

## Product Change Notice (PCN)

**Subject:** Assembly site change for the Listed Intersil WFQFN Packaged Products

**Publication Date:** 2/26/2016

**Effective Date:** 5/26/2016

**Revision Description:**

Initial Release

**Description of Change:**

Assembly site change for the Listed Intersil WFQFN Packaged Products

- *Amkor Technologies Philippines, Inc, Manila, Philippines.*

**Product List**

ISL78208ARZ	TW8819AT-NA2-GR
ISL78208ARZ-T	TW8819AT-NA2-GRT
ISL78208ARZ-T7A	TW9990AT-NA1-GR
TW8809AT-NA2-GR	TW9990AT-NA1-GRR5303
TW8809AT-NA2-GRT	TW9990AT-NA1-GRT

**Reason for Change:**

This notice is to inform you that Intersil will begin using Amkor Technologies Philippines, Inc. (ATP) facility, as an alternate assembly site for the listed WFQFN products. The current facility Amkor Technologies Korea, Inc. (ATK) located in Seoul, South Korea has officially announced plant closure by end of year 2016.

The ATP facility is ISO 9001:2008 and ISO/TS 16949:2009 certified and currently qualified as the primary assembly site to Intersil for assembly of the listed packaged products. The product and site-specific verification activities are complete.

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

The change will have no impact on the form, fit, function, quality, reliability and environmental compliance of the devices.

**Product Identification:**

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

Customers may expect to receive product assembled at current ATK facility after the change effective date until Intersil's inventory is depleted. However, there will be no mixing site code in a single shipment.

**Qualification status:** Completed, see Appendix A

**Sample availability:** 2/29/2016

**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 - Qualification Results (see attached)

Stress / Conditions	Duration	ISL78229ARZ	TW8809AT-NA2-GR
		40 Leads 6mm x 6mm WFQFN	56 Leads 8mm x 8mm WFQFN
Moisture Sensitivity Classification		N=22 Acc = 0 L2 PB Free	N=46 Acc = 0 L3 PB Free
Early Life Failure Rate (ELFR)	24 hours	NA	N=2400 Acc = 0
T <sub>A</sub> = +125°C	48 hours	N=2625 Acc = 0	NA
High Temperature Operating Life (HTOL)	408 hours	NA	N = 240 Acc = 0
T <sub>A</sub> = +125°C	1000 hours	N = 239 Acc = 0	NA
Temperature Humidity Bias (THB) +85 °C / 85% RH	1000 hours	N = 239 Acc = 0	NA
Biased HAST (b-HAST) +130 °C / 85% RH	96 hours	NA	N = 240 Acc = 0
Unbiased HAST (u-HAST) +130 °C / 85% RH	96 hours	N = 240 Acc = 0	N = 243 Acc = 0
Hot Temperature Storage (HTS) T <sub>A</sub> = +150°C	1000 hours	N = 50 Acc = 0	N = 52 Acc = 0
Temperature Cycling (TC) -65 °C / +150 °C	500 cycles	N = 240 Acc = 0	NA
Temperature Cycling (TC) -50 °C / +150 °C	500 cycles	NA	N = 246 Acc = 0



Qualified by Extension (QBE)



Qualification completed and passed