

Product / Process Change Notification



N° 2014-066-A

Dear Customer,

Please find attached our INFINEON Technologies PCN:

Switch from AMKOR Korea (ATK) to AMKOR Philippines (ATP) and VQFN48 package improvement and additional Wafer Production Site

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 **15. August 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 within the given time limit we consider this as the acceptance of the PCN.

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SUBJECT OF CHANGE:

Production site transfer from ATK1 to ATP combined with improvement of package robustness. Enabling of second front end site.

PRODUCTS AFFECTED:

TYPE	SP N°	OPN	Package
TLE7183F	SP000317385	TLE7183FXUMA2	PG-VQFN-48-14
TLE7183F	SP000317389	TLE7183FXUMA5	PG-VQFN-48-14
TLE7183F	SP000065802	TLE7183FXUMA4	PG-VQFN-48-14
TLE7183F	SP000317391	TLE7183FXUMA3	PG-VQFN-48-14
TLE7184F	SP000362096	TLE7184FXUMA1	PG-VQFN-48-14
TLE7184F3V	SP000864920	TLE7184F3VXUMA1	PG-VQFN-48-14
TLE7186F	SP000470258	TLE7186FXUMA1	PG-VQFN-48-14
TLE7188F	SP000105749	TLE7188FXUMA1	PG-VQFN-48-14
TLE7189F	SP000248208	TLE7189FXUMA1	PG-VQFN-48-14

REASON OF CHANGE:

Closing of subcon location AMKOR Korea (ATK1)
Increased high volume supply security.

DESCRIPTION OF CHANGE	<u>OLD</u>	<u>NEW</u>
Assembly location	AMKOR Korea (ATK1)	AMKOR Philippines (ATP)
Backend processing* ¹	Punched package Gold wire bond	Sawn package Copper wire bond
Wafer production site	Infineon Technologies AG Regensburg, Germany	Infineon Technologies AG Regensburg, Germany or Infineon Technologies AG Kulim, Malaysia
Frontend processing* ¹	Green	Green & robust
Wafer Sort location	Infineon Technologies AG Villach, Austria	Infineon Technologies AG Villach, Austria or Infineon Technologies AG Kulim, Malaysia

*¹ details: new process in assessment

PRODUCT IDENTIFICATION:

The product identification can be done by SP number, OPN or package nomenclature.

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TIME SCHEDULE:

- | | | |
|--|-------------|------------|
| ■ Engineering samples available: | 31-Dec-2014 | |
| ■ Qualification samples available: | 31-Mar-2015 | |
| ■ Final PCN: | 30-Apr-2015 | |
| ■ Last order date of unchanged product: | 31-Oct-2015 | See page 4 |
| ■ Start of delivery of changed product: | 31-Dec-2015 | |
| ■ Last delivery date of unchanged product: | 30-Apr-2016 | See page 4 |

DOCUMENTATION:

PRODUCT Replacement Table



referring to PCN N° 2014-066-A

■ Last order date of unchanged product:	2015-10-31
■ Last delivery date of unchanged product	2016-04-30

OLD				NEW (REPLACEMENT)		
Device	SP N°	OPN	Package	Device	SP N°	Package
TLE7183F	SP000317385	TLE7183FXUMA2	PG-VQFN-48-14	TLE7183F	SP001249792	PG-VQFN-48-72
TLE7183F	SP000317389	TLE7183FXUMA5	PG-VQFN-48-14	TLE7183F	SP001249810	PG-VQFN-48-72
TLE7183F	SP000065802	TLE7183FXUMA4	PG-VQFN-48-14	TLE7183F	SP001249812	PG-VQFN-48-72
TLE7183F	SP000317391	TLE7183FXUMA3	PG-VQFN-48-14	TLE7183F	SP001249814	PG-VQFN-48-72
TLE7184F	SP000362096	TLE7184FXUMA1	PG-VQFN-48-14	TLE7184F	SP001249824	PG-VQFN-48-72
TLE7184F3V	SP000864920	TLE7184F3VXUMA1	PG-VQFN-48-14	TLE7184F3V	SP001249826	PG-VQFN-48-72
TLE7186F	SP000470258	TLE7186FXUMA1	PG-VQFN-48-14	TLE7186F	SP001249840	PG-VQFN-48-72
TLE7188F	SP000105749	TLE7188FXUMA1	PG-VQFN-48-14	TLE7188F	SP001249842	PG-VQFN-48-72
TLE7189F	SP000248208	TLE7189FXUMA1	PG-VQFN-48-14	TLE7189F	SP001249844	PG-VQFN-48-72

If you have any questions, please do not hesitate to contact your local Sales office.