



Integrated Device Technology, Inc.  
 6024 Silver Creek Valley Road  
 San Jose, CA 96138

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: <b>W1710-01</b> DATE: <b>October 17, 2017</b> Products Affected:  P9320S-0AHGI, P9320S-0AHGI8, P9320S-1AHGI, P9320S-1AHGI8  Date Effective: <b>January 17, 2018</b>	MEANS OF DISTINGUISHING CHANGED DEVICES: <input type="checkbox"/> Product Mark <input type="checkbox"/> Back Mark      Traceability to the Fab location is provided <input checked="" type="checkbox"/> Date Code      through the 2 digit sequential lot code on <input type="checkbox"/> Other      the date code line of the top mark
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Contact: IDT PCN DESK  E-mail: <a href="mailto:pcndesk@idt.com">pcndesk@idt.com</a>	Attachment: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Samples: Available upon request
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**DESCRIPTION AND PURPOSE OF CHANGE:**

<input type="checkbox"/> Die Technology	This notification is to advise our customers that IDT has qualified TSMC Fab 6 as an alternate Foundry for the products listed on this notice.
<input type="checkbox"/> Wafer Fabrication Process	
<input type="checkbox"/> Assembly Process	This is to provide additional manufacturing capacity for these products.
<input type="checkbox"/> Equipment	
<input type="checkbox"/> Material	There is no change to the product design or process technology as the existing qualified Foundry, TSMC Fab 8.
<input type="checkbox"/> Testing	There is also no change to the package, backend manufacturing process or the the data sheet.
<input checked="" type="checkbox"/> Manufacturing Site	Refer to page 2 for the qualification report.
<input type="checkbox"/> Data Sheet	
<input type="checkbox"/> Other	

**RELIABILITY/QUALIFICATION SUMMARY:**

Based on wafer and component level qualification to date and characterization tests, there is no change to the performance or reliability of the product.

**CUSTOMER ACKNOWLEDGMENT OF RECEIPT:**

IDT records indicate that you require written notification of this change. Please use the acknowledgement below or E-Mail to grant approval or request additional information. If IDT does not receive acknowledgement within 30 days of this notice it will be assumed that this change is acceptable.

IDT reserves the right to ship either version manufactured after the process change effective date until the inventory on the earlier version has been depleted.

Customer: _____	<input type="checkbox"/> <i>Approval for shipments prior to effective date.</i>
Name/Date: _____	E-Mail Address: _____
Title: _____	Phone# /Fax# : _____

**CUSTOMER COMMENTS:** \_\_\_\_\_

## PCN W1710-01 Fab 6 Qualification Report

<b>Product Type:</b> IDTP9320 (Wireless Power Receiver)			
<b>Device Family:</b>	AW730T	<b>Process Technology:</b>	CM018HV, 1P5M
<b>Package Type:</b>	AHG54 (WLCSP54)	<b>Fab Location:</b>	TSMC, Taiwan, Fab 6

Test Description	Conditions	Sample Size	Reject	Comments
Device Characterization	IDT's datasheet conditions	100	0	Pass
High Temperature Operating Life (Dynamic)	JESD22-A108, +125°C, Vcc-max	231*	0	Pass
ESD: Human Body Model	JESD22-A114 (JS-001) Classification (1C, 2KV)	3	0	Pass
ESD: Charged Device Model	JESD22-C101 Classification (C1, 500V)	3	0	Pass
Latch-Up	JESD78	3	0	Pass
Endurance Testing	JESD22-A117C 1000 cycles @85C	270*	0	Pass
Data Retention	JESD22-A103 1000 Hours @150C	75*	0	500 hours Pass 1000 hours to be completed by November 7 <sup>th</sup> , 2017

Note \* - Sample size total is from 3 lots