

PRODUCT CHANGE NOTICE



PCN #	005879	Initiator	Sunny Suen	Date	16 th Jun 2014
PCN Title	XS1-U Series 10x10mm 96FBGA 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-U series 96 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-U series 96 Balls FBGA products → Ball E5 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-U6A-64-FB96-C5	XS1-U8A-64-FB96-C5
XS1-U6A-64-FB96-I5	XS1-U8A-64-FB96-I5
XS1-U6A-64-FB96-SN5	XS1-U8A-64-FB96-SN5

CUSTOMER PART NUMBERS AFFECTED (if applicable):

n/a

IDENTIFICATION OF CHANGED PRODUCT (if applicable):

Products with date code 1420 or post-1428 date codes.

PROPOSED CHANGE SAMPLES AVAILABLE: 16th June, 2014

PROPOSED CHANGE FIRST SHIP DATE: 25th August, 2014

QUALIFICATION COMPLETION DATE: 13th June, 2014

SUPPORTING DATA:

Qualification samples were tested and passed both production test program and bench verification test suite. And analog circuits' noise performance of the qualification samples were verified to have improved.

OBSOLESCENCE NOTIFICATION (If Applicable):

Last Time Buy Date	n/a
Last Time Ship Date	n/a
Alternate Part Recommendation	n/a

CUSTOMER ACKNOWLEDGEMENT (Please reply by): n/a

Please note: if no reply by the above date, all changes described in this announcement are deemed approved - <http://www.xmos.com/contact>

Comments			
Customer		Location	
Signature		Date	