



## Product/Process Change Notice - PCN 22\_0048 Rev. -

Analog Devices, Inc. One Analog Way, Wilmington, MA 01887

This notice is to inform you of a change that will be made to certain ADI products (see Appendix A) that you may have purchased in the last 2 years. **Any inquiries or requests with this PCN (additional data or samples) must be sent to ADI within 30 days of publication date.** ADI contact information is listed below.

**PCN Title:** Addition of ASE Korea as an Alternate Assembly Site for Select LFCSP Products

**Publication Date:** 19-Apr-2022

**Effectivity Date:** 22-Jul-2022 *(the earliest date that a customer could expect to receive changed material)*

**Revision Description:**

Initial Release.

**Description Of Change:**

- 1) Assembly site for selected LFCSP parts are moving from UNISEM MALAYSIA (UG1) to ASE KOREA (AEK).
- 2) Change in Mold compound from Sumitomo G770HCD to Sumitomo G700LYT.
- 3) Change in Die Attached from Hysol QMI 519 conductive, Sumitomo CRM 1076NS conductive, Sumitomo CRM 1076DJ conductive to EN4900GC conductive.

Existing qualified BOM in AEK will be used.

Copy Exact LF and Same Package Outline Drawing

**Reason For Change:**

ASE KOREA (AEK) is being utilized as an additional assembly site for LFCSP products. ADI's assembly subcontractors manufacture products using Analog Devices specified manufacturing flows, materials, process controls and monitors, ensuring the same level of quality and reliability on products they receive from the new site.

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

No impact on form, fit and function or reliability.

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

Parts assembled at AET will be identified by Assembly Lot number and Date Code.

**Summary of Supporting Information:**

See attached Qualification Result.

**Supporting Documents**

**Attachment 1: Type:** Detailed Change Description

ADI\_PCN\_22\_0048\_Rev\_-\_Material Set for 16L 3x3x0.85 and 24L 4x4x0.85 LFCSP.pdf

**Attachment 2: Type:** Qualification Results Summary

ADI\_PCN\_22\_0048\_Rev\_-\_ASE Korea Qualification Report.pdf

**For questions on this PCN, please send an email to the regional contacts below or contact your local ADI sales representatives.**

**Americas:**  
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**Appendix A - Affected ADI Models**

**Added Parts On This Revision - Product Family / Model Number (382)**

ADH939S / HMC8465LP4E	ADRF5040 / ADRF5040BCPZ	ADRF5040 / ADRF5040BCPZ-R7	ADRF5130 / ADRF5130BCPZ	ADRF5130 / ADRF5130BCPZ-R7
HMC1010 / HMC1010LP4E	HMC1010 / HMC1010LP4ETR	HMC1013 / HMC1013LP4E	HMC1013 / HMC1013LP4ETR	HMC1013 / HMC1013LP4ETR-R1
HMC1018A / HMC1018ALP4E	HMC1018A / HMC1018ALP4ETR	HMC1019A / HMC1019ALP4E	HMC1019A / HMC1019ALP4ETR	HMC1020 / HMC1020LP4E
HMC1020 / HMC1020LP4ETR	HMC1021 / HMC1021LP4E	HMC1021 / HMC1021LP4ETR	HMC1040 / HMC1040LP3CE	HMC1040 / HMC1040LP3CETR
HMC1044 / HMC1044LP3E	HMC1044 / HMC1044LP3ETR	HMC1045 / HMC1045LP3E	HMC1045 / HMC1045LP3ETR	HMC1063 / HMC1063LP3E
HMC1063 / HMC1063LP3ETR	HMC1065 / HMC1065LP4E	HMC1065 / HMC1065LP4ETR	HMC1082 / HMC1082LP4E	HMC1082 / HMC1082LP4ETR
HMC1094 / HMC1094LP3E	HMC1094 / HMC1094LP3ETR	HMC1095 / HMC1095LP4E	HMC1095 / HMC1095LP4ETR	HMC1096 / HMC1096LP3E
HMC1096 / HMC1096LP3ETR	HMC1097 / HMC1097LP4E	HMC1097 / HMC1097LP4ETR	HMC1118 / HMC1118LP3DE	HMC1118 / HMC1118LP3DETR
HMC1119 / HMC1119LP4ME	HMC1119 / HMC1119LP4METR	HMC1120 / HMC1120LP4E	HMC1120 / HMC1120LP4ETR	HMC1122 / HMC1122LP4ME
HMC1122 / HMC1122LP4METR	HMC263G / HMC263LP4E	HMC263G / HMC263LP4ETR	HMC2991 / HMC2991LP4E	HMC2991 / HMC2991LP4ETR
HMC305S / HMC305SLP4E	HMC305S / HMC305SLP4ETR	HMC322AG / HMC322ALP4E	HMC322AG / HMC322ALP4ETR	HMC3410 / HMC3410LP4E
HMC3410 / HMC3410LP4ETR	HMC3411 / HMC3411LP4E	HMC3411 / HMC3411LP4ETR	HMC346A / HMC346ALP3E	HMC346A / HMC346ALP3ETR
HMC346G / HMC346LP3E	HMC346G / HMC346LP3ETR	HMC347AG / HMC347ALP3E	HMC347AG / HMC347ALP3ETR	HMC348 / HMC348LP3ETR
HMC356 / HMC356LP3E	HMC356 / HMC356LP3ETR	HMC368 / HMC368LP4E	HMC368 / HMC368LP4ETR	HMC369 / HMC369LP3E
HMC369 / HMC369LP3ETR	HMC370 / HMC370LP4E	HMC370 / HMC370LP4ETR	HMC3716 / HMC3716LP4E	HMC3716 / HMC3716LP4ETR
HMC372 / HMC372LP3E	HMC372 / HMC372LP3ETR	HMC373 / HMC373LP3E	HMC373 / HMC373LP3ETR	HMC375 / HMC375LP3E
HMC375 / HMC375LP3ETR	HMC376 / HMC376LP3E	HMC376 / HMC376LP3ETR	HMC382 / HMC382LP3E	HMC382 / HMC382LP3ETR
HMC384 / HMC384LP4E	HMC384 / HMC384LP4ETR	HMC385 / HMC385LP4E	HMC385 / HMC385LP4ETR	HMC386 / HMC386LP4E
HMC386 / HMC386LP4ETR	HMC388 / HMC388LP4E	HMC388 / HMC388LP4ETR	HMC389 / HMC389LP4E	HMC389 / HMC389LP4ETR
HMC390 / HMC390LP4E	HMC390 / HMC390LP4ETR	HMC391 / HMC391LP4E	HMC391 / HMC391LP4ETR	HMC394 / HMC394LP4E
HMC394 / HMC394LP4ETR	HMC4069 / HMC4069LP4E	HMC4069 / HMC4069LP4ETR	HMC408 / HMC408LP3E	HMC408 / HMC408LP3ETR
HMC409 / HMC409LP4E	HMC409 / HMC409LP4ETR	HMC415 / HMC415LP3E	HMC415 / HMC415LP3ETR	HMC416 / HMC416LP4E
HMC416 / HMC416LP4ETR	HMC4202 / HMC4202LP3E	HMC4202 / HMC4202LP3ETR	HMC4203 / HMC4203LP3E	HMC4203 / HMC4203LP3ETR
HMC427A / HMC427ALP3E	HMC427A / HMC427ALP3ETR	HMC429 / HMC429LP4E	HMC429 / HMC429LP4ETR	HMC430 / HMC430LP4E
HMC430 / HMC430LP4ETR	HMC431 / HMC431LP4E	HMC431 / HMC431LP4ETR	HMC441G / HMC441LP3E	HMC441G / HMC441LP3ETR
HMC443 / HMC443LP4E	HMC443 / HMC443LP4ETR	HMC444 / HMC444LP4E	HMC444 / HMC444LP4ETR	HMC445 / HMC445LP4E
HMC445 / HMC445LP4ETR	HMC451G / HMC451LP3E	HMC451G / HMC451LP3ETR	HMC455 / HMC455LP3E	HMC455 / HMC455LP3ETR
HMC4623 / HMC4623LP3E	HMC4623 / HMC4623LP3ETR	HMC466 / HMC466LP4E	HMC466 / HMC466LP4ETR	HMC466A / HMC466ALP3E
HMC466A / HMC466ALP3ETR	HMC470A / HMC470ALP3E	HMC470A / HMC470ALP3ETR	HMC472A / HMC472ALP4E	HMC472A / HMC472ALP4ETR
HMC4865 / HMC4865LP3E	HMC4865 / HMC4865LP3ETR	HMC492 / HMC492LP3E	HMC492 / HMC492LP3ETR	HMC493 / HMC493LP3E
HMC493 / HMC493LP3ETR	HMC494 / HMC494LP3E	HMC494 / HMC494LP3ETR	HMC495 / HMC495LP3E	HMC495 / HMC495LP3ETR
HMC500 / HMC500LP3E	HMC500 / HMC500LP3ETR	HMC5011A / HMC5011ALP4E	HMC5011A / HMC5011ALP4ETR	HMC5015 / HMC5015LP4E
HMC5015 / HMC5015LP4ETR	HMC505 / HMC505LP4E	HMC505 / HMC505LP4ETR	HMC506 / HMC506LP4E	HMC506 / HMC506LP4ETR
HMC5202 / HMC5202LP4E	HMC5202 / HMC5202LP4ETR	HMC532 / HMC532LP4E	HMC532 / HMC532LP4ETR	HMC533 / HMC533LP4E
HMC533 / HMC533LP4ETR	HMC535 / HMC535LP4E	HMC535 / HMC535LP4ETR	HMC539A / HMC539ALP3E	HMC539A / HMC539ALP3ETR
HMC540S / HMC540SLP3E	HMC540S / HMC540SLP3ETR	HMC5449 / HMC5449LP3E	HMC5449 / HMC5449LP3ETR	HMC547A / HMC547ALP3E
HMC547A / HMC547ALP3ETR	HMC561G / HMC561LP3E	HMC561G / HMC561LP3ETR	HMC566G / HMC566LP4E	HMC566G / HMC566LP4ETR
HMC5688A / HMC5688ALP4E	HMC5688A / HMC5688ALP4ETR	HMC575 / HMC575LP4E	HMC575 / HMC575LP4ETR	HMC5869B / HMC5869BLP3E
HMC5869B / HMC5869BLP3ETR	HMC593 / HMC593LP3ETR	HMC596 / HMC596LP4E	HMC596 / HMC596LP4ETR	HMC600 / HMC600LP4E
HMC600 / HMC600LP4ETR	HMC602 / HMC602LP4E	HMC602 / HMC602LP4ETR	HMC611G / HMC611LP4E	HMC611G / HMC611LP4ETR
HMC615 / HMC615LP4ETR	HMC6153 / HMC6153LP4E	HMC6153 / HMC6153LP4ETR	HMC6154 / HMC6154LP4E	HMC6154 / HMC6154LP4ETR
HMC6182 / HMC6182LP3CE	HMC6182 / HMC6182LP3CETR	HMC6187G / HMC6187LP4E	HMC6187G / HMC6187LP4ETR	HMC629A / HMC629ALP4E
HMC629A / HMC629ALP4ETR	HMC630 / HMC630LP3E	HMC630 / HMC630LP3ETR	HMC631 / HMC631LP3E	HMC631 / HMC631LP3ETR
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HMC662 / HMC662LP3ETR	HMC6627A / HMC6627ALP4E	HMC6627A / HMC6627ALP4ETR	HMC6628 / HMC6628LP4E	HMC6628 / HMC6628LP4ETR
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HMC668 / HMC668LP3ETR	HMC669 / HMC669LP3E	HMC669 / HMC669LP3ETR	HMC674 / HMC674LP3E	HMC674 / HMC674LP3ETR
HMC675 / HMC675LP3E	HMC675 / HMC675LP3ETR	HMC680 / HMC680LP4E	HMC6811 / HMC6811CLP3E	HMC6811 / HMC6811CLP3ETR

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HMC686 / HMC686LP4ETR	HMC687 / HMC687LP4E	HMC687 / HMC687LP4ETR	HMC688 / HMC688LP4E	HMC688 / HMC688LP4ETR
HMC689 / HMC689LP4E	HMC689 / HMC689LP4ETR	HMC694G / HMC694LP4E	HMC694G / HMC694LP4ETR	HMC695 / HMC695LP4E
HMC695 / HMC695LP4ETR	HMC696 / HMC696LP4E	HMC696 / HMC696LP4ETR	HMC697 / HMC697LP4E	HMC697 / HMC697LP4ETR
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HMC705 / HMC705LP4ETR	HMC712A / HMC712ALP3CE	HMC712A / HMC712ALP3CETR	HMC713 / HMC713LP3E	HMC713 / HMC713LP3ETR
HMC715 / HMC715LP3E	HMC715 / HMC715LP3ETR	HMC7150 / HMC7150LP3DE	HMC7150 / HMC7150LP3DETR	HMC716 / HMC716LP3E
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HMC721 / HMC721LP3E	HMC721 / HMC721LP3ETR	HMC722 / HMC722LP3E	HMC722 / HMC722LP3ETR	HMC723 / HMC723LP3E
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HMC759 / HMC759LP3ETR	HMC7799 / HMC7799LP3E	HMC7799 / HMC7799LP3ETR	HMC7836 / HMC7836LP4E	HMC7836 / HMC7836LP4ETR
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HMC799 / HMC799LP3E	HMC799 / HMC799LP3ETR	HMC7992 / HMC7992LP3DE	HMC7992 / HMC7992LP3DETR	HMC802A / HMC802ALP3E
HMC802A / HMC802ALP3ETR	HMC8073 / HMC8073LP3DE	HMC8073 / HMC8073LP3DETR	HMC8207 / HMC8207LP3E	HMC8207 / HMC8207LP3ETR
HMC860 / HMC860LP3E	HMC860 / HMC860LP3ETR	HMC862A / HMC862ALP3E	HMC862A / HMC862ALP3ETR	HMC863G / HMC863LP4E
HMC863G / HMC863LP4ETR	HMC898 / HMC898LP4E	HMC899G / HMC899LP4E	HMC902G / HMC902LP3E	HMC902G / HMC902LP3ETR
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HMC909 / HMC909LP4ETR	HMC914 / HMC914LP4E	HMC914 / HMC914LP4ETR	HMC921 / HMC921LP4E	HMC921 / HMC921LP4ETR
HMC939AG / HMC939ALP4E	HMC939AG / HMC939ALP4ETR	HMC941AG / HMC941ALP4E	HMC941AG / HMC941ALP4ETR	HMC942 / HMC942LP4E
HMC942 / HMC942LP4ETR	HMC948 / HMC948LP3E	HMC948 / HMC948LP3ETR	HMC951A / HMC951ALP4E	HMC951A / HMC951ALP4ETR
HMC951B / HMC951BLP4E	HMC951B / HMC951BLP4ETR	HMC966 / HMC966LP4E	HMC966 / HMC966LP4ETR	HMC967 / HMC967LP4E
HMC967 / HMC967LP4ETR	HMC973A / HMC973ALP3E	HMC973A / HMC973ALP3ETR	HMC977G / HMC977LP4E	HMC977G / HMC977LP4ETR
HMC980G / HMC980LP4E	HMC980G / HMC980LP4ETR	HMC981G / HMC981LP3E	HMC981G / HMC981LP3ETR	HMC984 / HMC984LP4E
HMC984 / HMC984LP4ETR	HMC985AG / HMC985ALP4KE	HMC985AG / HMC985ALP4KETR	HMC988 / HMC988LP3E	HMC988 / HMC988LP3ETR
HMC996 / HMC996LP4E	HMC996 / HMC996LP4ETR			

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	19-Apr-2022	22-Jul-2022	Initial Release.

Analog Devices, Inc.

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