

## Product Change Notice (PCN)

**Subject:** Alternate assembly facility of the listed Intersil DFN / QFN packaged products

**Publication Date:** 11/2/2016

**Effective Date:** 1/31/2017

### Description of Change:

Alternate assembly facility of the listed Intersil DFN / QFN packaged products

- *Advanced Semiconductor Engineering, Chung-Li County, Taiwan R.O.C*

### Revision Description:

Revision A : Updated the list of affected products contained in notice PCN16089 that was issued on Oct 06, 2016. ZL8801ALAFT\* and ZL8802ALAFT\* were inadvertently left off the original notice. The content of the original notice, PCN16089, with the updated product list is included for reference.

Product **added** to PCN16089 :

#### Product List

ZL8801ALAFT7A
ZL8801ALAFTK
ZL8802ALAFT
ZL8802ALAFT7A
ZL8802ALAFTK
ZL8802ALAFTR5687
ZL8802ALAFTS2709

### Reason for Change:

This notice is to inform you that Intersil will begin using Advanced Semiconductor Engineering Chung Li (ASE-CL) facility as alternate assembly facility of the listed Intersil DFN / QFN (Dual / Quad Flat No-lead) packaged products. This action will expand current capabilities and capacities to optimize Intersil's ability to meet customer's delivery requirements.

### Impact on fit, form, function, quality & reliability:

The ASE-CL facility is ISO9001:2008 and ISO/TS16949:2009 certified. There is no change in the manufacturing process flow, Moisture Sensitivity Level (MSL), Form, Fit, Function or interchangeability of the product.

The assembly qualification plan is designed using JEDEC and other applicable industry standards. A summary of the qualification results are shown in Appendix B.

**Product Identification:**

Product affected by this change is identifiable via Intersil's internal traceability system. In addition, product assembled at ASECL may also be identified by the assembly site code (country of assembly) when marked on the devices. The site code for product assembled at ASECL is "U".

**Qualification status:** Site and product verification at ASECL - completed

**Sample availability:** 11/2/2016

**Device material declaration:** Available upon request

*Questions or requests pertaining to this change notice, including additional data or samples, must be sent to Intersil within 30 days of the publication date.*

For additional information regarding this notice, please contact your regional change coordinator (below)			
Americas: <a href="mailto:PCN-US@INTERSIL.COM">PCN-US@INTERSIL.COM</a>	Europe: <a href="mailto:PCN-EU@INTERSIL.COM">PCN-EU@INTERSIL.COM</a>	Japan: <a href="mailto:PCN-JP@INTERSIL.COM">PCN-JP@INTERSIL.COM</a>	Asia Pac: <a href="mailto:PCN-APAC@INTERSIL.COM">PCN-APAC@INTERSIL.COM</a>

Appendix A - Affected Products List (see attached)

**Product List**

ZL1505ALNFT	ZL2006ALNFT1	ZL6102ALAFTK	ZL8800ALAFT7A
ZL1505ALNFT1	ZL2008ALBFT	ZL6102ALAFTKR5529	ZL8800ALAFTK
ZL1505ALNFT1S2568	ZL2008ALBFT1	ZL6102ALBF	ZL8800ALAFTKR5637
ZL1505ALNFT6	ZL2008ALBFT1S2568	ZL6102ALBFTK	ZL8800ALAFTKR5662
ZL1505ALNFT6S2568	ZL2008EALAFT	ZL6102ALCF	ZL8800ALAFTKS2568
ZL2004ALNF	ZL2008EALAFT1	ZL6102ALCFTK	ZL8800ALBFT
ZL2004ALNF-01	ZL2008EALAFT1R5540	ZL6105ALAF	ZL8800ALBFT7A
ZL2004ALNFT	ZL2008EALAFT1R5558	ZL6105ALAFT	ZL8800ALBFTK
ZL2004ALNFT-01	ZL2101ALAF	ZL6105ALAFTK	ZL8800ALBFTKR5637
ZL2004ALNFT1	ZL2101ALAFT	ZL6105ALAFTK-02	ZL8800ALBFTKS2568
ZL2004ALNFT1-01	ZL2101ALAFTK	ZL6105ALAFTKR5546	ZL8801ALAFT7A
ZL2005ALAFT1-04	ZL2101ALAFTKR5606	ZL6105ALAFTKR5549	ZL8801ALAFTK
ZL2005ALNF	ZL2105ALNF	ZL6105ALAFTKR5553	ZL8802ALAFT
ZL2005ALNFT	ZL2105ALNFT	ZL6105ALAFTKR5554	ZL8802ALAFT7A
ZL2005ALNFT1	ZL2105ALNFT1	ZL6105ALAFTKR5619	ZL8802ALAFTK
ZL2005ALNFT1S2568	ZL2106ALCF	ZL6105ALAFTKR5638	ZL8802ALAFTR5687
ZL2005ALPF-03	ZL2106ALCFT	ZL6105ALAFTKR5639	ZL8802ALAFTS2709
ZL2005ALPFT-03	ZL2106ALCFTK	ZL6105ALAFTKR5646	ZLS1003ALAFTK
ZL2005ALPFTK-03	ZL6100ALAF	ZL6105ALAFTKR5649	ZLS4009ALAFT
ZL2005PALRFT	ZL6100ALAFT	ZL6105ALAFTKR5653	ZLS4009ALAFT7A
ZL2005PALRFT1	ZL6100ALAFTK	ZL6105ALAFTKS2705	ZLS4009ALAFTK
ZL2005PALRFT1R5540	ZL6100ALAFTS2705	ZL6105ALAFTKS2768	ZLS4010ALAFTS2705
ZL2006ALNF	ZL6102ALAF	ZL6105ALAFTR5546	ZLS4010ALBFTS2705
ZL2006ALNFT	ZL6102ALAFT	ZL8800ALAFT	

Note : The added product is in RED font.

Appendix B - Qualification Results (see attached)

	Duration	ZL1505ALNFT 10 Leads 3mm x 3mm x 1mm DFN	ZL8800ALAFTK 44 Leads 7mm x 7mm x 1mm QFN
Moisture Sensitivity Classification (MSL)		N = 66 Acc = 0 L2 Pb Free	N = 66 Acc = 0 L2 Pb Free
Biased HAST +130°C / 85% RH	96 Hrs	N = 80 Acc = 0	N = 80 Acc = 0
Unbiased HAST (u-HAST) +130°C / 85% RH	96 Hrs	N = 240 Acc = 0	N = 80 Acc = 0
Hot Temperature Storage (HTS) +150°C	1000 Hrs	N = 240 Acc = 0	N = 80 Acc = 0
Temperature Cycle (TCT) -40°C / +125°C	1000 cyc	N = 240 Acc = 0	N = 80 Acc = 0



Qualified by Extension  
Qualification completed and passed