

June 9, 2009

One AMD Place
P.O. Box 3453
Sunnyvale,
CA 94088-3453

Advanced Change Notification No: 2889

Subject: Lead Free Pin Attachment Solder Conversion

AMD is announcing the conversion of pin attachment solder in organic pin grid array (OPGA) packages from a Lead (Pb)-containing alloy to a Lead (Pb)-free alloy. This advance change is being made for compliance with anticipated changes to Exemption #14 of the European Union Directive 2002/95/EC, entitled "Restriction on the Use of Certain Hazardous Substances in electrical and electronic equipment" (RoHS). See below for details.

New Product Identification: Products converting to Lead-free pin attachment solder will maintain the same OPNs (Ordering Part Number). AMD intends to transition the products listed in the attached document from the lead-containing pin attachment solder used in production today to a lead-free pin attachment solder starting November 1st, 2009. Products with a date code range between WW 0945 to WW 1014 may have a mix of lead-containing and lead-free pin attachment solder. Products with a date code of WW 1015 or greater will only have lead-free pin attachment solder.

AMD Product Line: CSG (Computing Solutions Group)

Description of Change: The pin attachment solder on OPGA products will convert from 82Pb/10Sn/8Sb (lead-containing) to 90Sn/10Sb (lead-free). The solder in the flip chip C4 interconnection (between the Silicon die and package substrate) for these products will continue to contain lead.



AMD will continue to ship the standard products (with lead-containing pin attachment solder) until AMD's existing inventories are depleted. Unless otherwise requested, customers should be prepared to accept products with either lead-containing or lead-free pin attachment solder during the transition period. Last time ship of material with leaded pin attachment solder will be September 30, 2010.

Reason for Change: The European Commission is expected to modify the existing wording of Exemption #14 to include an expiration date. Although unknown at this time, the expiration date could be as early as 31 December 2010. End use products manufactured after the expiration date with lead-containing pin attachment solder are restricted from being put on the market in the EU.

Application Impact: There is no change to the form, fit, function, or quality & reliability of the part.

Qual Description: Reference ePPCD# AP200917022P

Data Availability Date: June 5, 2009

Samples Available Date: Beginning September 1, 2009

Production Shipment Date: Beginning November 1, 2009

Products Affected By This Change (AMD part numbers):

See attachment

Factory Contact: ChiaKen Leong

Contact Phone: (408) 742-2122

Contact Email Address: chiaken.leong@amd.com

Samples Requests: Please contact your local sales office for samples requests.

Even though the above date projections are based on the most current product development status information at the time this ACN was issued, they may change due to unforeseen circumstances. For the latest schedule and any other information, please contact your local AMD sales office or your local distributor.

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Sincerely,

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CUSTOMER ACKNOWLEDGMENT FORM

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From:

ACN No. 2889

AMD requests your acknowledgment of this notice by email, fax or mail. **Please return this Customer Acknowledgment Form to AMD within the next 30 days, otherwise AMD will assume that you acknowledge receipt of this Advanced Change Notification and that you have no comments.**

In the future, if you would like to receive these notices by electronic mail, please send email acknowledgment to terri.moctezuma@amd.com

Customer Comments:

AFFECTED PART NUMBERS

HDX710WFK3DGI
HDZ720WFK3DGI
HDZ715WCJ3DGI
HDX720WFK3DGI
HDX720WFK3DGM
HDZ740WFK3DGI
HDX740WFK3DGM
HDZ750WFK3DGM
HDX805WFK4FGI
HDX810WFK4FGI
HDX810WFK4FGM
HDX820WFK4FGI
HDX820WFK4FGM
HDX825WFK4FGM
HDX910WFK4DGI
HDX925WFK4DGI
HDX925WFK4DGM
HDX945WFK4DGI
HDX945WFK4DGM
HDX950WFK4DGM
HDX545WFK2DGI
HDZ550WFK2DGI
HDX545WFK2DGM
HDX550WFK2DGM
HDZ555WFK2DGM
HDX920XCJ4DGI
HDZ940XCJ4DGI
HDX945FBK4DGI
HDZ950FBK4DGI
HDZ955FBK4DGI
HDX955FBK4DGI
HDX960FBK4DGM
HDZ965FBK4DGM
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HD700EOCK3DGI
HD705EOCK3DGI
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HD900EOCK4DGI
HD905EOCK4DGI
HD905EOCK4DGM
HD910EOCK4DGM
HDXB73WFK3DGI
HDXB93WFK4DGI

HDXB75WFK3DGI
HDXB95WFK4DGI
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HDXB76WFK3DGM
HDXB75WFK3DGM
HDXB73WFK3DGM
HDXB55WFK2DGM
HDXB53WFK2DGM
AD210EHDK22GI
ADX420WFK32GI
ADX425WFK32GI
ADX425WFK32GM
ADX435WFK32GI
ADX435WFK32GM
ADX620WFK42GI
ADX630WFK42GI
ADX640WFK42GM
AD400EHDK32GI
AD405EHDK32GI
AD600EHDK42GI
AD605EHDK42GI
HMM88EHEK32GI
HMM92EHEK42GI
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TMM640DBO23GQ
TMM620DBO23GQ
TMM600DBO23GQ
TMM560DBO22GQ
TMM540DBO22GQ
TMM520DBO22GQ
TMM500DBO22GQ
AMM360DBO22GQ
AMM340DBO22GQ
AMM320DBO22GQ
AMM300DBO22GQ
SMM140SBO12GQ
SMM120SBO12GQ
SMM100SBO12GQ
ADX255OCK23GQ
ADX250OCK23GQ
ADX245OCK23GQ
ADX240OCK23GQ
ADX215OCK22GQ
ADXB24OCK23GQ
ADXB22OCK23GQ

AD240EHDK23GQ
AD235EHDK23GQ
SDX140HDK13GQ
AMM320DBO22GQS
OS1381WGK4DGI
OS1385WGK4DGI
OS1389WGK4DGI
SMSI40SAM12GG
SMSI42SAM12GG
AMQI46SAM12GG
AMQL60DAM22GG
AMQL62DAM22GG
AMQL64DAM22GG
AMQL65DAM22GG
AMQL66DAM22GG
AMQL67DAM22GG
SMNI52DAM21GG
TMRM70DAM22GG
TMRM70DAM22GK
TMRM72DAM22GG
TMRM74DAM22GG
TMRM75DAM22GG
TMRM76DAM22GG
TMRM77DAM22GG
TMZM80DAM23GG
TMZM82DAM23GG
TMZM84DAM23GG
TMZM85DAM23GG
TMZM86DAM23GG
TMZM87DAM23GG
AMML310HAX5DM
AMML110HAX4DN
AMSTF36HAX3DN
AMDTF38HAX3DN
SMS3600HAX3DN
SMD3800HAX3DN
SMD4000HAX4DN
AMGTF20HAX4DN
AMETK42HAX5DM
SMDTJ43HAX4DM
AMDTK57HAX4DM
TMDTL60HAX5DM
ADV6000IAA5DO
ADA5800IAA5DO
ADA5600IAA5DO
ADO5600IAA5DS
ADO5600IAA5DO

ADO560BIAA5DO
ADO540BIAA5DO
ADO5400IAA5DO
ADO5400IAA5DS
ADO520BIAA5DO
ADO500BIAA5DO
ADO5000IAA5DU
ADO4600IAA5DO
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ADH485BIAA5DO
ADH4450IAA5DO
ADH445BIAA5DO
ADH4050IAA5DO
ADE3000HAX5DM
ADH1660IAA4DP
ADH1640IAA4DP
ADH164BIAA4DP
ADJ3250IAA5DO
ADJ6850IAA5DO
ADG2650IAV4DP
ADJ2850IAA4DP
SDO2400IAA4DO
SDO2300IAA4DO
SDO2200IAA4DO
SDO2100IAA4DO
SDH1300IAA4DP
SDH1250IAA4DP
SDH1250IAA4DW
SDG1050IAV4DP
ADJ3250IAA5DOS
TMDTL56HAX5DME
TMDTL62HAX5DME
ADD3600IAA5DOE
ADD4200IAA5DOE
ADJ3400IAA5DOE
SMD4000HAX4DNS
SMS3600HAX3DNS

ADV6000IAA5DOS
ADJ3250IAA5DOS
SMS3700HAX4DQE
SMF2100HAX3DQE
ADF2000IAV4DRE
ADG2600IAV4DRE
ADS3100IAR4DRE
ADC2200HAX4DQ
ADO5600IAA5DOS
ADH2300IAA5DDS
ADH3500IAA5DES
ADO5000IAA5DDS
TMDTL56HAX5DCS
TMDTL60HAX5DCS
TMDTL66HAX5DCS
TMDTL66HAX5DMS
TMDTL68HAX5DMS