



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

**PCN# 20130905002**  
**Qualification of 8mm Tape width and 7 inch Reel diameter for**  
**Select Devices on QFN and SON Package**  
**Information Only**

Dear Customer:

This is an information-only announcement of a change to a device that is currently offered by Texas Instruments.

The changes discussed within this PCN are for your information only. Please see the attachment details for the planned implementation date.

This notification period is per TI's standard process. Any negotiated alternative change requirements will be provided via the customer's defined process. Customers with previously negotiated, special requirements will be handled separately. Any inquiries should be directed to your local Field Sales Representative.

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  
Phone: +1(214) 480-6037  
Fax: +1(214) 480-6659

**PCN# 20130905002**  
**Attachment: 1**

**Products Affected:**

According to our records, there are the affected device(s) that you have purchased within the past twenty-four (24) months. Technical details of this Product Change follow on the next page(s).

<b>PCN Number:</b>	20130905002			<b>PCN Date:</b>	09/13/2013
<b>Title:</b>	Qualification of 8mm Tape width and 7 inch Reel diameter for Select Devices on QFN and SON Package				
<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"/>	<a href="#">Assembly Site</a>	<input type="checkbox"/>	<a href="#">Assembly Process</a>	<input type="checkbox"/>	<a href="#">Assembly Materials</a>
<input type="checkbox"/>	<a href="#">Design</a>	<input type="checkbox"/>	<a href="#">Electrical Specification</a>	<input type="checkbox"/>	<a href="#">Mechanical Specification</a>
<input type="checkbox"/>	<a href="#">Test Site</a>	<input checked="" type="checkbox"/>	<a href="#">Packing/Shipping/Labeling</a>	<input type="checkbox"/>	<a href="#">Test Process</a>
<input type="checkbox"/>	<a href="#">Wafer Bump Site</a>	<input type="checkbox"/>	<a href="#">Wafer Bump Material</a>	<input type="checkbox"/>	<a href="#">Wafer Bump Process</a>
<input type="checkbox"/>	<a href="#">Wafer Fab Site</a>	<input type="checkbox"/>	<a href="#">Wafer Fab Materials</a>	<input type="checkbox"/>	<a href="#">Wafer Fab Process</a>
	<input type="checkbox"/>	<a href="#">Part number change</a>			
<b>PCN Details</b>					
<b>Description of Change:</b>					
<p>Packing Material Qualification for 8mm tape width and 7 inch Reel diameter for select devices on QFN and SON package. Packing material differences are shown below.</p> <p>Current Packing for full SPQ (3ku) – 13 inch reel diameter</p> <div style="display: flex; align-items: center; justify-content: center;">  <span style="font-size: 2em; margin: 0 10px;">➔</span>  </div> <p>Proposed Packing for full SPQ (3ku) – 7 inch reel diameter</p> <div style="display: flex; align-items: center; justify-content: center;">  <span style="font-size: 2em; margin: 0 10px;">➔</span>  </div> <ul style="list-style-type: none"> <li>▪ R-Version devices- with full SPQ (3000u per reel)</li> </ul>					

Pack BOM	Package Size	Current for Full SPQ		Proposed for full SPQ	
		TI P/N	Details	TI P/N	Details
Tape	2x2mm	4136158-0094	12mm width	4136158-0149	8mm width
	2x3mm	4136158-0093	12mm width	4136158-0150	8mm width
Reel	---	4203160-0011, 4211910-0001, 4203160-0026, 4203160-0019	13" diameter	4203839-0005	7" diameter

(See Appendix A for Carrier Tape "From/To" Detail and 7 Inch diameter Reel sample).

<b>Reason for Change:</b>					
Standardization of tape width size for QFN/SON 2mmx3mm package size and below					
<b>Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):</b>					
None					
<b>Changes to product identification resulting from this PCN:</b>					
None					
<b>Product Affected:</b>					
BQ24075TRGTR	BQ294592DRVT	TPS20MHZDBDRVR	TPS62590DRVR		
BQ294502DRV	BQ294602DRVR	TPS20MHZDBDRVT	TPS62590DRVT		
BQ294502DRVR	BQ294602DRVT	TPS61093DSKR	TPS62702DRVR		
BQ294502DRVT	BQ294604DRVR	TPS61291DRVR	TPS62740DSSR		
BQ294504DRVR	BQ294604DRVT	TPS61291DRVT	TPS62740DSST		
BQ294504DRVT	D8851-27DSS-MC	TPS62080ADSGR	TPS62740ZDSSR		
BQ294512DRVR	DRV8835DSSR	TPS62080DSGR	TPS62750DSKR		
BQ294512DRVT	DRV8835DSST	TPS62080DSGT	TPS62750DSKT		
BQ294514DRVR	DRV8836DSSR	TPS62175DQCR	TPS62751DSKR		
BQ294514DRVT	DRV8838DSGR	TPS62175DQCT	TPS63030DSKR		
BQ294515DRVR	DRV8838DSGT	TPS62176DQCR	TPS63030DSKRG4		
BQ294515DRVT	DRV8839DSSR	TPS62176DQCT	TPS63030DSKT		
BQ294522DRVR	DRV8851-25DSSR	TPS62177DQCR	TPS63030DSKTG4		
BQ294522DRVT	DRV8851-27DSSR	TPS62177DQCT	TPS63031DSKR		
BQ294524DRVR	DRV8851-33DSSR	TPS62178DQCR	TPS63031DSKRG4		
BQ294524DRVT	HPA00695DRVR	TPS62240DRVT	TPS63031DSKT		
BQ294532DRVR	HPA00810-1/2	TPS62240DRVTG4	TPS63031DSKTG4		
BQ294532DRVT	HPA00822DRVR	TPS62243DRVR	TPS65631LDSKR		
BQ294562DRVR	HPA01097DSKR	TPS62243DRVRG4	TPS65631WDSKR		
BQ294562DRVT	INA223AIDSKR	TPS62260ADRV	TPS71745DSER		
BQ294572DRVR	SN1111046DQCR	TPS62260ADRV	TPS7A1701DSER		
BQ294572DRVT	SN1111046DQCT	TPS62560DRVR	TPS7A1745DSER		
BQ294582DRVR	SN762797DQCR	TPS62560DRVRG4	ZPS62175DQCR		
BQ294582DRVT	TLV62080DSGR	TPS62560DRVT	ZPS62175DQCT		
BQ294592DRVR	TLV62080DSGT	TPS62560DRVTG4			

### Qualification Data: 8mm tape width

This qualification has been specifically developed for the validation of this change. The qualification data validates that the proposed change meets the applicable released technical specifications.

**Qualification:** ☐ Plan ☒ Test Results

#### Qualification Device Construction Details:

8mm tape pack	Pass/Fail
First Article Inspection Test:	PASS
Manufacturability Test:	PASS
Dimensional Test:	PASS
Camber Test:	PASS
Surface Resistivity Test:	PASS
Fit Analysis:	PASS
Drop Test:	PASS

### Qualification Data: 7 Inch Reel Diameter

This qualification has been specifically developed for the validation of this change. The qualification data validates that the proposed change meets the applicable released technical specifications.

**Qualification:** ☐ Plan ☒ Test Results

#### Qualification Device Construction Details:

#### Qualification summary for 7" diameter, 8mm width

Supplier:	<b>C-PAK</b>
Vendor Part No:	<b>7E2M08BKCP/ASL</b>
Material:	<b>Anti-static Dipped PS</b>
Designed per EIA-481B	<b>Yes</b> (yes/no)
Intrinsically Static Diss.	<b>No</b> (yes/no)
Weight (g)	<b>n/a</b>
Color:	<b>Black</b>
TI Part No:	<b>4203839-0005</b> (If available)
Result:	<b>PASS</b>
Date:	<b>13th Dec 2006</b>

- I. First Article Inspection Test
- II. Surface Resistivity Test
- III. Dimensional Test
- IV. Warpage Test
- V. Manufacturability Test
- VI. Drop test

PASS	(Pass/Fail)
PASS	
PASS	
PASS	
PASS	
PASS	

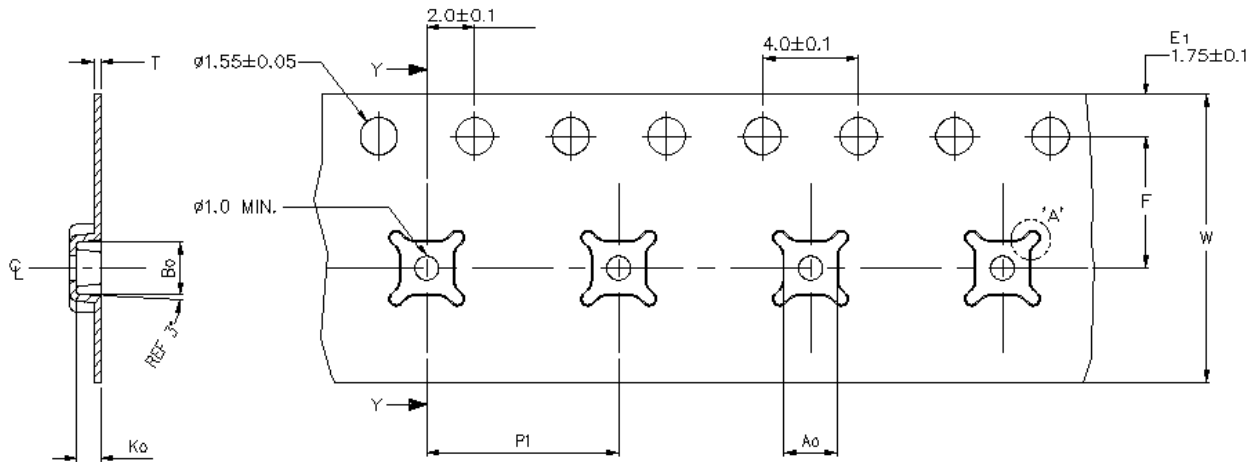
For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

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>

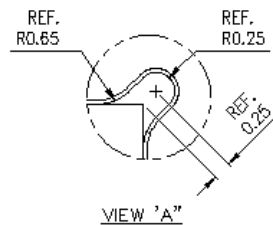
**See Appendix A on the following three pages**

## Appendix A Carrier Tape "From/To" Detail

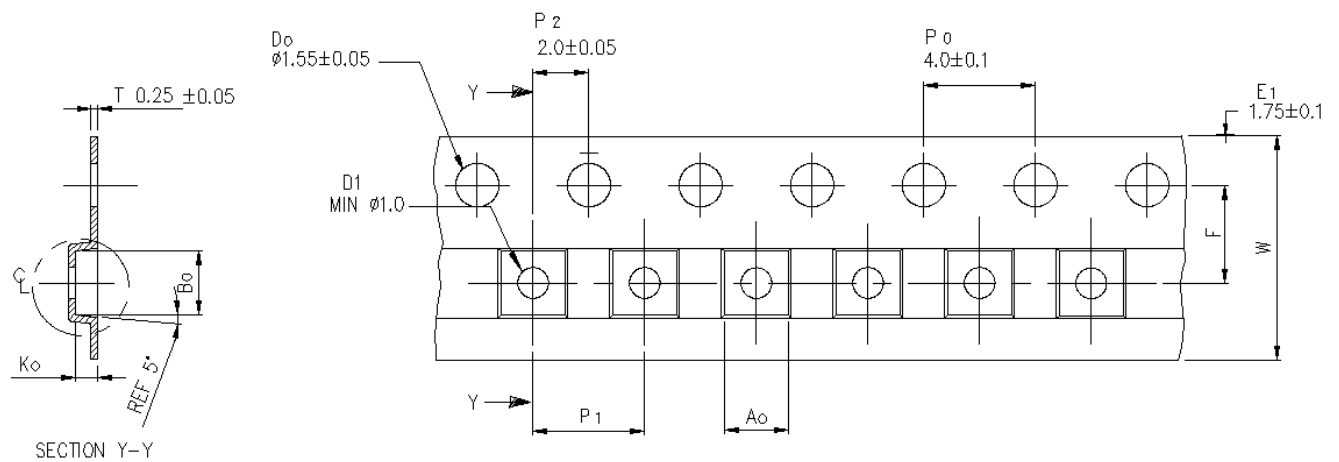
### FROM CARRIER TAPE: 4136158-0094



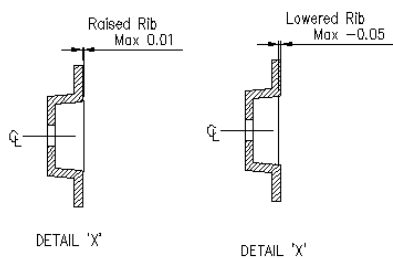
Ao	2.20 +/ -0.1
Bo	2.20 +/ -0.1
Ko	1.10 +/ -0.1
F	5.50 +/ -0.1
P1	8.00 +/ -0.1
W	12.00 +/ -0.3



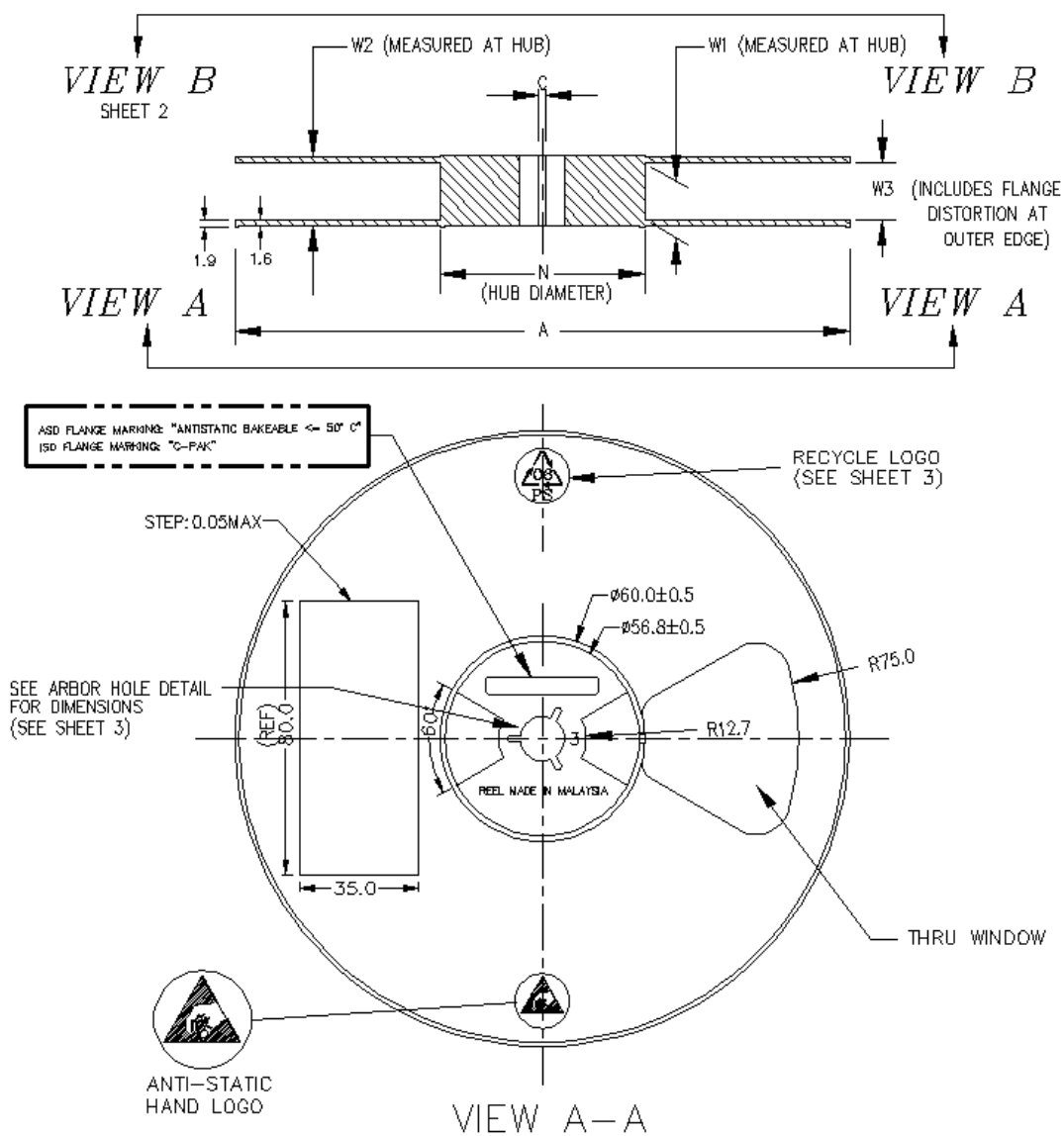
### TO CARRIER TAPE: 4136158-0149

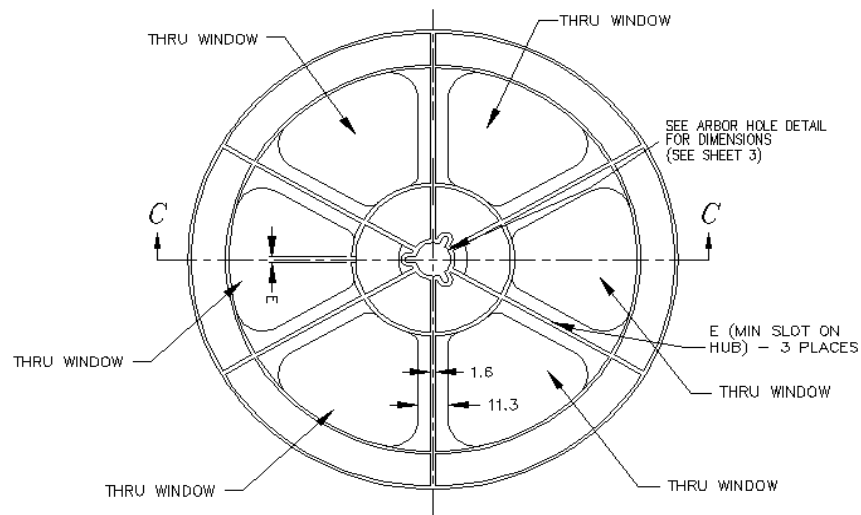


Ao	2.30	+/- 0.05
Bo	2.30	+/- 0.05
Ko	1.15	+/- 0.05
F	3.50	+/- 0.05
P1	4.00	+/- 0.10
W	8.00	+/- 0.10

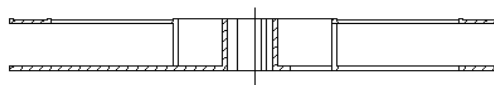


## 7 Inch Reel Drawing (TI P/N: 4203839-0005)

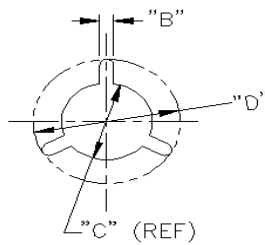




VIEW B-B  
BACK VIEW



SECTION C-C



ARBOR HOLE



STATIC DISSIPATIVE  
(BLACK)

### RECYCLE SYMBOL DESCRIPTION

MAT'L REV LTR	PART NUMBER	SUPPLIER PART NUMBER	MATL TYPE	ESD TYPE	TAPE SIZE (MM)	A (MAX.)	B (MIN.)	C (±0.2)	D (MIN.)	E	N (MIN.)	W1	W2 (MAX.)	W3 (MIN./MAX.)
A	4203839-0005	7E2 M08 BK CP/ASL	PS	ASD	8.0	180	1.5	13.0	20.2	4.0±0.1	60.0	8.4 +1.5/-0.0	14.4	7.9/10.9

ASD = Anti Static Dip