



## Product/Process Change Notice - PCN 11\_0020 Rev. E

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:** 29-May-2013

**Effectivity Date:** 29-May-2013 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Removal of parts

### 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.

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### Supporting Documents

**Attachment 1: Type:** Package Outline Drawing

ADI\_PCN\_11\_0020\_Rev\_E\_LFCSP Punch to Sawn.pdf

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**Attachment 2: Type:** Detailed Change Description

**Attachment 3: Type:** Qualification Report Summary

ADI\_PCN\_11\_0020\_Rev\_E\_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](mailto:PCN_Americas@analog.com)

**Europe:** [PCN\\_Europe@analog.com](mailto:PCN_Europe@analog.com)

**Japan:** [PCN\\_Japan@analog.com](mailto:PCN_Japan@analog.com)

**Rest of Asia:** [PCN\\_ROA@analog.com](mailto:PCN_ROA@analog.com)

**Appendix A - Affected ADI Models**

**Existing Parts - Product Family / Model Number (76)**

AD5600 / AD11/2060Z-0REEL	AD5600 / AD11/2060Z-0REEL7	AD7699 / AD7699BCPZ	AD7699 / AD7699BCPZRL7	AD8133 / AD80201Z
AD8133 / AD8133ACPZ-REEL	AD8133 / AD8133ACPZ-REEL7	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	ADM8845 / ADM8845ACPZ-REEL	ADM8845 / ADM8845ACPZ-REEL7	ADN2526 / ADN2526ACPZ	ADN2526 / ADN2526ACPZ-R7
ADN2530 / ADN2530YCPZ-500R7	ADN2530 / ADN2530YCPZ-REEL7	ADN2531 / ADN2531ACPZ	ADN2531 / ADN2531ACPZ-R7	ADN2855 / ADN2855ACPZ
ADN2855 / ADN2855ACPZ-R7	ADN2890 / ADN2890ACPZ-RL	ADN2890 / ADN2890ACPZ-RL7	ADN2891 / ADN2891ACPZ-500RL7	ADN2891 / ADN2891ACPZ-RL
ADN2891 / ADN2891ACPZ-RL7	ADN2892 / ADN2892ACPZ-500RL7	ADN2892 / ADN2892ACPZ-RL	ADN2892 / ADN2892ACPZ-RL7	ADP1043 / ADP1043ACPZ
ADP1043 / ADP1043ACPZ-RL	ADP1043A / ADP1043AACPZ-R7	ADP1043A / ADP1043AACPZ-RL	ADP1043A / ADP1045ACPZ-RL	ADP3334 / ADP3334ACPZ-REEL7
ADP3335 / ADP3335ACPZ-1.8-R7	ADP3335 / ADP3335ACPZ-2.5-R7	ADP3335 / ADP3335ACPZ-2.85R7	ADP3335 / ADP3335ACPZ-3.3-R7	ADP3335 / ADP3335ACPZ-3.3-RL
ADP3335 / ADP3335ACPZ-5-R7	ADP8860 / ADP8860ACPZ-R7	SSM2602 / SSM2602CPZ-REEL	SSM2602 / SSM2602CPZ-REEL7	SSM2604 / SSM2604CPZ-REEL
SSM2604 / SSM2604CPZ-REEL7				

**Removed Parts On All Revisions - Product Family / Model Number (95)**

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 / AD8398AACPZ-R7	AD8398A / AD8398AACPZ-RL	ADF4106 / ADF4106BCPZ	ADF4106 / ADF4106BCPZ-R7	ADF4106 / ADF4106BCPZ-RL
ADF4106 / ADF4106SCPZ-EP	ADF4106 / ADF4106SCPZ-EP-R7	ADF7020-1 / ADF7020-1BCPZ	ADF7020-1 / ADF7020-1BCPZ-RL	ADF7020-1 / ADF7020-1BCPZ-RL7
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**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
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.
Rev. D	11-Sep-2012	09-Dec-2012	Added Parts
Rev. E	29-May-2013	29-May-2013	Removal of parts

Analog Devices, Inc.

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