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# **PRODUCT CHANGE NOTICE**

**Alternate Manufacturing  
Facility for Assembly of the  
Listed Intersil TQFN Packaged  
Products**

**Refer to:  
PCN14025**

**Date: April 17, 2014**

April 17, 2014

To: Our Valued Intersil Customer

Subject: **Alternate Manufacturing Facilities for Assembly of the Listed Intersil TQFN Packaged Products**  
– *Advanced Semiconductor Engineering (ASECL) - Chung-Li*

This notice is to inform you that Intersil is in the process of qualifying the Advanced Semiconductor Engineering (ASECL) facility as alternate site for assembly of the listed TQFN (Thin Quad Flat No-Lead) packaged products. The current facility STATS ChipPAC (SCM) located in Kuala Lumpur, Malaysia has officially announced plant closure by end of year 2014. The hyperlink to the announcement is <http://www.statschippac.com/news/newscenter/2013/news06282013.aspx>. As of the date of this notice, the product and site-specific qualification activities are in progress and expected to complete in August 2014.

Products affected:

ISL78233ARZ      ISL78234ARZ      ISL78234ARZ-TR5303  
ISL78233ARZ-T    ISL78234ARZ-T    ISL78234ARZ-TR5492

The Advanced Semiconductor Engineering (ASECL) facility is ISO 9001:2008 and ISO/TS 16949:2009 certified. ASECL is qualified as primary supplier to Intersil for high volume assembly of QFN packaged products. There is no change in the MSL (moisture sensitivity level) or POD (package outline drawing).

The assembly qualification plan is designed using AEC Q100, JEDEC and other applicable industry standards to confirm there is no impact to form, fit, function, or interchangeability of the product. The remainder of the manufacturing operations (wafer fabrication, package level electrical testing, etc.) will continue to be processed to previously established conditions and systems.

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".

Intersil will take all necessary actions to conform to agreed upon customer requirements and to ensure the continued high quality and reliability of Intersil products being supplied. Customers may expect to receive product assembled at either the SCM or ASECL facility upon completion of the qualification activities.

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,



Jeff Touvell  
Intersil Corporation

PCN14025

CC: D. Decrosta    S. Nadarajah    D. Wackley    E. Kohler    D. Singh

# PCN14025 – ASECL Reliability Qualification Plans

Stress / Conditions	Duration	ISL78234ARZ 16 lead 3X3 TQFN
Moisture Sensitivity Classification		N = 22 Acc = 0 L3 PBFREE
HTOL T <sub>A</sub> = +125C	1000 Hrs	N = 240 Acc = 0
ELFR T <sub>A</sub> = +125C	48 Hrs	N = 2400 Acc = 0
Unbiased HAST +130C / 85% RH	96 Hrs	N = 240 Acc = 0
Temp Cycle +150C / -65C	500 Cy	N = 240 Acc = 0
Biased HAST +130C / 85% RH	96 Hrs	N = 240 Acc = 0
High Temperature Storage T <sub>A</sub> = +150C	1000 Hrs	N = 50 Acc = 0
Qualification completed & passed		