



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

**PCN#20170119000**  
**Qualify 4mm pitch Carrier Tape for select DSBGA Devices**  
**Change Notification / Sample Request**

**Date:** January 19, 2017  
**To:** PREMIER FARNELL PCN

Dear Customer:

This is an announcement of a change to a device that is currently offered by Texas Instruments. The details of this change are on the following pages.

We request you acknowledge receipt of this notification within **30** days of the date of this notice. Lack of acknowledgement of this notice within 30 days constitutes acceptance of the change. If you require samples or additional data to support your evaluation, please request within 30 days.

The proposed first ship date is indicated on page 3 of this notification, unless customer agreement has been reached on an earlier implementation of the change.

This notice does not change the end-of-life status of any product. Should product affected be on a previously issued product withdrawal/discontinuance notice, this notification does not extend the life of that product or change the life time buy offering/discontinuance plan.

For questions regarding this notice, contact your local Field Sales Representative or the PCN Manager ([PCN\\_ww\\_admin\\_team@list.ti.com](mailto:PCN_ww_admin_team@list.ti.com)).

Sincerely,

PCN Team  
SC Business Services

**20170119000**  
**Attachment: 1**

**Products Affected:**

The devices listed on this page are a subset of the complete list of affected devices. According to our records, these are the devices that you have purchased within the past twenty-four (24) months. The corresponding customer part number is also listed, if available.

<b>DEVICE</b>	<b>CUSTOMER PART NUMBER</b>
BQ51020YFPT	null
BQ51021YFPT	null
BQ51025YFPT	null

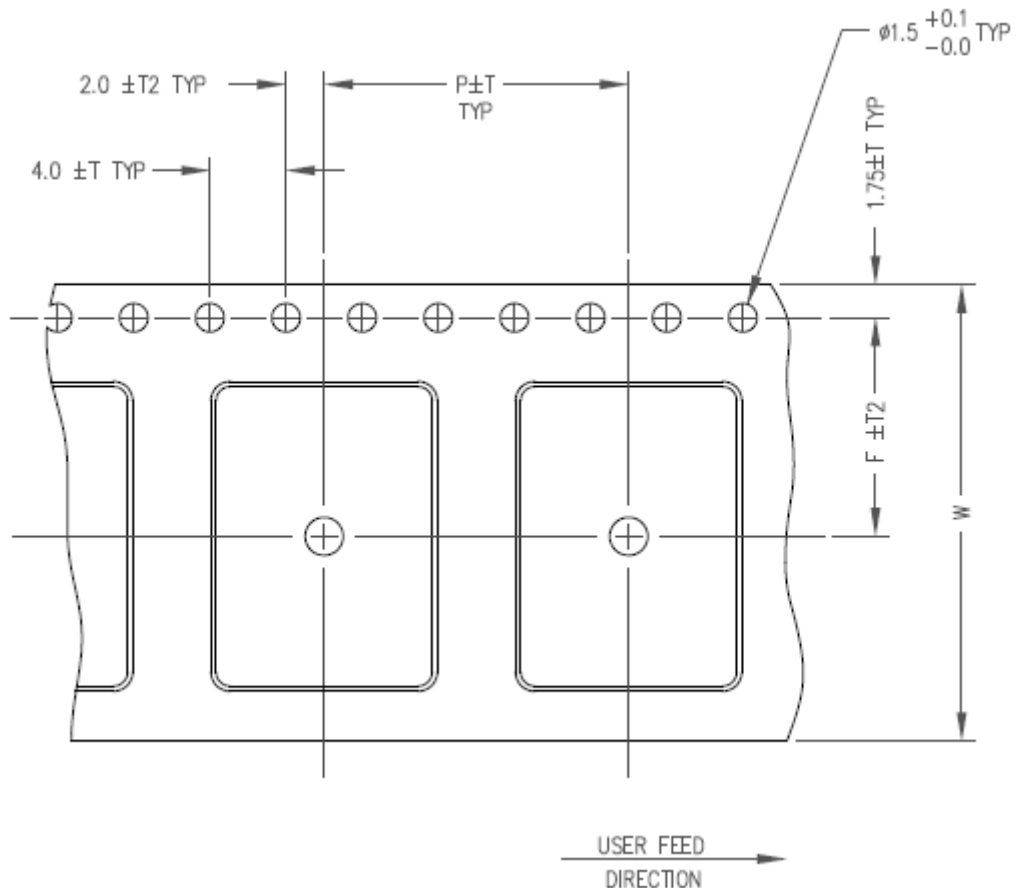
Technical details of this Product Change follow on the next page(s).

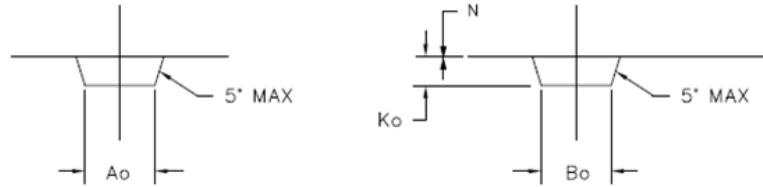
<b>PCN Number:</b>	20170119000	<b>PCN Date:</b>	Jan 19, 2017
<b>Title:</b>	Qualify 4mm pitch Carrier Tape for select DSBGA Devices		
<b>Customer Contact:</b>	<a href="#">PCN Manager</a>	<b>Dept:</b>	Quality Services
<b>Proposed 1<sup>st</sup> Ship Date:</b>	Apr 19, 2017	<b>Estimated Sample Availability:</b>	Date provided at sample request
<b>Change Type:</b>			
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design
<input type="checkbox"/>	Assembly Process	<input type="checkbox"/>	Data Sheet
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site
<input checked="" type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process
		<input type="checkbox"/>	Wafer Bump Site
		<input type="checkbox"/>	Wafer Bump Material
		<input type="checkbox"/>	Wafer Bump Process
		<input type="checkbox"/>	Wafer Fab Site
		<input type="checkbox"/>	Wafer Fab Materials
		<input type="checkbox"/>	Wafer Fab Process

### PCN Details

#### Description of Change:

Texas Instruments is pleased to announce the qualification of 4mm pitch carrier tape for select DSBGA. These devices are currently shipped in 8mm pitch carrier tape. Carrier tape design summary as follows:





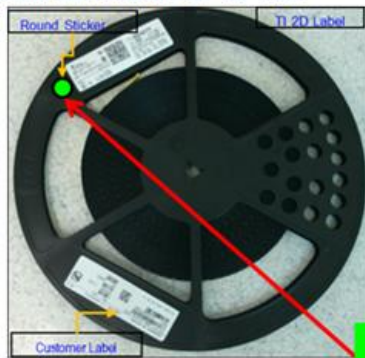
**Dimensional Comparison (Sample):**

	From	To
Stock #/Supplier	4156725-0311 /3M	
Ao	2.99mm +/-0.05	2.99mm +/-0.05
Bo	3.71mm +/-0.05	3.71mm +/-0.05
Ko	0.81mm +/-0.05	0.81mm +/-0.05
P pitch	8.00mm +/-0.10	4.00mm +/-0.10
W	12.00mm +.3/-0.1	12.00mm +.3/-0.1
N	0.28 +/-0.02	0.28 +/-0.02
F	5.50 +/-0.05	5.50 +/-0.05

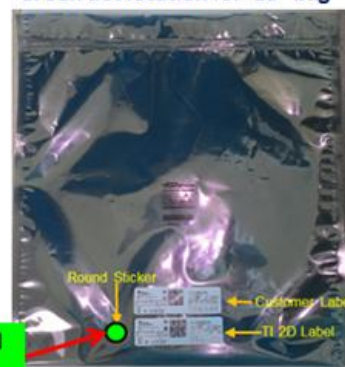
**Additional Packing Information:**

Green Dot Sticker added to 4mm Carrier Tape during Conversion

Green dot location for 13" reel

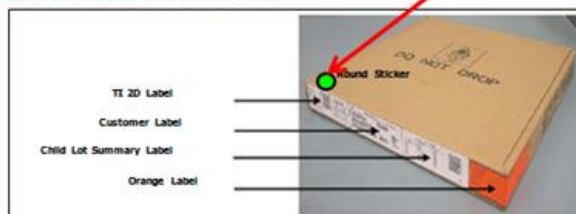


Green dot location for 13" bag



**LOCATION OF GREEN DOT STICKER**

Green dot location for 13" box



**Reason for Change:**

Business Continuity

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

None

**Anticipated impact on Material Declaration**

<input checked="" type="checkbox"/>	No Impact to the Material Declaration	<input type="checkbox"/>	Material Declarations or Product Content reports are driven from production data and will be available following the production release. Upon production release the revised reports can be obtained from the <a href="#">TI ECO website</a> .
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**Changes to product identification resulting from this PCN:**

Not Applicable

**Product Affected:**

BQ51020YFPR	BQ55221YFPR	PN2400A1A8YFFT	PN2400B0A8YFFR
BQ51020YFPT	BQ55221YFPT	PN2400A1A9YFFR	PN2400B0A8YFFT
BQ51021YFPR	PN2400A1A1YFFR	PN2400A1A9YFFT	PN2400B0A9YFFR
BQ51021YFPT	PN2400A1A1YFFT	PN2400B0A1YFFR	PN2400B0A9YFFT
BQ51023YFPR	PN2400A1A2YFFR	PN2400B0A1YFFT	PSN2400B0AYFFR
BQ51023YFPT	PN2400A1A2YFFT	PN2400B0A2YFFR	PSN2400B0AYFFT
BQ51025YFPR	PN2400A1A3YFFR	PN2400B0A2YFFT	SN1303032YFPR
BQ51025YFPT	PN2400A1A3YFFT	PN2400B0A3YFFR	SN1303032YFPT
BQ51121YFPR	PN2400A1A4YFFR	PN2400B0A3YFFT	SN2400A1YFFR
BQ51121YFPT	PN2400A1A4YFFT	PN2400B0A4YFFR	SN2400AB0YFFR
BQ51220YFPR	PN2400A1A5YFFR	PN2400B0A4YFFT	SN2400AB0YFFT
BQ51220YFPT	PN2400A1A5YFFT	PN2400B0A5YFFR	SN2400B0YFFR
BQ51221AYFPR	PN2400A1A6YFFR	PN2400B0A5YFFT	SN2400B0YFFT
BQ51221AYFPT	PN2400A1A6YFFT	PN2400B0A6YFFR	SN51023YFPR
BQ51221SYFPT	PN2400A1A7YFFR	PN2400B0A6YFFT	SN51023YFPT
BQ51221YFPR	PN2400A1A7YFFT	PN2400B0A7YFFR	SN51221YFPR
BQ51221YFPT	PN2400A1A8YFFR	PN2400B0A7YFFT	SN51221YFPT

**Qualification Report**



Revision: B  
EQ# :  
AT Site: TI Clark

### WCSP Carrier Tape Qualification Summary

Reference (QSS 003-008, 005-701, 007-102, 009-006, 014-102)

Supplier:	<u>Carrier Tape</u>
Vendor Part No:	<u></u>
TI Part No:	<u>For Application</u> (If available)
Weight/meter (g):	<u></u>
Material:	<u>Polycarbonate (PC)</u>
Package Description	<u>WCSP</u>
Package Designator:	<u>YFP</u>
Result:	<u>Passed</u>
Date:	<u></u>

I. First Article Inspection Test	<u>Pass</u> (Pass/Fail)
II. Manufacturability Test	<u>Pass</u>
III. Dimensional Test	<u>Pass</u>
IV. Camber Test	<u>Pass</u>
V. Surface Resistivity Test	<u>Pass</u>
VI. Fit Analysis	<u>Pass</u>
VII. Drop Test	<u>Pass</u>

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>