

PCN Number:	20130909003			PCN Date:	09/13/2013						
Title:	Carrier Tape Packing Material change for LM3530UMX Device										
Customer Contact:	PCN Manager	Phone:	+1(214) 480-6037	Dept:	Quality Services						
Change Type:											
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Assembly Process	<input type="checkbox"/>	Assembly Materials						
<input type="checkbox"/>	Design	<input type="checkbox"/>	Electrical Specification	<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:											
Carrier Tape Material change for LM3530UMX Device. Pack material differences are shown below:											
<table border="1"> <thead> <tr> <th style="background-color: #92d050;">Pack BOM</th> <th style="background-color: #92d050;">Current material</th> <th style="background-color: #92d050;">Proposed material</th> </tr> </thead> <tbody> <tr> <td>Tape</td> <td>8097067-0001 Ao: 1.35 +/-0.05mm Bo: 1.65+/-0.05mm</td> <td>4212589-0014 Ao: 1.37 +/-0.05mm Bo: 1.77+/-0.05mm</td> </tr> </tbody> </table>						Pack BOM	Current material	Proposed material	Tape	8097067-0001 Ao: 1.35 +/-0.05mm Bo: 1.65+/-0.05mm	4212589-0014 Ao: 1.37 +/-0.05mm Bo: 1.77+/-0.05mm
Pack BOM	Current material	Proposed material									
Tape	8097067-0001 Ao: 1.35 +/-0.05mm Bo: 1.65+/-0.05mm	4212589-0014 Ao: 1.37 +/-0.05mm Bo: 1.77+/-0.05mm									
(See Appendix A for Tape "From/To" Detail)											
Reason for Change:											
Existing carrier tape 8097067-0001 causing LM3530UMX device to be stuck in the carrier tape pocket during SMT pick and place process.											
Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):											
None											
Changes to product identification resulting from this PCN:											
None											
Product Affected:											
LM3530UME-40/NOPB		LM3530UMX-25A/NOPB									
LM3530UMX-40/NOPB		LM3530UMX-40B/NOPB									
LM3530UME-25A/NOPB		LM3530UMX-25A/S7002914									
LM3530UME-40B/NOPB		LM3530UMX-25A/S7003079									

Qualification Summary for 4212589-0014 Carrier Tape

Supplier:	<u>CPAK</u>
Vendor Part No:	<u>BD0137X0177 F25 20X6G3 L500 W8</u>
TI Part No:	<u>4212589-0014</u> (If available)
Weight/meter (g):	<u>NA</u>
Material:	<u>Polycarbonate (PC)</u>
Package Description	<u>DSBGA</u>
Package Designator:	<u>YFZ 12</u>
Result:	<u>Pass</u>
Date:	<u>July 24, 2013</u>

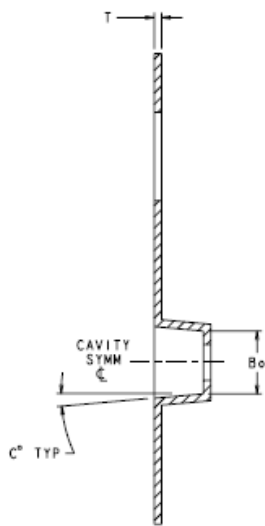
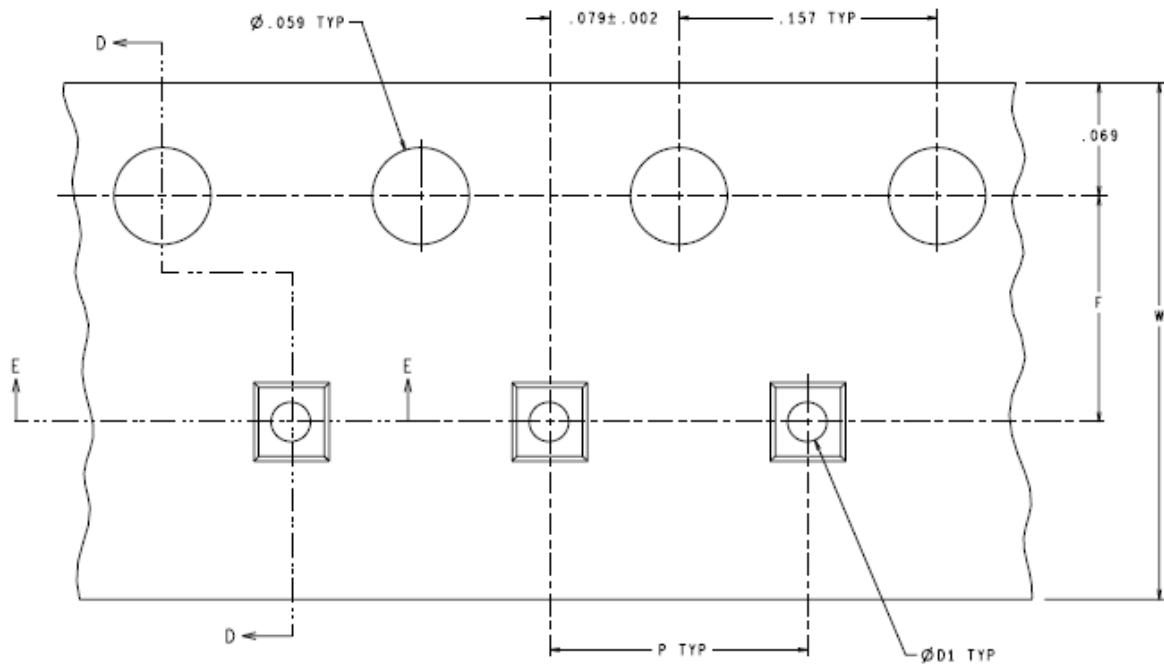
I. First Article Inspection Test	<u>PASS</u>	(Pass/Fail)
II. Manufacturability Test	<u>PASS</u>	
III. Dimensional Test	<u>PASS</u>	
IV. Camber Test	<u>PASS</u>	
V. Surface Resistivity Test	<u>PASS</u>	
VI. Fit Analysis	<u>PASS</u>	
VII. Drop Test	<u>PASS</u>	

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

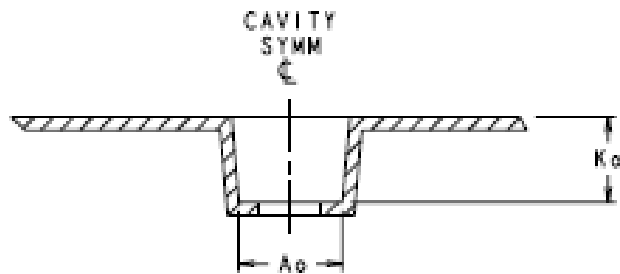
Location	E-Mail
USA	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
Japan	PCNJapanContact@list.ti.com

Appendix A Carrier Tape "From/To" Detail

FROM CARRIER TAPE: 8097067-0001



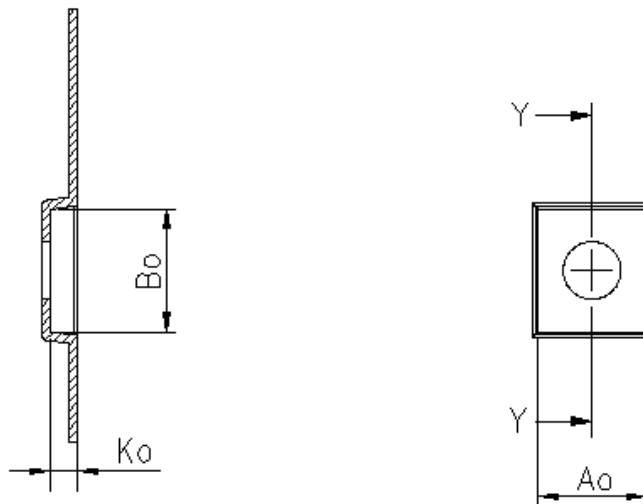
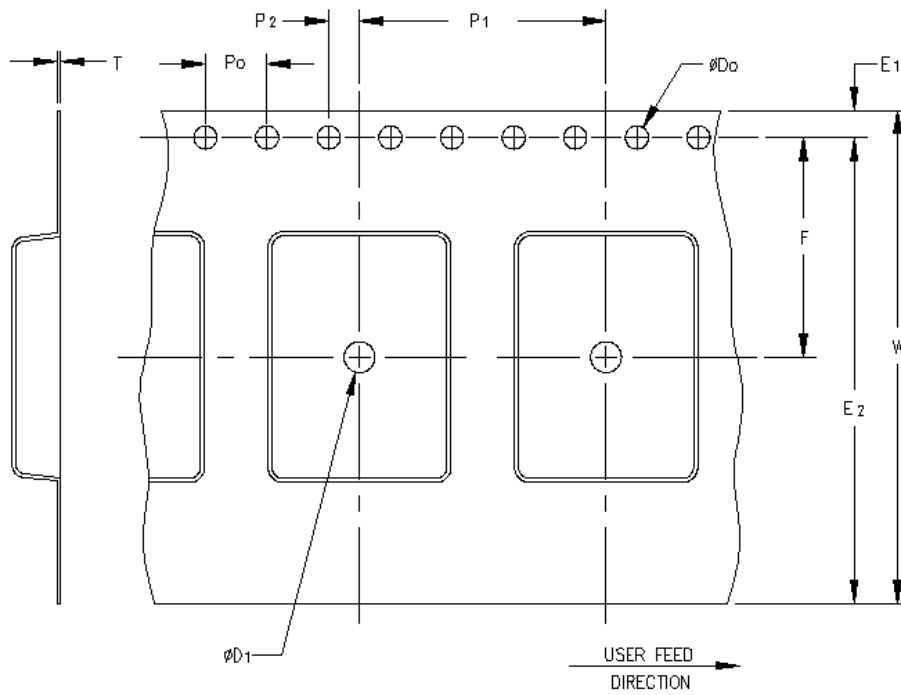
SECTION D-D



SECTION E-E

A _o	1.35 +/−0.05
B _o	1.65 +/−0.05
K _o	0.56 +/−0.05
F	3.50 +/−0.1
P ₁	4.00 +/−0.1
W	8.00 +/−0.3

TO CARRIER TAPE: 4212589-0014



A_0	1.37 \pm 0.05
B_0	1.77 \pm 0.05
K_0	0.56 \pm 0.05
F	3.50 \pm 0.1
P_1	4.00 \pm 0.1
W	8.00 \pm 0.3