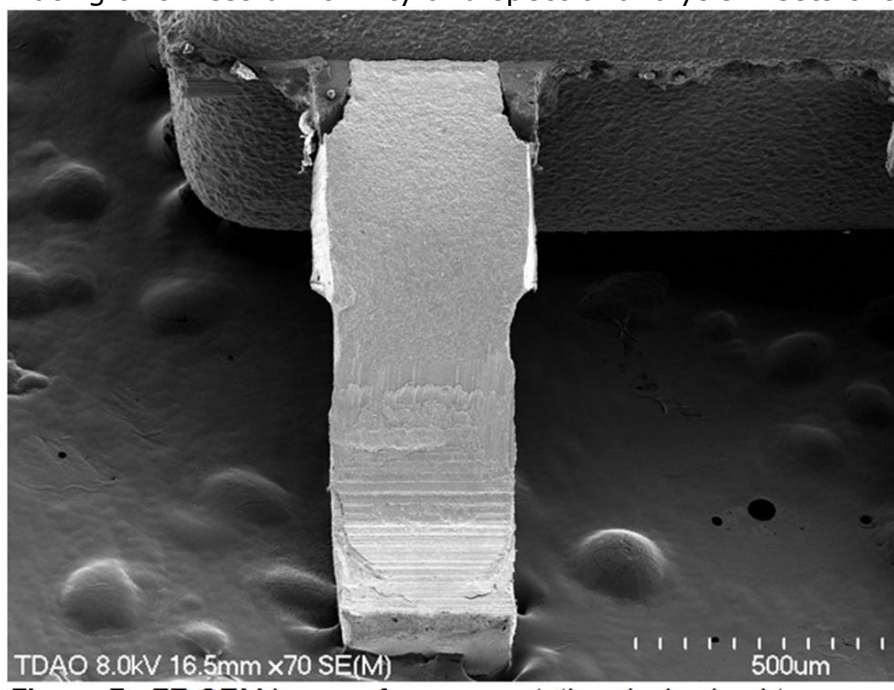
#### Product Affected:

For further information regarding this notice or the list of products qualified for extended shelf life (ESL), please contact your local Sales Representative or visit [www.ti.com/esl](http://www.ti.com/esl).

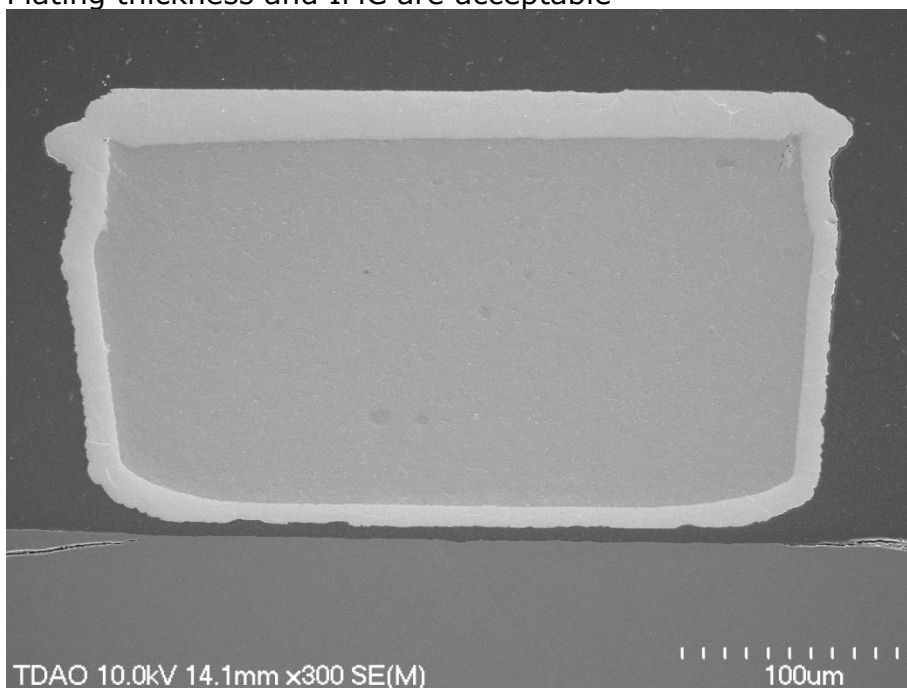
## Supporting Data

### Matte Sn Products

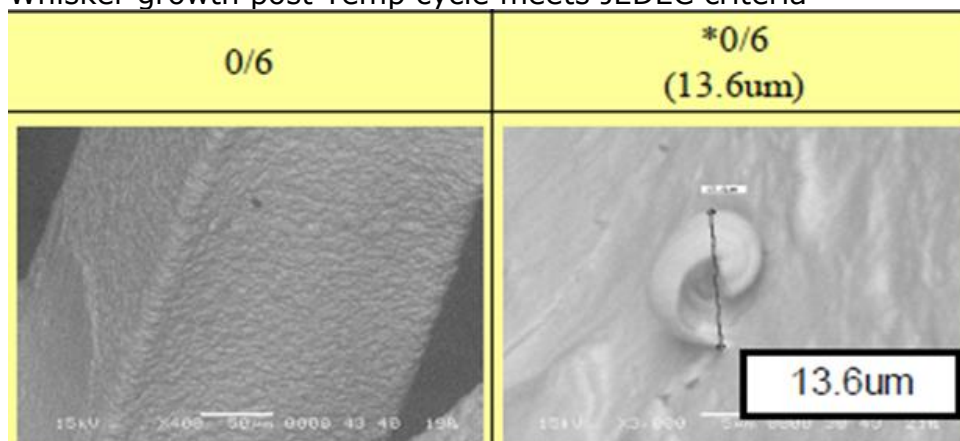
Plating thickness uniformity and spectral analysis meets criteria



Plating thickness and IMC are acceptable



Whisker growth post Temp cycle meets JEDEC criteria



For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

Location	E-Mail
USA	<a href="mailto:PCNAmericasContact@list.ti.com">PCNAmericasContact@list.ti.com</a>
Europe	<a href="mailto:PCNEuropeContact@list.ti.com">PCNEuropeContact@list.ti.com</a>
Asia Pacific	<a href="mailto:PCNAsiaContact@list.ti.com">PCNAsiaContact@list.ti.com</a>
Japan	<a href="mailto:PCNJapanContact@list.ti.com">PCNJapanContact@list.ti.com</a>