

PCN# 20150211000A
Qualification of Carrier Tape for 14/16 pin SOP
and 28 pin SSOP device
Change Notification / Sample Request

Dear Customer:

The purpose of this version A is to make a correction in the PCN Anticipated impact on Form, Fit, Function, Quality or Reliability section. We apologize for any inconvenience this may have caused.

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).

Sincerely,

PCN Team
SC Business Services

PCN# 20150211000A
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).

PCN Number:	20150211000A		PCN Date:	03/06/2015																						
Title:	Qualification of Carrier Tape for 14/16 pin SOP and 28 pin SSOP device																									
Customer Contact:	PCN Manager		Dept:	Quality Services																						
Proposed 1st Ship Date:	05/23/2015		Estimated Sample Availability:	Date provided at sample request																						
Change Type:																										
☐	Assembly Site	☐	Design	☐	Wafer Bump Site																					
☐	Assembly Process	☐	Data Sheet	☐	Wafer Bump Material																					
☐	Assembly Materials	☐	Part number change	☐	Wafer Bump Process																					
☐	Mechanical Specification	☐	Test Site	☐	Wafer Fab Site																					
☒	Packing/Shipping/Labeling	☐	Test Process	☐	Wafer Fab Materials																					
				☐	Wafer Fab Process																					
PCN Details																										
Description of Change:																										
Revision A is to update the comment made on Anticipated impact on Form, Fit, Function, Quality or Reliability section of this PCN. This was an error and it should be in Reason for change section and highlighted in yellow.																										
This notification is to inform of TI's Qualification of change for Carrier Tape 4135168-0070 supporting 14/16 pin SOP and 28 pin SSOP package devices. Carrier tape comparison as follows: Carrier Tape Comparison: <table border="1"> <thead> <tr> <th>Item</th> <th>Current</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>Supplier</td> <td>Cpak</td> <td>Cpak</td> </tr> <tr> <td>Material</td> <td>Polystyrene</td> <td>Polystyrene</td> </tr> <tr> <td>Color</td> <td>Black</td> <td>Black</td> </tr> <tr> <td>Dimension (detail comparison in table 2 in sheet 4)</td> <td> A0 = 8.1mm ± 0.1 B0 = 10.50mm ± 0.1 K0 = 2.5mm ± 0.1 K1 = 2.2mm ± 0.1 W = 16.0mm ± 0.3 </td> <td> A0 = 8.60mm ± 0.1 B0 = 10.50mm ± 0.1 K0 = 2.50mm ± 0.1 K1 = 1.95mm ± 0.1 W = 16.00mm ± 0.1 </td> </tr> <tr> <td>Surface resistivity</td> <td>Between 1.01x 10⁵ to 8.12 x 10⁵</td> <td>Between 1.54x10⁵ to 5.37 x 10⁶</td> </tr> <tr> <td>Part number</td> <td>4135168-0070</td> <td>4212589-0026</td> </tr> </tbody> </table>						Item	Current	Proposed	Supplier	Cpak	Cpak	Material	Polystyrene	Polystyrene	Color	Black	Black	Dimension (detail comparison in table 2 in sheet 4)	A0 = 8.1mm ± 0.1 B0 = 10.50mm ± 0.1 K0 = 2.5mm ± 0.1 K1 = 2.2mm ± 0.1 W = 16.0mm ± 0.3	A0 = 8.60mm ± 0.1 B0 = 10.50mm ± 0.1 K0 = 2.50mm ± 0.1 K1 = 1.95mm ± 0.1 W = 16.00mm ± 0.1	Surface resistivity	Between 1.01x 10 ⁵ to 8.12 x 10 ⁵	Between 1.54x10 ⁵ to 5.37 x 10 ⁶	Part number	4135168-0070	4212589-0026
Item	Current	Proposed																								
Supplier	Cpak	Cpak																								
Material	Polystyrene	Polystyrene																								
Color	Black	Black																								
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Part number	4135168-0070	4212589-0026																								
Reason for Change:																										
Continuity of Packaging. Tape Side pocket reflection causing high rejection rate on lead abnormality during Tape and Reel process																										
Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):																										
None. Tape Side pocket reflection causing high rejection rate on lead abnormality during Tape and Reel process																										
Changes to product identification resulting from this PCN:																										
None																										
Product Affected:																										

74AC11008NSR	PCM1804DBR	SN74HC03NSR	SN74LS670NSR
74AC11032NSR	PCM2704CDBR	SN74HC04ANSR	SN74LS74ANSR
74AC11138NSR	PCM2704DBR	SN74HC04NSR	SN74LS75NSR
74ACT11074NSR	PCM2704S1DBR	SN74HC05ANSR	SN74LS85NSR
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ADS1256IDBT	PCM2705DBR	SN74HC08ANSR	SN74LS90NSR
ADS7871IDBR	PCM2900BDBR	SN74HC08NSR	SN74LS92NSR
ADS932E/2K	PCM2900CDBR	SN74HC109NSR	SN74LV00ANSR
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AM26LV31CNSR	PCM2906BS1DBR	SN74HC126NSR	SN74LV11ANSR
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AM26LV32CNSR	PCM4202DBR	SN74HC138ANSR	SN74LV125ATNSR
AM26LV32EINSR	PCM4202DBT	SN74HC138NSR	SN74LV126ANSR
AM26LV32INSR	PCM4202IDBREP	SN74HC139ANSR	SN74LV132ANSR
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BUS1066H1NSR	SN101178NSR	SN74HC148NSR	SN74LV14ANSR
BUS1072JNSR	SN105239ADBR	SN74HC14ANSR	SN74LV157ANSR
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CD4046BNSR	SN74AHC00NSR	SN74HC259ANSR	SN74LVTH125NSR
CD4047BNSR	SN74AHC02NSR	SN74HC259NSR	SN74LVTH126NSR
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CD4063BNSR	SN74AHC138NSR	SN74HC365NSR	SN74S38NSR
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CD4068BNSR	SN74AHC14NSR	SN74HC367NSR	SN75107ANSR
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CD4075BNSR	SN74AHC86NSR	SN74HC4040NSR	SN751178NSR
CD4077BNSR	SN74AHCT00NSR	SN74HC4060NSR	SN75121NSR
CD4078BNSR	SN74AHCT02NSR	SN74HC4066NSR	SN75124NSR
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CD4536BNSR	SN74ALS139NSR	SN74HCU04ANSR	SN75C1167NSR
CD4541BNSR	SN74ALS151NSR	SN74HCU04NSR	SN75C1168NSR
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CD74HC4050NSR	SN74ALVC14NSR	SN74LS132NSR	TL1451INSR
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CD74HC4075NSR	SN74AS04NSR	SN74LS145NSR	TL441CNSR
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LM2902KNSR	SN74AS21NSR	SN74LS165ANSR	TLC3704CNSR
LM2902NSR	SN74AS257NSR	SN74LS166ANSR	TLC374CNSR
LM324ANSR	SN74AS27NSR	SN74LS174NSR	TLC7524CNSR
LM324KANSR	SN74AS280NSR	SN74LS175NSR	TLS9110NSR
LM324KNSR	SN74AS32NSR	SN74LS191NSR	TPS2201IDBR
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MAX211IDBR	SN74F10NSR	SN74LS247NSR	TPS2216DBR
MAX213CDBR	SN74F112NSR	SN74LS251NSR	TPS2226ADBR
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PCM1792ADBR	SN74HC00ANSR	SN74LS51NSR	ULN2004AINSR
PCM1794ADBR	SN74HC00NSR	SN74LS590NSR	ULN2004ANSR
PCM1795DBR	SN74HC02ANSR	SN74LS592NSR	
PCM1796DBR	SN74HC02NSR	SN74LS624NSR	

Qualification Data



Revision: C

EQ# :

A/T Site: MLA

Lead Package Carrier Tape Qualification Summary

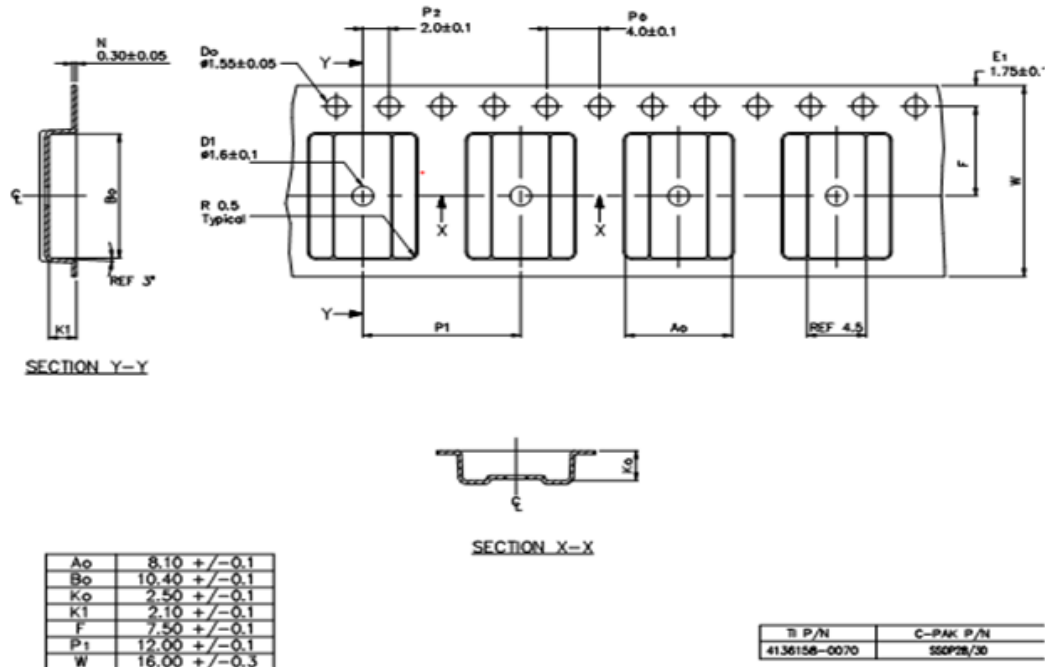
Reference (QSS 003-008, 009-006, 014-102, 007-102)

Supplier:	C-PAK PTE LTD
Supplier Part No:	S406031119-01
TI Part No:	4212589-0026 (If available)
Weight/meter (g):	4.8 gm
Material:	14 NS
Package Description:	SOP
Package Designator:	SSOP 28H6 CL3 22X6G3 L390 W16
Result:	PASS
Date:	August 19, 2014

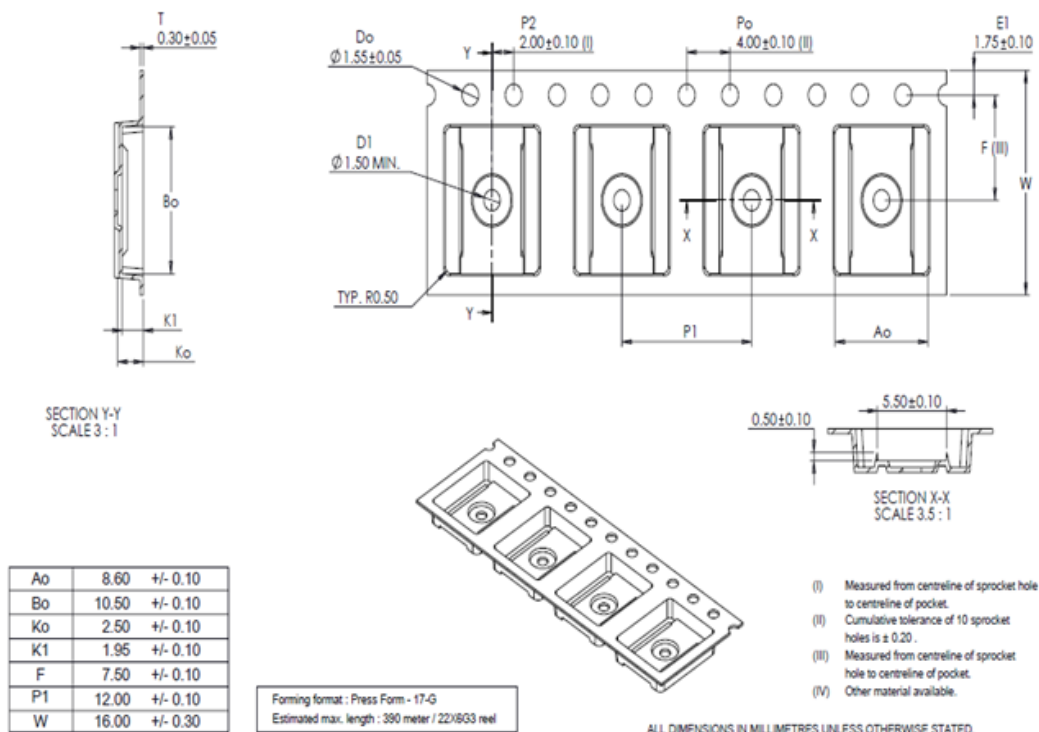
I. First Article Inspection Test	PASS (Pass/Fail)
II. Manufacturability Test	PASS
III. Dimensional Test	PASS
IV. Camber Test	PASS
V. Electrical Test	PASS
VI. Fit Analysis	PASS
VII. Drop Test	PASS

Appendix A: Tape Design comparison

Current Tape



Proposed Tape



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	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
Japan	PCNJapanContact@list.ti.com