

Update Notification
Document #: PB20973X1
Issue Date: 4 August 2015

Title of Change:	Update to PB20973X - Datasheet correction for the AR1820, Figure 66 errors.
Proposed first ship date:	4 August 2015
Contact information:	Contact your local ON Semiconductor Sales Office or <sonya.yip@onsemi.com></sonya.yip@onsemi.com>
Type of notification:	ON Semiconductor will consider this change accepted
Change category:	☐ Wafer Fab Change ☐ Assembly Change ☐ Test Change ☐ Other
Change Sub-Category(s):  Manufacturing Site Change/ Manufacturing Process Char	
Sites Affected:  ☑ All site(s) □ not ap	olicable ON Semiconductor site(s): External Foundry/Subcon site(s)
Description and Purpose: It was identified by Field Applications Engineer that iBGA Package Pinout (Figure 66) found in revision H from June 2015 had errors and needed to be updated. In order to correct this, the following changes have been made.	
This change is the result of a documentation error only; there is no change to the product form, fit, or function.	
1. Change column 10 to column 9	
Old iBGA Package Pinout (Figure 66) with incorrect column 10 label	
	Package Dimensions
	Figure 66: IBGA Package Pinout
	BALL A1 ID  1 2 3 4 5 6 7 8 10  A

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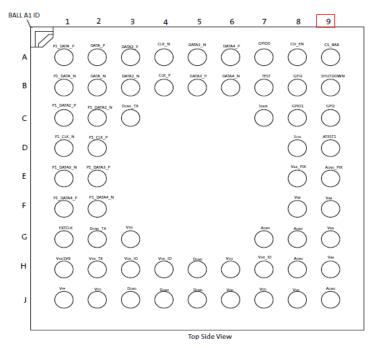
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### New iBGA Package Pinout (Figure 66) with column 10 correctly changed to column 9

### **Package Dimensions**

Figure 66: IBGA Package Pinout

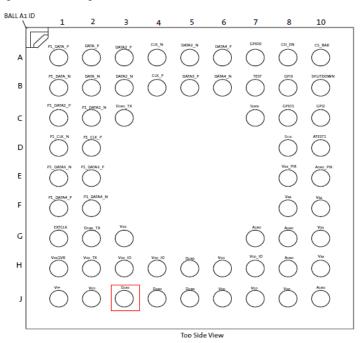


2. Change solder ball J3 from "DGNS" to "DGND"

## Old iBGA Package Pinout (Figure 66) with J3 incorrectly labeled as DGNS

### **Package Dimensions**

Figure 66: IBGA Package Pinout



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### New iBGA Package Pinout (Figure 66) with J3 correctly labeled as DGND

# Package Dimensions Figure 66: IBGA Package Pinout BALL A1 ID 1 2 3 4 5 6 7 8 9 F1\_DAM\_N DAM\_F DAM\_F DAM\_N DAM\_N DAM\_N DAM\_N DAM\_N DAM\_F CHOO CS\_I\_EN CS\_DAM\_N DAM\_N D

Top Side View

This change is the result of a documentation error only; there is no change to the product form, fit, or function.

### **List of affected Standard Parts:**

AR1820HSSC00SHEA0-DR

AR1820HSSC12SHEA0-DR

AR1820HSSC12SMD20

AR1820HSSC31SMD20

AR1820HSSC00SHQAD3-GEVK

AR1820HSSC00SHQAH3-GEVB

AR1820HSSC12SHQAD3-GEVK

AR1820HSSC12SHQAH3-GEVB

AR1820HSSC31SMEAD3-GEVK

AR1820HSSC31SMEAH3-GEVB

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