



Product/Process Change Notice - PCN 11_0020 Rev. C

Analog Devices, Inc. Three Technology Way Norwood, Massachusetts 02062-9106

This notice is to inform you of a change that will be made to certain ADI products (see Material Report). Any issues with this PCN or requirements to qualify the change (additional data or samples) must be sent to ADI within 30 days of publication date. ADI contact information is listed below.

Note: Revised fields are indicated by a red field name. See Appendix B for revision history.

PCN Title: Conversion of Select Sizes of LFCSP Package Outlines from Punch to Sawn and Transfer of Assembly Site to StatsChippac Malaysia.

Publication Date: 16-Jul-2012

Effectivity Date: 14-Oct-2012 *(the earliest date that a customer could expect to receive changed material)*

Revision Description:

Added Parts and updated attachment 1 to include 16 leads-4x4mm body with 2.3mm sq. E-Pad package.

Description Of Change

ADI has qualified and will be utilizing Assembly subcontractor STATS ChipPAC in Malaysia (SCM) for LFCSP products. ADI has qualified SCM's standard bill of materials in a SAWN singulated leadframe. See attached for BOM changes and package outline differences.

Reason For Change

Sawn LFCSP is ADI's technology direction for LFCSP. The use of ADI qualified SCM as an assembly site will ensure continued source of product supply. ADI's assembly subcontractors manufacture our products using Analog Devices specified manufacturing flows, process controls and monitors. This assures that our customers receive the same level of quality and reliability on products they receive from qualified ADI manufacturing locations.

Impact of the change (positive or negative) on fit, form, function & reliability

The devices function and reliability as specified by the product datasheet will be unaffected by these changes. The Foot Print Dimension will remain the same for both punch and sawn LFCSP package.

Product Identification *(this section will describe how to identify the changed material)*

Malaysia will be the country of origin (laser marked on the package) for parts assembled at STATS ChipPAC.

Summary of Supporting Information

Qualification has been performed per ADI0012, Procedure for Qualification of New or Revised Processes. See attached Qualification Report Summary.

Supporting Documents

Attachment 1: Type: Package Outline Drawing

ADI_PCN_11_0020_Rev_C_LFCSP Punch to Sawn.pdf

Attachment 2: Type: Detailed Change Description

ADI_PCN_11_0020_Rev_C_LFCSP Punch to Sawn at SCM BOM.pdf

Attachment 3: Type: Qualification Report Summary

ADI_PCN_11_0020_Rev_C_Stats Chippac Malaysia_LFCSP_Qual_Summary.pdf

For questions on this PCN, send email to the regional contacts below or contact your local ADI sales representative

Americas: PCN_Americas@analog.com

Europe: PCN_Europe@analog.com

Japan: PCN_Japan@analog.com

Rest of Asia: PCN_ROA@analog.com

Appendix A - Affected ADI Models

Existing Parts - Product Family / Model Number (46)

AD5500 / AD11/2060Z-0REEL	AD5500 / AD11/2060Z-0REEL7	AD8137 / ADW13012Z	ADF4001 / ADF4001BCPZ	ADF4001 / ADF4001BCPZ-RL
ADF4001 / ADF4001BCPZ-RL7	ADF4107 / ADF4107BCPZ	ADF4107 / ADF4107BCPZ-REEL	ADF4107 / ADF4107BCPZ-REEL7	ADF4113 / ADF4113BCPZ
ADF4113 / ADF4113BCPZ-RL	ADF4113 / ADF4113BCPZ-RL7	ADF4153 / ADF4153BCPZ	ADF4153 / ADF4153BCPZ-RL	ADF4153 / ADF4153BCPZ-RL7
ADF4153 / ADF4153YCPZ	ADF4153 / ADF4153YCPZ-RL	ADF4153 / ADF4153YCPZ-RL7	ADF4350 / ADF4350BCPZ	ADF4350 / ADF4350BCPZ-RL7
ADF4350 / ADF4350BCPZ	ADF4350 / ADF4350BCPZ-RL	ADF4350 / ADF4350BCPZ-RL7	ADF4350 / ADF4901BCPZ	ADF4350 / ADF4901BCPZ-RL7
ADF4350 / ADF4902BCPZ	ADF4350 / ADF4902BCPZ-RL7	ADF4350 / SBF4350BCPZ-RL7	ADF4350 / SBF4350BCPZ	ADF4350 / SBF4350BCPZ-RL7
ADF7020-1 / AD57/006Z-0	ADF7020-1 / AD57/006Z-0RL	ADF7021 / AD45208Z-RL	ADF7021 / ADF7021BCPZ	ADF7021 / ADF7021BCPZ-RL
ADF7021 / ADF7021BCPZ-RL7	ADP1043 / ADP1043ACPZ	ADP1043 / ADP1043ACPZ-RL	ADP1043A / ADP1043ACPZ-R7	ADP1043A / ADP1043ACPZ-RL
ADP1043A / ADP1045ACPZ-RL	ADP8860 / ADP8860ACPZ-R7	SSM2602 / SSM2602CPZ-REEL	SSM2602 / SSM2602CPZ-REEL7	SSM2604 / SSM2604CPZ-REEL
SSM2604 / SSM2604CPZ-REEL7				

Added Parts On This Revision - Product Family / Model Number (10)

AD7699 / AD7699BCPZ	AD7699 / AD7699BCPZ-RL7	AD8133 / AD80201Z	AD8133 / AD8133ACPZ-REEL	AD8133 / AD8133ACPZ-REEL7
ADF7020-1 / ADF7020-1BCPZ	ADF7020-1 / ADF7020-1BCPZ-RL	ADF7020-1 / ADF7020-1BCPZ-RL7	ADN2855 / ADN2855ACPZ	ADN2855 / ADN2855ACPZ-R7

Removed Parts On All Revisions - Product Family / Model Number (92)

AD8137 / AD8137YCPZ-REEL	AD8137 / AD8137YCPZ-REEL7	AD8224 / AD8224ACPZ-R7	AD8224 / AD8224ACPZ-RL	AD8224 / AD8224BCPZ-R7
AD8224 / AD8224BCPZ-RL	AD8224 / AD8224HACPZ-R7	AD8224 / AD8224HACPZ-RL	AD8224 / AD8224HBCPZ-R7	AD8224 / AD8224HBCPZ-RL
AD8398A / AD8398ACPZ-R7	AD8398A / AD8398ACPZ-RL	ADF4106 / ADF4106BCPZ	ADF4106 / ADF4106BCPZ-R7	ADF4106 / ADF4106BCPZ-RL
ADF4106 / ADF4106SCPZ-EP	ADF4106 / ADF4106SCPZ-EP-R7	ADF7021-N / ADF7021-NBCPZ	ADF7021-N / ADF7021-NBCPZ-RL	ADF7021-N / ADF7021-NBCPZ-RL7
ADG1207 / ADG1207YCPZ-REEL7	ADG1209 / ADG1209YCPZ-REEL	ADG1209 / ADG1209YCPZ-REEL7	ADG1404 / ADG1404YCPZ-REEL	ADG1404 / ADG1404YCPZ-REEL7
ADG1406 / ADG1406BCPZ-REEL7	ADG1407 / ADG1407BCPZ-REEL7	ADG1411 / ADG1411YCPZ-REEL	ADG1411 / ADG1411YCPZ-REEL7	ADG1412 / ADG1412YCPZ-REEL
ADG1412 / ADG1412YCPZ-REEL7	ADG1433 / AD15/149Z-0RL	ADG1433 / ADG1433YCPZ-REEL	ADG1433 / ADG1433YCPZ-REEL7	ADG1434 / ADG1434YCPZ-REEL
ADG1434 / ADG1434YCPZ-REEL7	ADG1436 / ADG1436YCPZ-REEL	ADG1436 / ADG1436YCPZ-REEL7	ADG1611 / ADG1611BCPZ-REEL	ADG1611 / ADG1611BCPZ-REEL7
ADG1612 / ADG1612BCPZ-REEL	ADG1612 / ADG1612BCPZ-REEL7	ADG1613 / ADG1613BCPZ-REEL	ADG1613 / ADG1613BCPZ-REEL7	ADG1636 / ADG1636BCPZ-REEL
ADG1636 / ADG1636BCPZ-REEL7	ADP1706 / ADP1706ACPZ-0.75R7	ADP1706 / ADP1706ACPZ-0.8-R7	ADP1706 / ADP1706ACPZ-0.85R7	ADP1706 / ADP1706ACPZ-0.9-R7
ADP1706 / ADP1706ACPZ-0.95R7	ADP1706 / ADP1706ACPZ-1.0-R7	ADP1706 / ADP1706ACPZ-1.1-R7	ADP1706 / ADP1706ACPZ-1.15R7	ADP1706 / ADP1706ACPZ-1.2-R7
ADP1706 / ADP1706ACPZ-1.3-R7	ADP1706 / ADP1706ACPZ-1.5-R7	ADP1706 / ADP1706ACPZ-1.8-R7	ADP1706 / ADP1706ACPZ-2.5-R7	ADP1706 / ADP1706ACPZ-3.0-R7
ADP1706 / ADP1706ACPZ-3.3-R7	ADP1708 / ADP1708ACPZ-R7	ADP1740 / ADP1740ACPZ-0.75R7	ADP1740 / ADP1740ACPZ-1.0-R7	ADP1740 / ADP1740ACPZ-1.1-R7
ADP1740 / ADP1740ACPZ-1.2-R7	ADP1740 / ADP1740ACPZ-1.5-R7	ADP1740 / ADP1740ACPZ-1.8-R7	ADP1740 / ADP1740ACPZ-2.5-R7	ADP1741 / ADP1741ACPZ-R7
ADP1752 / ADP1752ACPZ-0.75R7	ADP1752 / ADP1752ACPZ-1.0-R7	ADP1752 / ADP1752ACPZ-1.1-R7	ADP1752 / ADP1752ACPZ-1.2-R7	ADP1752 / ADP1752ACPZ-1.5-R7
ADP1752 / ADP1752ACPZ-1.8-R7	ADP1752 / ADP1752ACPZ-2.5-R7	ADP1753 / ADP1753ACPZ-R7	ADP1754 / ADP1754ACPZ-0.75R7	ADP1754 / ADP1754ACPZ-1.0-R7
ADP1754 / ADP1754ACPZ-1.1-R7	ADP1754 / ADP1754ACPZ-1.2-R7	ADP1754 / ADP1754ACPZ-1.5-R7	ADP1754 / ADP1754ACPZ-1.8-R7	ADP1754 / ADP1754ACPZ-2.5-R7
ADP1755 / ADP1755ACPZ-R7	ADP2114 / ADP2114ACPZ-R7	ADP2116 / ADP2116ACPZ-R7	SSM2211 / SSM2211CPZ-REEL	SSM2211 / SSM2211CPZ-REEL7
SSM2306 / SSM2306CPZ-REEL	SSM2306 / SSM2306CPZ-REEL7			

Appendix B - Revision History

Rev	Publish Date	Effectivity Date	Rev Description
Rev. -	21-Jun-2011	19-Sep-2011	Initial Release
Rev. A	30-Aug-2011	30-Aug-2011	Remove parts not affected by this change.
Rev. B	26-Oct-2011	26-Oct-2011	Removal of parts not affected by this change.
Rev. C	16-Jul-2012	14-Oct-2012	Added Parts and updated attachment 1 to include 16 leads-4x4mm body with 2.3mm sq. E-Pad package.

