

# PRODUCT CHANGE NOTICE



<b>PCN #</b>	005882	<b>Initiator</b>	Sunny Suen	<b>Date</b>	16 <sup>th</sup> Jun 2014
<b>PCN Title</b>	XS1-A Series 16x16mm 217FBGA Substrates Ground Configuration Improvement				

## LEVEL OF CHANGE

- Customer Approval  Customer Information

## CHANGE AFFECTS

- Material Change  Process Change  
 Design Change  Package Change  
 Datasheet Change  Others, please specify:

## DESCRIPTION OF CHANGE:

The change is to improve the analog and digital ground separation on XS1-A series 217 balls FBGA devices. This requires the re-assignment of one ball on device package to a dedicated analog ground. This change results in the reduction of noise level in the analog circuits.

XS1-A series 217 Balls FBGA products → Ball J6 re-assigned from GND to AVSS

## ANTICIPATED IMPACT:

This change is backward compatible - the newly created analog ground domain will still be connected together with digital ground domain on customer products.

## XMOS PART NUMBERS AFFECTED:

XS1-A8A-128-FB217-C8	XS1-A10A-128-FB217-C8
XS1-A8A-128-FB217-C10	XS1-A10A-128-FB217-C10
XS1-A8A-128-FB217-I8	XS1-A10A-128-FB217-I8
XS1-A8A-128-FB217-I10	XS1-A10A-128-FB217-I10
XS1-A12A-128-FB217-C8	XS1-A16A-128-FB217-C8
XS1-A12A-128-FB217-C10	XS1-A16A-128-FB217-C10
XS1-A12A-128-FB217-I8	XS1-A16A-128-FB217-I8
XS1-A12A-128-FB217-I10	XS1-A16A-128-FB217-I10

## CUSTOMER PART NUMBERS AFFECTED (if applicable):

n/a

## IDENTIFICATION OF CHANGED PRODUCT (if applicable):

Products with date code 1422 and after.

**PROPOSED CHANGE SAMPLES AVAILABLE:** 16<sup>th</sup> June, 2014

**PROPOSED CHANGE FIRST SHIP DATE:** 1<sup>st</sup> November, 2014

**QUALIFICATION COMPLETION DATE:** 13<sup>th</sup> June, 2014

## SUPPORTING DATA:

Qualification samples were tested and passed production test program.

## OBSOLESCENCE NOTIFICATION (If Applicable):

Last Time Buy Date	n/a
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Last Time Ship Date	n/a
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Alternate Part Recommendation	n/a
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<b>CUSTOMER ACKNOWLEDGEMENT (Please reply by): n/a</b>			
<b>Please note:</b> if no reply by the above date, all changes described in this announcement are deemed approved - <a href="http://www.xmos.com/contact">http://www.xmos.com/contact</a>			
<b>Comments</b>			
<b>Customer</b>		<b>Location</b>	
<b>Signature</b>		<b>Date</b>	