



Integrated Device Technology, Inc.  
6024 Silver Creek Valley Road, San Jose, CA - 95138

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: <b>W1911-02</b>	DATE: <b>22-Nov-2019</b>	MEANS OF DISTINGUISHING CHANGED DEVICES:
Product Affected: Refer to attachment 2		<input type="checkbox"/> Product Mark <input type="checkbox"/> Back Mark <input type="checkbox"/> Date Code <input checked="" type="checkbox"/> Other
Date Effective: <b>22-Feb-2020</b>		Traceability to the Fab location is provided through the 2 digit sequential lot code on the date code line of the top mark.
Contact: IDT PCN DESK	Attachment: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
E-mail: <a href="mailto:idt-pcn@lm.renesas.com">idt-pcn@lm.renesas.com</a>	Samples: Please contact your local sales representative for sample request.	

### 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                     | There is no change to the product design or process technology as the existing qualified Foundry, TSMC Fab 8.                                  |
| <input type="checkbox"/> Material                      |  |
| <input type="checkbox"/> Testing                       |  |
| <input checked="" type="checkbox"/> Manufacturing Site | There is also no change to the package, backend manufacturing process or the   |
| <input type="checkbox"/> Data Sheet                    | the data sheet.  |
| <input type="checkbox"/> Other                         |  |
- Refer to page 2 for the qualification report.

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

### CUSTOMER COMMENTS:

### IDT ACKNOWLEDGMENT OF RECEIPT:

RECD. BY: \_\_\_\_\_ DATE: \_\_\_\_\_

## Qualification Report

<b>Product Type:</b> IDTP9242 (Wireless Power Transmitter)			
<b>Device Family:</b>	AW670T	<b>Process Technology:</b>	CM018BCD, 1P4M
<b>Package Type:</b>	NDG40 (QFN)	<b>Fab Location:</b>	TSMC, Taiwan

Test Description	Conditions	Sample Size	Reject	Comments
Device Characterization	IDT's datasheet condition	35	0	Pass
High Temperature Operating Life (Dynamic)	JESD22-A108, +125°C, Vcc-max	77 x 3 lots	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
High Temperature Storage Life	JESD22-A103, +150°C	25 x 3 lots	0	Pass
Highly Accelerated Temperature and Humidity Stress (Biased)	JESD22-A110, +130°C, 85% R.H., 100 hrs	25 x 3 lots	0	QBS by P12-04-08
Temperature Cycling	JESD22-A104-B (Cond. B -55°C to 125°C)	77 x 3 lots	0	QBS by P12-04-08

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT 2 - PCN # : W1911-02

#### Affected Part Numbers

Part Number	Part Number	Part Number	Part Number
P9241-G0NDGI	P9242-G0NDGI	P9242-G6NDGI	P9242-GNDGI
P9241-G0NDGI8	P9242-G0NDGI8	P9242-G6NDGI8	P9242-GNDGI8
P9241-G1NDGI	P9242-G1NDGI	P9242-G7NDGI	P9243-G1NDGI
P9241-G1NDGI8	P9242-G1NDGI8	P9242-G7NDGI8	P9243-G1NDGI8
P9241-GB1NDGI	P9242-G2NDGI	P9242-G8NDGI	P9243-GBNDGI
P9241-GB1NDGI8	P9242-G2NDGI8	P9242-G8NDGI8	P9243-GBNDGI8
P9241-GBNDGI	P9242-G3NDGI	P9242-G9NDGI	P9243-G-EVK
P9241-GBNDGI8	P9242-G3NDGI8	P9242-G9NDGI8	P9243-G-EVKSMP
P9241-G-EVK	P9242-G4NDGI	P9242-GBNDGI	P9243-GNDGI
P9241-G-EVKSMP	P9242-G4NDGI8	P9242-GBNDGI8	P9243-GNDGI8
P9241-GNDGI	P9242-G5NDGI	P9242-G-EVK	
P9241-GNDGI8	P9242-G5NDGI8	P9242-G-EVKSMP	