



Title of Change:	Lead Frame Vendor and Design change for PDIP7 Products Assembled in Advanced Semiconductor Engineering (ASE) Kunshan, China.
Proposed first ship date:	13 May 2017 or earlier after customer approval
Contact information:	Contact your local ON Semiconductor Sales Office or <marty.paul@onsemi.com>
Samples:	Contact your local ON Semiconductor Sales Office
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or <andy.esteva@onsemi.com>
Type of notification:	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. ON Semiconductor will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact <PCN.Support@onsemi.com>.
Change Part Identification:	Affected products will be identified with date code 1720 or newer. After DC 1720, customers will receive products assembled with either lead frame vendor.
Change category:	<input type="checkbox"/> Wafer Fab Change <input checked="" type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input type="checkbox"/> Other _____

Change Sub-Category(s):		
<input type="checkbox"/> Manufacturing Site Change/Addition	<input checked="" type="checkbox"/> Material Change	<input type="checkbox"/> Datasheet/Product Doc change
<input type="checkbox"/> Manufacturing Process Change	<input type="checkbox"/> Product specific change	<input type="checkbox"/> Shipping/Packaging/Marking
		<input type="checkbox"/> Other: _____

Sites Affected:		
<input type="checkbox"/> All site(s)	<input type="checkbox"/> not applicable	<input type="checkbox"/> ON Semiconductor site(s):
		<input checked="" type="checkbox"/> External Foundry/Subcon site(s) Advanced Semiconductor Engineering Kunshan

Description and Purpose:

This FPCN is to notify customers that qualification has been completed for a new Lead Frame vendor on PDIP7 packages assembled at the Assembled in Advanced Semiconductor Engineering (ASE), Kunshan, China assembly location for the products listed in this announcement.

Material to be changed	Before Change	After Change
	Description	Description
Leadframe	PDIP7 Lead frame with 4 tie bars	PDIP7 Lead frame with 3 tie bars and new vendor

The form of the Lead Frame has also been modified to improve creepage distance between tie bars, see figure 1. One tie bar has been removed.

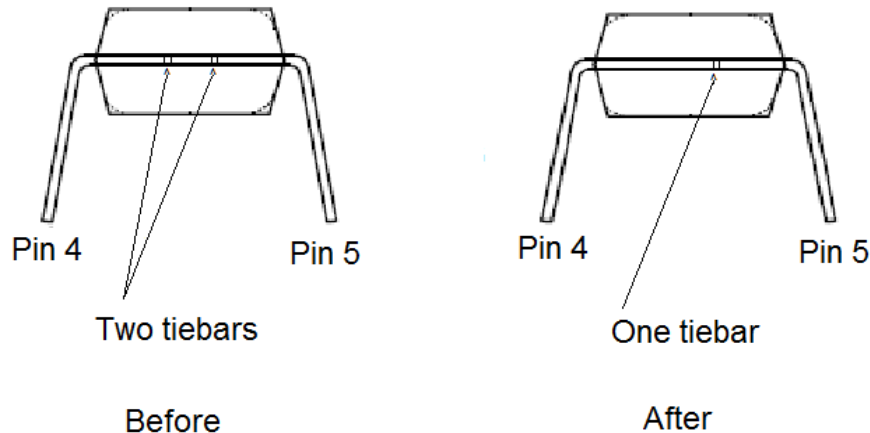
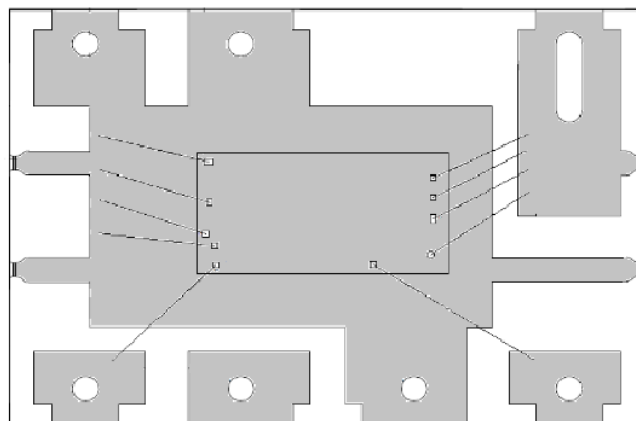
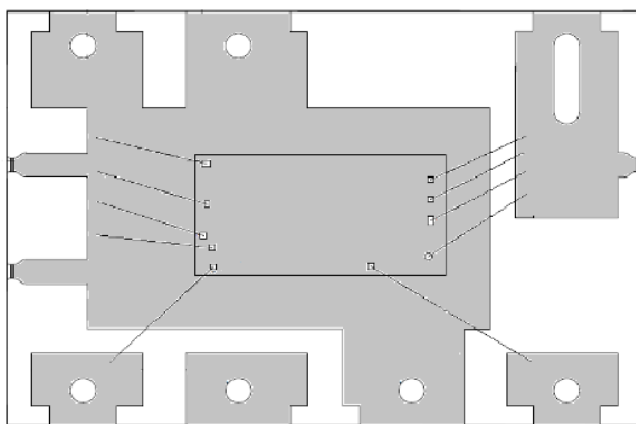


Figure 1 - External End View



Before



After

Figure 2 - Xray view

Reliability Data Summary:

QV DEVICE NAME: NCP1076P065G

PACKAGE: PDIP7 (Less Pin 6)

Test	Specification	Condition	Interval	Results
TC	JESD22-A104	Ta= -65°C to +150°C	500 cyc	0/240
UHAST	JESD22-A118	130°C, 85% RH, 18.8psig	96 hrs	0/240
HTSL	JESD22-A103	Ta= 150°C	1000 hrs	0/240
RSH	JESD22-106	265°C 10 sec dwell	10 sec	0/30

Electrical Characteristic Summary: Electrical characteristics are not impacted



List of affected Standard Parts:

Part Number	Qualification Vehicle
NCP1070P065G	NCP1076P065G
NCP1070P100G	NCP1076P065G
NCP1070P130G	NCP1076P065G
NCP1071P065G	NCP1076P065G
NCP1071P100G	NCP1076P065G
NCP1071P130G	NCP1076P065G
NCP1072P065G	NCP1076P065G
NCP1072P100BG	NCP1076P065G
NCP1072P100G	NCP1076P065G
NCP1075P065G	NCP1076P065G
NCP1075P100G	NCP1076P065G
NCP1075P130G	NCP1076P065G
NCP1076P065G	NCP1076P065G
NCP1076P100G	NCP1076P065G
NCP1076P130G	NCP1076P065G
NCP1077P065G	NCP1076P065G
NCP1077P100G	NCP1076P065G
NCP1077P130G	NCP1076P065G
NCP1010AP065G	NCP1076P065G
NCP1010AP100G	NCP1076P065G
NCP1010AP130G	NCP1076P065G
NCP1011AP065G	NCP1076P065G
NCP1011AP100G	NCP1076P065G
NCP1011AP130G	NCP1076P065G
NCP1012AP065G	NCP1076P065G
NCP1012AP100G	NCP1076P065G
NCP1012AP133G	NCP1076P065G
NCP1013AP065G	NCP1076P065G
NCP1013AP100G	NCP1076P065G
NCP1013AP133G	NCP1076P065G
NCP1014AP065G	NCP1076P065G
NCP1014AP100G	NCP1076P065G
NCP1015AP065G	NCP1076P065G
NCP1015AP100G	NCP1076P065G
SC1076P065G	NCP1076P065G