



PCN# 20131024001
Qualification of TI Clark as additional Assembly site for selected VSON packaged
products
Change Notification / Sample Request

Date: 10/28/2013
To: MOUSER PCN

Dear Customer:

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 changes discussed within this PCN will not take effect any earlier than **90** days from the date of this notification, unless customer agreement has been reached on an earlier implementation of the change. This notification period is per TI's standard process.

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
Phone: +1(214) 480-6037
Fax: +1(214) 480-6659

20131024001
Attachment: 1

Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records, these are the devices that you have purchased within the past twenty-four (24) months. The corresponding customer part number is also listed, if available.

DEVICE	CUSTOMER PART NUMBER
CSD16556Q5B	null
CSD17556Q5B	null
CSD18502Q5B	null
CSD18532NQ5B	null
CSD18532Q5B	null

Technical details of this Product Change follow on the next page(s).

PCN Number:	20131024001			PCN Date:	10/28/2013
Title:	Qualification of TI Clark as additional Assembly site for selected VSON packaged products				
Customer Contact:	PCN Manager	Phone:	+1(214)480-6037		Dept: Quality Services
Proposed 1st Ship Date:	01/28/2014		Estimated Sample Availability:		11/30/2013
Change Type:					
<input checked="" type="checkbox"/> Assembly Site	<input checked="" type="checkbox"/> Assembly Materials				

PCN Details

Description of Change:

Qualification of TI Clark (Philippines) as an additional assembly site for below listed devices in the VSON package family. Material differences are noted below:

	SEM	TI Clark
Leadframe	201207/201221	4218176
Mold Compound	202828	4220838
Mount Solder	200757/202954	4208625
Lead Finish	Matte Sn	NiPdAu

Upon expiry of this PCN, TI will combine lead free solutions in a single standard part number, for example; **CSD18532Q5B** – can ship with both Matte Sn and NiPdAu.

Reason for Change:

Business Continuity

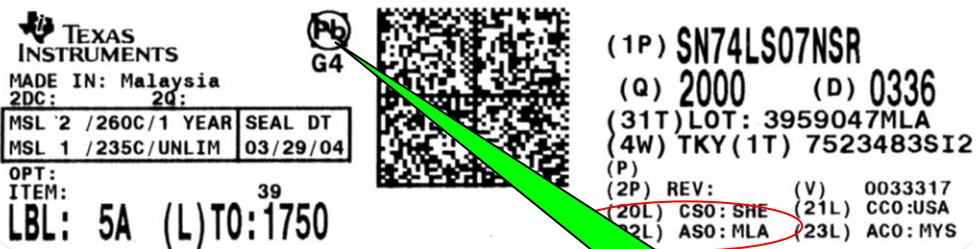
Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):

None

Changes to product identification resulting from this PCN:

Assembly Site		
PSI Technologies (SEM)	Assembly Site Origin (22L)	ASO: PAC
TI Clark	Assembly Site Origin (22L)	ASO: QAB

Sample product shipping label (not actual product label)



Topside Device marking:

Assembly site code for SEM= E

Assembly site code for TI Clark = I

Product Affected:			
CSD16556Q5B	CSD18502Q5B	CSD18532NQ5B	CSD18532Q5B
CSD17556Q5B			

Qualification Data

This qualification has been developed for the validation of this change. The qualification data validates that the proposed change meets the applicable released technical specifications.

Qual Vehicle: CSD18532Q5B

Package Construction Details

Assembly Site:	TI Clark	Mold Compound:	4208625
# Pins-Designator, Family:	8, DNK	Mount Solder:	4220838
Lead frame (Finish, Base):	NiPdAu, Cu	Bond Wire:	Au, 2.0 mils

Qualification: Plan Test Results

Reliability Test	Conditions	Sample Size/Fail		
		Lot# 1	Lot# 2	Lot# 3
HTRB	150°C/80% Rated Vds (1000 Hrs)	77/0	77/0	77/0
HTGB	150°C/80% Rated Vgs (1000 Hrs)	77/0	77/0	77/0
**THB	85°C/85%R.H./80% Rated Vds (1000 Hrs)	77/0	77/0	77/0
**Autoclave	121C/100% RH (96 Hrs)	77/0	77/0	77/0
Intermittent Op Life	Delta Tj=100°C, 2 min on/2 min off (10K Cy)	77/0	77/0	77/0
**Temp Cycle	-65°C to 150°C (500 Cy)	77/0	77/0	77/0

Notes **- Preconditioning sequence: Level 1-260C.

Qualification Data

This qualification has been developed for the validation of this change. The qualification data validates that the proposed change meets the applicable released technical specifications.

Qual Vehicle: CSD18502Q5B

Package Construction Details

Assembly Site:	TI Clark	Mold Compound:	4208625
# Pins-Designator, Family:	8, DNK	Mount Solder:	4220838
Lead frame (Finish, Base):	NiPdAu, Cu	Bond Wire:	Au, 2.0 mils

Qualification: Plan Test Results

Reliability Test	Conditions	Sample Size/Fail		
		Lot# 1	Lot# 2	Lot# 3
HTRB	150°C/80% Rated Vds (1000 Hrs)	77/0	77/0	77/0
HTGB	150°C/80% Rated Vgs (1000 Hrs)	77/0	77/0	77/0
**THB	85°C/85%R.H./80% Rated Vds (1000 Hrs)	77/0	77/0	77/0

Notes **- Preconditioning sequence: Level 1-260C.

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