

PCN Number:	20180413000A	PCN Date:	April 30, 2018
Title:	Datasheet Reflow Information Update		
Customer Contact:	PCN Manager	Dept:	Quality Services
Change Type:			
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design
<input type="checkbox"/>	Assembly Process	<input checked="" type="checkbox"/>	Data Sheet
<input type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site
<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Material
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Site
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Materials
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Process

Notification Details

Description of Change:

Correction: Products Affected

Some of the devices were included in the wrong temperature table in the prior release. Rev A is being issued to correct the error.

Texas Instruments Incorporated is announcing an information only notification.

The product datasheets are being updated as summarized below. See the change description below.

Change Description:

Increased the peak reflow temperature and maximum number of reflows to JEDEC specifications for improved manufacturability

The datasheet revision numbers will be changing.

Device Family	Change From:	Change To:	Datasheet link
LMZ30602	SNVS997A	SNVS997B	http://www.ti.com/product/LMZ30602
LMZ30604	SNVS998A	SNVS998B	http://www.ti.com/product/LMZ30604
LMZ30606	SNVS995A	SNVS995B	http://www.ti.com/product/LMZ30606
LMZ31503	SNVS992A	SNVS992B	http://www.ti.com/product/LMZ31503
LMZ31506	SNVS993A	SNVS993B	http://www.ti.com/product/LMZ31506
LMZ31506H	SNVS996A	SNVS996B	http://www.ti.com/product/LMZ31506H
LMZ31520	SLVSBM9C	SLVSBM9D	http://www.ti.com/product/LMZ31520
LMZ31530	SLVSB7C	SLVSB7D	http://www.ti.com/product/LMZ31530
LMZ31704	SLVSBV8B	SLVSBV8C	http://www.ti.com/product/LMZ31704
LMZ31707	SLVSBV7B	SLVSBV7C	http://www.ti.com/product/LMZ31707
LMZ31710	SNVS987B	SNVS987C	http://www.ti.com/product/LMZ31710
LMZ34002	SNVS989B	SNVS989C	http://www.ti.com/product/LMZ34002
LMZ34202	SNVSAJ2A	SNVSAJ2B	http://www.ti.com/product/LMZ34202
LMZ35003	SNVS988A	SNVS988B	http://www.ti.com/product/LMZ35003
LMZ36002	SNVSA92B	SNVSA92C	http://www.ti.com/product/LMZ36002
TPS84210	SLUSAN7B	SLUSAN7C	http://www.ti.com/product/TPS84210
TPS84250	SLVSAR6B	SLVSAR6C	http://www.ti.com/product/TPS84250
TPS84259	SLVSA0C	SLVSA0D	http://www.ti.com/product/TPS84259
TPS84320	SLUSAH7A	SLUSAH7B	http://www.ti.com/product/TPS84320
TPS84410	SLVSAR5B	SLVSAR5C	http://www.ti.com/product/TPS84410

TPS84610	SLVSAZ4A	SLVSAZ4B	http://www.ti.com/product/TPS84610
TPS84620	SLVSA43E	SLVSA43F	http://www.ti.com/product/TPS84620
TPS84621	SLVSAW7D	SLVSAW7E	http://www.ti.com/product/TPS84621
TPS84A20	SLVSBC6A	SLVSBC6B	http://www.ti.com/product/TPS84A20

Reason for Change:

To accurately represent the device characteristics. MSL reflow temperatures ratings for these products were decreased in 2017 (reference PCN 20170609003). MSL Reflow temperature performance has been improved through the qualification of an improved lead frame. This change has been qualified and implemented through TI internal controls. This datasheet change is being enacted to document this improvement and allow customers to process these products at higher reflow temperatures if required. The revised reflow temperatures apply to devices with date code 1814 or later.

Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):

No anticipated impact. This is a specification change announcement only. There are no changes to the actual device that affect form, fit, function, Quality or Reliability.

Changes to product identification resulting from this PCN:

The reflow temperature change is reflected on the label.

Sample product shipping label (not actual product label)

MS LVL:3 SEAL DT:06/xx/17
FLR LIFE: 168 hrs TMP: 245C



MS LVL:3 SEAL DT:06/xx/17
FLR LIFE: 168 hrs TMP: 250C



Product Affected:

Absolute Maximum Ratings table update:

Peak Reflow Case Temperature ⁽³⁾	245	° C
Maximum Number of Reflows Allowed ⁽³⁾	3	

Note 3: The revised reflow temperatures apply to devices with date code 1814 or later.

Device	Reflow temp	# Reflows
LMZ31503RUQR	245	3x
LMZ31503RUQR-P	245	3x
LMZ31503RUQT	245	3x
LMZ31506HRUQR	245	3x
LMZ31506HRUQT	245	3x
LMZ31506RUQR	245	3x
LMZ31506RUQR-P	245	3x
LMZ31506RUQT	245	3x
LMZ31520RLGR	245	3x
LMZ31520RLGT	245	3x
LMZ31530RLGR	245	3x
LMZ31530RLGT	245	3x
LMZ31704RVQR	245	3x
LMZ31704RVQT	245	3x
LMZ31707RVQR	245	3x
LMZ31707RVQT	245	3x
LMZ31710RVQR	245	3x
LMZ31710RVQT	245	3x
LMZ34202RVQR	245	3x
LMZ34202RVQT	245	3x
LMZ36002HRVQR	245	3x
LMZ36002HRVQT	245	3x
LMZ36002RVQR	245	3x
LMZ36002RVQT	245	3x
TPS84320RUQR	245	3x
TPS84320RUQT	245	3x
TPS84620RUQR	245	3x
TPS84620RUQT	245	3x
TPS84621RUQR	245	3x
TPS84621RUQT	245	3x
TPS84A20RVQR	245	3x
TPS84A20RVQT	245	3x

Absolute Maximum Ratings table update:

Peak Reflow Case Temperature ⁽³⁾	250	° C
Maximum Number of Reflows Allowed ⁽³⁾	3	

Note 3: The revised reflow temperatures apply to devices with date code 1814 or later.

Device	Reflow temp	# Reflows
LMZ30602RKGR	250	3x
LMZ30602RKGT	250	3x
LMZ30604RKGR	250	3x
LMZ30604RKGT	250	3x
LMZ30606RKGR	250	3x
LMZ30606RKGT	250	3x
LMZ34002RKGR	250	3x
LMZ34002RKGT	250	3x
LMZ35003RKGR	250	3x
LMZ35003RKGR-P	250	3x
LMZ35003RKGT	250	3x
TPS84210RKGR	250	3x
TPS84210RKGT	250	3x
TPS84250RKGR	250	3x
TPS84250RKGT	250	3x
TPS84259RKGR	250	3x
TPS84259RKGT	250	3x
TPS84410RKGR	250	3x
TPS84410RKGT	250	3x
TPS84610RKGR	250	3x
TPS84610RKGT	250	3x
WPMDB1200362QT	250	3x
WPMDB1400362QT	250	3x
WPMDB1600362QT	250	3x
WPMDB1251501NT	250	3x

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

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Japan	PCNJapanContact@list.ti.com