
PRODUCT CHANGE NOTICE

**Alternate Manufacturing Sites
for Intersil ZL2106* and
ZL8100* Products**

**Refer to:
PCN11017**

Date: February 11, 2011

February 11, 2011

To: Our Valued Intersil Customer

Subject: **Alternate Manufacturing Sites for Intersil ZL2106* and ZL8100* Products –**
Jazz Semiconductor Newport Beach, CA and STATS ChipPAC Malaysia

This notice is to inform you that Intersil is qualifying the Jazz Semiconductor Newport Beach, CA and STATS ChipPAC Malaysia (SCM) facilities as alternate sites for performing wafer fabrication and package assembly of the listed ZL2106* and ZL8100* products. This action will expand current capabilities and capacities to optimize Intersil's ability to meet customer's delivery requirements. The product and site-specific qualification activities are in progress and scheduled to complete in March 2011.

The Jazz facility is ISO 9001:2008 and ISO/TS 16949:2002 certified and qualified as a supplier to Intersil for wafer fabrication of BCD35 (Bipolar CMOS DMOS) technology products. The STATS ChipPAC Malaysia (SCM) facility is ISO 9001:2008 and ISO/TS 16949:2009 certified and qualified as a supplier to Intersil for assembly and testing of DFN/QFN packaged products.

There will be no change in the package outline drawing (POD) except for the maximum package height. The maximum package height will change from 0.90mm to 1.00mm with nominal values of 0.85mm and 0.90mm respectively. The 1.00mm maximum aligns with JEDEC POD MO-220 variation V. There will be no change in the moisture sensitivity level (MSL). The qualified material sets and plating combinations are as follows:

Part Number	Package	Material	Current - Amkor	Proposed - SCM
ZL2106	6x6 QFN 36p	Mold Compound Die Attach Lead Finish	CEL 9220 AMK06 Ni/Pd/Au	Sumitomo EME-G770 Ablestik A8290 Matte Sn Finish
ZL8100	5X5 QFN 32p	Mold Compound Die Attach Lead Finish	CEL 9220 AMK06 Ni/Pd/Au	Sumitomo EME-G770 Ablestik A8290 Matte Sn Finish

The wafer fabrication and assembly qualification plans are designed using JEDEC and other applicable industry standards. A summary of the qualification plan and status of completion is included for reference. The qualification results will be available for review upon completion by request.

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

Intersil has created new part numbers (plating designator changed from “N” to F”) to identify product fabricated at Jazz and assembled at SCM. This letter is to request that customers begin using the appropriate new part number(s) for ordering product incorporating the changes outlined in this notification beginning ninety days from the date of this notification or earlier. Upon expiration of the ninety-day period, Intersil intends to make the new part number the primary offering.

Current Part Number	New Part Number
ZL2106ALC N	ZL2106ALC F
ZL2106ALC N T	ZL2106ALC F T
ZL2106ALC N TK	ZL2106ALC F TK
ZL8100ALA N TKR5457	ZL8100ALA F TKR5457

If you have concerns with this change notice, Intersil must hear from you promptly. Please contact the nearest Intersil Sales Office or call the Intersil Corporate line at 1-888-468-3774, in the United States, or 1-321-724-7143 outside of the United States.

Regards,

Jon Brewster

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Intersil Corporation

PCN11017

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PCN11017 - Reliability Qualification Plan

Reliability Test	ZL2014/ZL8100 (2.5UM TOP METAL) fab'ed using BCD35 32 LEAD 5X5 TQFN at SCM	ZL2106 (2.5UM TOP METAL) fab'ed using BCD35 36 LEAD 6X6 QFN at SCM
High Temperature Operating Life	SRN100345 Rev 0 0/240 125C 2096hr passed due off at 3000hr 2011-03-04	SRN100376 Rev 0 0/78 125C 2000hr passed SRN100376 Rev 1 0/78 125C 2000hr passed SRN100376 Rev 2 0/78 125C 1000hr passed
Biased HAST	SRN100345 Rev 0 0/81 130C, 85%RH PRECOND L2 PBFREE 96hr Passed	SRN100376 Rev 4 0/78 130C, 85%RH PRECOND L2 PBFREE 96hr passed
Storage Life	SRN100345 Rev 0 0/78 150C BAKE AND REFLOW 2000hr Passed	SRN100376 Rev 0 0/39 150C BAKE AND REFLOW 2000hr passed SRN100376 Rev 1 0/39 150C BAKE AND REFLOW 2000hr passed SRN100376 Rev 2 0/26 150C BAKE AND REFLOW 2000hr passed
Destructive Wire Pull after Storage Life	NA	SRN100376 Rev 0 0/6 passed
Bond Pull Integrity	NA	SRN100376 Rev 0 0/5 175C 96hr completed 2010-11-18 passed SRN100376 Rev 1 0/5 175C 96hr completed 2010-11-18 passed SRN100376 Rev 2 0/5 175C 96hr completed 2011-01-19 passed
Moisture Sensitivity Classification	MRT10130 MSL=2@260C (Pb Free) Approved=Yes	MRT10140 MSL=2@260C (Pb Free) Approved=Yes

Reliability Test	ZL2014/ZL8100 (2.5UM TOP METAL) fab'ed using BCD35 32 LEAD 5X5 TQFN at SCM	ZL2106 (2.5UM TOP METAL) fab'ed using BCD35 36 LEAD 6X6 QFN at SCM
Unbiased HAST	SRN100345 Rev 0 0/81 130C, 85%RH PRECOND L2 PBFREE 96hr Passed	SRN100376 Rev 0 0/39 130C, 85%RH PRECOND L2 PBFREE 96hr passed SRN100376 Rev 1 0/39 130C, 85%RH PRECOND L2 PBFREE 96hr passed SRN100376 Rev 2 0/26 130C, 85%RH PRECOND L2 PBFREE 96hr passed
Temperature Cycle	SRN100345 Rev 0 0/81 -65C TO 150C PRECOND L2 PBFREE 500cy Passed	SRN100376 Rev 0 0/39 -65C TO 150C PRECOND L2 PBFREE 500cy passed SRN100376 Rev 1 0/39 -65C TO 150C PRECOND L2 PBFREE 500cy passed SRN100376 Rev 2 0/26 -65C TO 150C PRECOND L2 PBFREE 500cy passed
Destructive Wire Pull after Temp Cycle	NA	SRN100376 Rev 0 0/6 passed
Product Electrical Characterization	Performed by Product Engineering	Performed by Product Engineering
Statistical Bin Yield Analysis	Performed by Product Engineering	Performed by Product Engineering
ESD Characterization	HBM 2000V MM 200V CDM 750V	HBM 2000V MM 200V CDM 750V
Latch-up Characterization	Passed Class II, LevelA @ 85C	Passed Class II, LevelA @ 85C