

## Product Change Notice (PCN)

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

**Publication Date:** 3/31/2017

**Effective Date:** 6/26/2017

### 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 affected product list – added ZL8801ALAF\*, and ZL8802ALAF\*

#### Revision B :

Updated the list of affected products to include affected Module products. The change is only to the controllers (DFN/QFN) that are in the Module Bill of Material (BOM).

1. Refer Appendix A, for affected controller (DFN/QFN) part number.
2. Refer Appendix C, for affected controller (DFN/QFN) part numbers mapped to the associated Module part number.

### 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:** 3/31/2017

**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 controllers (DFN/QFN) part number

| Affected Controller |
|---------------------|
| ZL1505ALNFT1        |
| ZL6105ALAFTKR5554   |
| ZL6105ALBFTKR5553   |
| ZL6105ALBFTKR5554   |
| ZL8101ALAFTKR5475   |
| ZL8101ALAFTKR5519   |
| ZL8101ALBFTKR5475   |
| ZL8101ALBFTKR5519   |
| ZL8101ALCFTKR5475   |
| ZL8101ALCFTKR5519   |
| ZLS4001ALAFTK       |
| ZLS4001ALBFTK       |
| ZLS4001ALCFTK       |
| ZLS4002ALAFTK       |
| ZLS4002ALBFTK       |
| ZLS4003ALAFTK       |
| ZLS4004ALAFTK       |
| ZLS4005ALAFTK       |
| ZLS4006ALAFTK       |
| ZLS4007ALAFTK       |
| ZLS4011ALAFTK       |
| ZLS4011ALBFTK       |
| ZLS4012ALAFTK       |
| ZLS4013ALAFTK       |

## Appendix B - Qualification Results for the Controller (DFN/QFN) (see attached)

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



Qualified by Extension  
Qualification completed and passed

**Appendix C- Affected controller (DFN/QFN) part numbers mapped to the associated Module part number**

| <b>Affected Controller</b> | <b>Affected Module</b>   |
|----------------------------|--|
| ZL1505ALNFT1               | ZL9101MAIRZ<br>ZL9101MAIRZ-T<br>ZL9101MAIRZ-TS2490<br>ZL9101MBIRZ<br>ZL9101MBIRZ-T<br>ZL9101MIRZ<br>ZL9101MIRZ-T<br>ZL9117MAIRZ<br>ZL9117MAIRZ-T<br>ZL9117MAIRZ-TS2490<br>ZL9117MBIRZ<br>ZL9117MBIRZ-T<br>ZL9117MIRZ<br>ZL9117MIRZR5494<br>ZL9117MIRZ-T<br>ZL9117MIRZ-TR5494<br>ZL9122MAIRZ<br>ZL9122MAIRZ-T<br>ZL9122MBIRZ<br>ZL9122MBIRZ-T<br>ZL9122MIRZ<br>ZL9122MIRZ-T |
| ZL6105ALAFTR5554           | ZL9010MIRZ<br>ZL9010MIRZ-T   |
| ZL6105ALBFTKR5553          | ZL9006MAIRZ<br>ZL9006MAIRZ-T<br>ZL9006MAIRZ-TS2490   |
| ZL6105ALBFTKR5554          | ZL9010MAIRZ<br>ZL9010MAIRZR5686<br>ZL9010MAIRZ-T<br>ZL9010MAIRZ-TR5686<br>ZL9010MAIRZ-TS2490   |
| ZL8101ALAFTR5475           | ZL9117MIRZ<br>ZL9117MIRZR5494<br>ZL9117MIRZ-T<br>ZL9117MIRZ-TR5494   |
| ZL8101ALAFTR5519           | ZL9101MIRZ<br>ZL9101MIRZ-T   |

| <b>Affected Controller</b> | <b>Affected Module</b>   |
|----------------------------|--|
| ZL8101ALBFTKR5475          | ZL9117MAIRZ<br>ZL9117MAIRZR5688<br>ZL9117MAIRZ-T<br>ZL9117MAIRZ-TS2490 |
| ZL8101ALBFTKR5519          | ZL9101MAIRZ<br>ZL9101MAIRZ-T<br>ZL9101MAIRZ-TS2490                     |
| ZL8101ALCFTKR5475          | ZL9117MBIRZ<br>ZL9117MBIRZ-T   |
| ZL8101ALCFTKR5519          | ZL9101MBIRZ<br>ZL9101MBIRZ-T   |
| ZLS4001ALAFTR              | ZL9122MIRZ<br>ZL9122MIRZ-T   |
| ZLS4001ALBFTK              | ZL9122MAIRZ<br>ZL9122MAIRZ-T   |
| ZLS4001ALCFTK              | ZL9122MBIRZ<br>ZL9122MBIRZ-T   |
| ZLS4002ALAFTR              | ZL9025MAIRZ<br>ZL9025MAIRZ-T<br>ZL9025MIRZ<br>ZL9025MIRZ-T             |
| ZLS4002ALBFTK              | ZL9025MBIRZ<br>ZL9025MBIRZ-T   |
| ZLS4003ALAFTR              | ISL8272MAIRZ<br>ISL8272MAIRZ-T   |
| ZLS4004ALAFTR              | ZL9030MAIRZ<br>ZL9030MAIRZ-T   |
| ZLS4005ALAFTR              | ZL9023MAIRZ<br>ZL9023MAIRZ-T   |
| ZLS4006ALAFTR              | ISL8270MAIRZ<br>ISL8270MAIRZ-T   |
| ZLS4007ALAFTR              | ISL8271MAIRZ<br>ISL8271MAIRZ-T<br>ISL8271MAIRZ-TS2490                  |
| ZLS4011ALAFTR              | ISL8273MAIRZ<br>ISL8273MAIRZ-T   |
| ZLS4011ALBFTK              | ISL8273MBIRZ<br>ISL8273MBIRZ-T   |
| ZLS4012ALAFTR              | ISL8277MAIRZ<br>ISL8277MAIRZ-T<br>ISL8277MAIRZ-T1                      |
| ZLS4013ALAFTR              | ISL8278MAIRZ<br>ISL8278MAIRZ-T<br>ISL8278MAIRZ-T1                      |