

<b>PCN Number:</b>	20140725000	<b>PCN Date:</b>	07/25/2014
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<b>Title:</b>	Qualification of alternate Bond Wire Material (Au) for the LM46002PWP family of devices		
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<b>Customer Contact:</b>	<a href="#">PCN Manager</a>	<b>Phone:</b>	+1(214)480-6037	<b>Dept:</b>	Quality Services
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<b>Proposed 1<sup>st</sup> Ship Date:</b>	10/25/2014	<b>Estimated Sample Availability:</b>	Date provided upon request
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<b>Change Type:</b>					
<input type="checkbox"/>	Assembly Site	<input checked="" type="checkbox"/>	Assembly Process	<input checked="" type="checkbox"/>	Assembly Materials
<input type="checkbox"/>	Design	<input type="checkbox"/>	Electrical Specification	<input type="checkbox"/>	Mechanical Specification
<input type="checkbox"/>	Test Site	<input 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
	<input type="checkbox"/>		Part number change		

**PCN Details**

**Description of Change:**

Texas Instruments is pleased to announce the qualification of Gold as an alternate bond wire for the LM46002PWP family of devices.

<b>What</b>	<b>Current</b>	<b>New</b>
Bond Wire Composition/Diameter	Cu/2.0 mils	<b>Au/2.0 mils &amp; Cu/2.0 mils</b>

**Reason for Change:**

Continuity of Supply

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

None

**Changes to product identification resulting from this PCN:**

None

**Product Affected**

LM46002PWP	LM46002PWPR	LM46002PWPT
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### Qualification Data – Approved July, 2014

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.

#### Qualification Vehicle : LM46002PWP (MSL 2-260C)

##### Package Construction Details

Assembly Site:	TAI	Mount Compound:	4208458
# Pins-Designator, Family:	16-PWP, TSSOP	Mold Compound:	4211649
Lead frame (Finish, Base):	NiPdAu, Cu	Bond Wire:	2.0 Mil Dia., Au
<b>Qualification:</b> <input type="checkbox"/> <b>Plan</b> <input checked="" type="checkbox"/> <b>Test Results</b>			
Reliability Test	Conditions	Sample Size/Fail	
**Autoclave 121C	121C, 2 atm (96 Hours)	77/0	
**T/C -65C/150C	-65C/+150C (500 Cycles)	77/0	
Notes    **- Preconditioning sequence: Level 2-260C.			

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>