

# Product / Process Change Notification



N° 2014-048-A1

Dear Customer,

Please find attached our INFINEON Technologies PCN:

## TLE8458-Family Redesign

Important information for your attention:

- Please respond to this PCN by indicating your decision on the approval form, sign it and return to your sales partner before **25. July 2014**.
- Infineon aligns with the widely-recognized JEDEC STANDARD "JESD46", which stipulates: "Lack of acknowledgement of the PCN within 30 days constitutes acceptance of the change."

Your prompt reply will help Infineon Technologies to assure a smooth and well executed transition. If Infineon does not hear from your side by the due date, we will assume your full acceptance to this proposed change and its implementation.

Your attention and response to this matter is greatly appreciated.

Disclaimer:

If we do not receive any response by the date in the PCN above we consider this as the acceptance of the PCN. After the last order date as stated herein, purchase orders related to the unchanged product(s) cannot be accepted.

In case the customer rejects this PCN this PCN shall be considered a product discontinuation notice (PD).

# Product / Process Change Notification



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**SUBJECT OF CHANGE:** Redesign TLE8458G and TLE8458G V33

<b>PRODUCTS AFFECTED:</b>	Type	SP n°	OPN	Package
	TLE8458G	SP000359994	TLE8458GXUMA1	PG-DSO-8-16
	TLE8458G V33	SP000359996	TLE8458GV33XUMA1	PG-DSO-8-16

**REASON OF CHANGE:** During the STOP Mode, the wake-up circuitry of the device may malfunction with a certain probability of a timing event  
Enable Power-On-Reset circuit in Sleep mode for improving robustness during undervoltage voltage events  
Discontinuation of the part numbers TLE8458GU / TLE8458GU V33

<b>DESCRIPTION OF CHANGE:</b>	<b>OLD</b>	<b>NEW</b>
■ Design change	Previous Silicon with Wake-up limitations in stop mode	Improved Wake-up functionality in stop mode for standard versions TLE8458G / TLE8458G V33 on silicon level (Metal layer change)
■ Design change	Main Power-On-Reset circuit disabled in Sleep mode	Enable main Power-On-Reset circuit also for Sleep mode
■ Data sheet change	Included part nos TLE8458GU / TLE8458GU V33	Editorial changes made to datasheet. Removed TLE8458GU / TLE8458GU V33 and all references to these versions in datasheet

**PRODUCT IDENTIFICATION:** Identification can be done by SP-numbers

## TIME SCHEDULE:

■ Final qualification report:	available
■ First samples available:	available
■ Start of delivery:	01.10.2014 (or earlier after customer release)
■ Last order date of unchanged product:	28.02.2015
■ Last delivery date of unchanged product:	31.08.2015

**ASSESSMENT:** No impact on electrical performance.  
Quality and reliability verified by qualification.  
No change in form, fit and function

<b>DOCUMENTATION:</b>	3_cip14048	TLE8458 Datasheets
	4_cip14048	Product Replacement conversion table