



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

**PCN# 20131015000**  
**Qualification of 12mm Tape width for Select Devices**  
**on QFN Package**  
**Change Notification / Sample Request**

**Date:** 10/18/2013  
**To:** MOUSER 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 changes discussed within this PCN will not take effect any earlier than **90** days from the date of this notification, unless customer agreement has been reached on an earlier implementation of the change. This notification period is per TI's standard process.

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

**20131015000**  
**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>
CSD87312Q3E	null

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

<b>PCN Number:</b>	20131015000			<b>PCN Date:</b>	10/18/2013
<b>Title:</b>	Qualification of 12mm Tape width for Select Devices on QFN Package				
<b>Customer Contact:</b>	<a href="#">PCN Manager</a>	<b>Phone:</b>	+1(214)480-6037	<b>Dept:</b>	Quality Services
<b>Proposed 1<sup>st</sup> Ship Date:</b>	01/18/2014	<b>Estimated Sample Availability:</b>	Date provided upon sample request		
<b>Change Type:</b>	<input checked="" type="checkbox"/> Packing/Shipping/Labeling				
<b>PCN Details</b>					
<b>Description of Change:</b>					
Final Notification to announce the qualification from 16mm tape width to 12mm tape width for QFN devices (See Appendix A for the Carrier Tape "From/To" Detail).					
<b>Pack BOM</b>	<b>Package Size</b>	<b>Current</b>		<b>Proposed</b>	
		<b>TI P/N</b>	<b>Details</b>	<b>TI P/N</b>	<b>Details</b>
Tape	3.3x3.3mm	4212589-0004	16mm width	<a href="#">4212589-0018</a>	12mm width
<b>Reason for Change:</b>					
Standardization of tape width size for 3.3x3.3mm QFN packages.					
<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>					
<a href="#">CSD87312Q3E</a>		<a href="#">CSD95379Q3M</a>			

### Qualification Data:

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.	
<b>Qualification:</b>	<input type="checkbox"/> Plan <input checked="" type="checkbox"/> <b>Test Results</b>
<b>Qualification Device Construction Details:</b>	
<b>12mm tape Width</b>	<b>Pass/Fail</b>
First Article Inspection Test:	PASS
Manufacturability Test:	PASS
Dimensional Test:	PASS
Camber Test:	PASS
Surface Resistivity Test:	PASS
Fit Analysis:	PASS
Drop Test:	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>

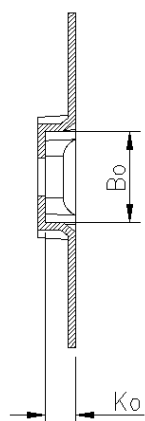
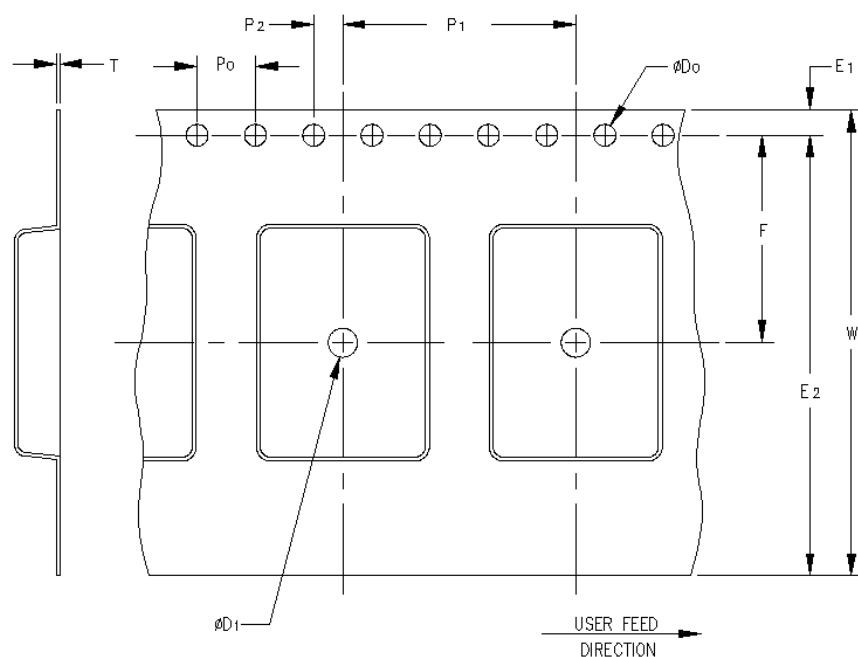
**See Appendix A on the following two pages**

# Appendix A

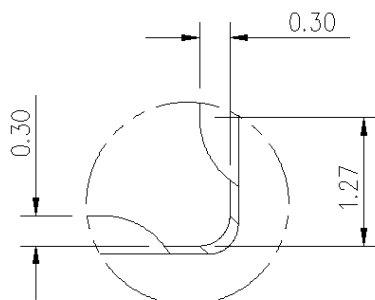
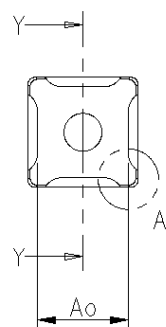
## Carrier Tape “From/To” Detail

### Change from 16mm width tape to 12mm width tape for VQFN devices

FROM 16mm WIDTH CARRIER TAPE: 4212589-0004

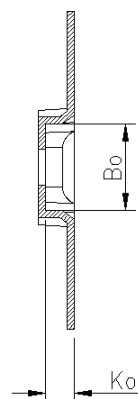
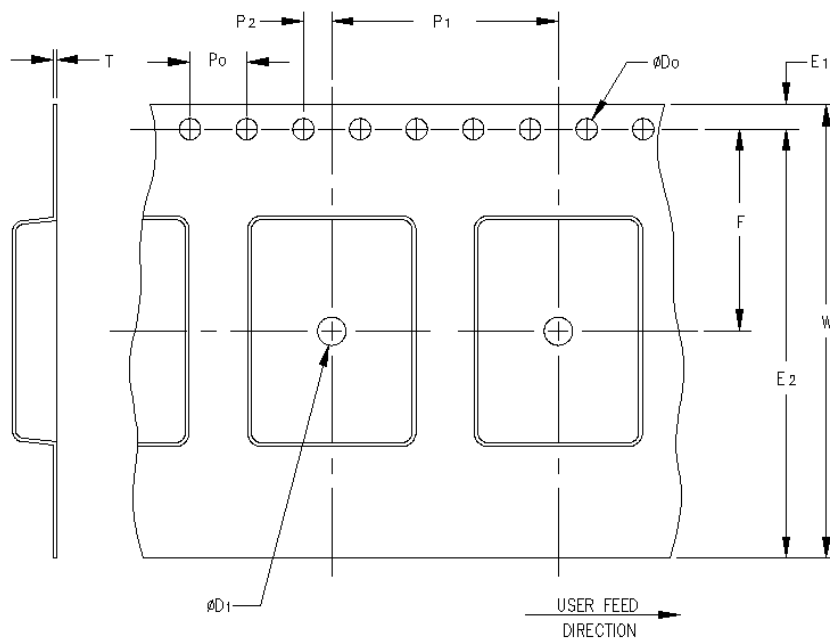


SECTION Y-Y

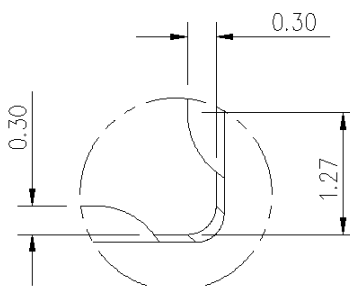
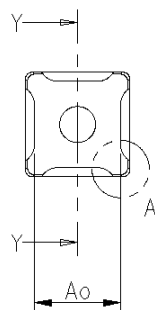


$A_0$	3.60 +/- 0.10
$B_0$	3.60 +/- 0.10
$K_0$	1.20 +/- 0.10
$F$	7.50 +/- 0.05
$P_1$	8.00 +/- 0.10
$W$	16.00 +/- 0.30

TO 12mm WIDTH CARRIER TAPE: 4212589-0018



SECTION Y-Y



$A_0$	$3.60 \pm 0.10$
$B_0$	$3.60 \pm 0.10$
$K_0$	$1.20 \pm 0.10$
$F$	$5.50 \pm 0.05$
$P_1$	$8.00 \pm 0.10$
$W$	$12.00 \pm 0.30$