



## Product/Process Change Notice - PCN 15\_0219 Rev. -

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 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:** Laser Marking Standardization for Aerospace Packages  
**Publication Date:** 18-Nov-2015  
**Effectivity Date:** 16-Jan-2016 *(the earliest date that a customer could expect to receive changed material)*

### Revision Description:

Initial Release

### Description Of Change

Change marking for all aerospace grade devices from Ink to Laser.

Note, for die part numbers on the affected models list, the change is being made to the assembled die qualification samples.

### Reason For Change

1. Laser marking standardization.
2. Simplified marking process through elimination of ink preparation, mark cure and mark permanency test.

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

No effect on fit, function and reliability.

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

Date Code 1602

### Summary of Supporting Information

See attached qualification report for Group D Subgroup 5 test results.

### Supporting Documents

**Attachment 1: Type:** Qualification Results Summary

ADI\_PCN\_15\_0219\_Rev\_-\_Laser Mark Standardization (TOP\_BOTTOM)for Aerospace Packages.pdf

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

**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**

**Added Parts On This Revision - Product Family / Model Number (464)**

AD1671S / AD1671-063F	AD1671S / AD16710034D	AD1671S / AD16710703D	AD1671S / AD16710703F	AD1671S / AD16710713F
AD1672S / AD1672-713D	AD1672S / AD16720703F	AD1672S / AD1672F-EMX	AD2580S / AD2580-035D	AD2580S / AD25800034D
AD2580S / AD25800703D	AD2580S / AD2580TE-EMX	AD524S / 5962R8853901V2A	AD524S / 5962R8853901VEA	AD534S / 5962-9053701VCA
AD534S / 5962-9053701VMA	AD534S / AD5340000C	AD537S / AD5370703D	AD561S / AD5610000C	AD561S / AD5610703D
AD562S / AD5620032D	AD565S / 5962-9689201VJA	AD565S / 5962-9689202VJA	AD565S / AD565-000C	AD565S / AD5650059C
AD571S / 5962-8680203VVA	AD571S / AD5710000C	AD571S / AD5710703D	AD574S / 5962R8512701VXA	AD574S / 5962R8512701VZA
AD574S / 5962R8512702VXA	AD574S / 5962R8512702VZA	AD574S / AD574-000C	AD574S / AD574AUF-EMX	AD574S / AD574R000C
AD584S / 5962-3812801VGA	AD584S / 5962-3812802VGA	AD584S / 5962L3812805VGA	AD584S / 5962R3812801VGA	AD584S / 5962R3812802VGA
AD584S / AD584-000C	AD584S / AD584R000C	AD585S / AD585-020E	AD585S / AD585-703M	AD585S / AD585-713M
AD589S / 5962-8992901VXA	AD590S / 5962L8757105VYA	AD590S / 5962R8757103VXA	AD590S / 5962R8757103VYA	AD590S / 5962R8757104VXA
AD590S / 5962R8757104VXC	AD590S / 5962R8757104VYA	AD590S / AD590-000C	AD590S / AD590-111F	AD590S / AD590-112H
AD590S / AD5900703F	AD590S / AD5900803H	AD590S / AD590R000C	AD648S / 5962-9753501VGA	AD648S / 5962-9753501VPA
AD648S / 5962-9753502VGA	AD648S / 5962-9753502VPA	AD648S / AD6480703Q	AD648S / AD6480803D	AD652S / 5962-9322201VEA
AD6645S / 5962L0423003VXC	AD6645S / 5962R0423002VXC	AD667S / AD667-000C	AD667S / AD6670703D	AD667S / AD6670703F
AD667S / AD6670713F	AD670S / AD670-000C	AD670S / AD670002C	AD670S / AD6700014C	AD670S / AD6700703D
AD7226S / AD72260021N	AD768S / 5962R0820101VZA	AD768S / AD768AF-EMX	AD7716S / AD77160001J44	AD780S / 5962R9463602VXA
AD780S / AD780AF-EMX	AD8001S / 5962L9459302VHA	AD8001S / 5962R9459301VHA	AD8001S / 5962R9459301VPA	AD8001S / AD80010009C
AD8041S / 5962L9683903VHA	AD8041S / 5962R9683902VHA	AD8041S / 5962R9683902VPA	AD8041S / AD8041-000C	AD8041S / AD80410001C
AD8041S / AD80410004Q	AD8041S / AD8041R000C	AD8041S / AD8041SL-EMX	AD8138S / 5962L0922002VHA	AD8138S / 5962R0922001VHA
AD8138S / AD8138AL-EMX	AD8182S / 5962L1021102VDA	AD8182S / 5962R1021101VDA	AD8182S / AD8182AM-EMX	AD8210S / 5962R1223301VXA
AD8210S / AD8210AF-EMX	AD8212S / 5962L0924402VHA	AD8212S / 5962R0924401VHA	AD8212S / AD8212AL-EMX	AD8212S / AD8212R000C
AD8229S / 5962R1420501VXA	AD8229S / AD8229AF-EMX	AD822S / AD822-011C	AD8306S / 5962L9864603VXA	AD8306S / 5962R9864602VXA
AD8306S / AD8306AF-EMX	AD8346S / 5962L0922702VXA	AD8346S / 5962R0922701VXA	AD8346S / AD8346AF-EMX	AD8351S / 5962L0821802V2A
AD8351S / 5962R0821801V2A	AD8351S / AD8351ARC-EMX	AD8367S / AD8367AF-EMX	AD8367S / AD8367L703F	AD8367S / AD8367R703F
AD844S / 5962L8964402VPA	AD844S / 5962R8964401VPA	AD847S / AD8470015C	AD847S / AD8470703Q	AD8561S / 5962-0051501VPA
AD8561S / 5962L0051502VHA	AD8561S / 5962R0051501VHA	AD8561S / 5962R0051501VPA	AD8561S / AD8561AL-EMX	AD8629S / AD8629AL-EMX
AD8629S / AD8629D000C	AD8629S / AD8629D703L	AD8671S / 5962L0922301VHA	AD8671S / AD8671AL-EMX	AD8674S / 5962L0922401VDA
AD8674S / AD8674AM-EMX	AD9042S / 5962L0253802VZA	AD9042S / 5962R0253801VXA	AD9042S / 5962R0253801VZA	AD9042S / AD9042SD-EMX
AD9042S / AD9042SF-EMX	AD9054AS / AD90540703J44	AD9254S / AD9254BF-EMX	AD9254S / AD9254R703F	AD9283S / AD9283-703RC
AD9283S / AD9283RC-EMX	AD9696S / AD96960020Q	AD9731S / AD97310005F	AD9731S / AD97310703D	AD9731S / AD97310703F
AD9731S / AD97310713D	AD9731S / AD97310713F	AD9814S / AD9814-703F	ADA4062-2S / ADA4062-2-001C	ADA4077-2S / 5962R1423301VXA
ADA4077-2S / ADA4077-2AF-EMX	ADA4084-2S / 5962R1324501VXA	ADA4084-2S / ADA4084-2AF-EMX	ADA4084-2S / ADA4084AF-EMX	ADA4096-2S / 5962R1420601VXA
ADA4096-2S / ADA4096-2AF-EMX	ADA4096-2S / ADA4096AF-EMX	ADA4096-2S / ADA4096R703F	ADA4610-2S / 5962R1420701VXA	ADA4610-2S / ADA4610-2BF-EMX
ADA4610-2S / ADA4610BF-EMX	ADA4610-2S / ADA4610R703F	ADCLK925S / 5962R1320501VXA	ADCLK925S / ADCLK925AF-EMX	ADF4108S / 5962L1420401VXA
ADF4108S / 5962L1420402VXA	ADF4108S / ADF4108BF-EMX	ADG201S / ADG201-000C	ADG201S / ADG2010803Q	ADL5501S / 5962L1123902VHA
ADL5501S / 5962R1123901VHA	ADL5501S / ADL5501AL-EMX	ADL5513S / 5962R1120301VXA	ADL5513S / ADL5513AF-EMX	AERO MECH SAMP / F-16-MECH-SAMPLE
AERO MECH SAMP / F-2-MECH-SAMPLE	AERO MECH SAMP / F-28-MECH-SAMPLE	AERO MECH SAMP / F-52-MECH-SAMPLE	AERO MECH SAMP / F-52C-MECH-SAMPLE	AERO MECH SAMP / L-MECH-SAMPLE
AERO MECH SAMP / M-MECH-SAMPLE	AERO MECH SAMP / N-24-MECH-SAMPLE	AERO MECH SAMP / RC-MECH-SAMPLE	AMP01S / 5962-8863001V3A	AMP01S / 5962-8863001VVA
AMP01S / 5962-8863003V3A	AMP01S / 5962-8863003VKA	AMP01S / 5962-8863003VVA	AMP01S / AMP01-000C	AMP01S / AMP010131C
AMP01S / AMP010803N	DAC08S / 5962L8993203VFA	DAC08S / 5962R8993201V2A	DAC08S / 5962R8993201VEA	DAC08S / 5962R8993201VFA
DAC08S / 5962R8993202V2A	DAC08S / 5962R8993202VEA	DAC08S / 5962R8993202VFA	DAC08S / DAC080000C	DAC08S / DAC08AF-EMX
DAC08S / DAC08R000C	DAC08S / JM38510/11301SEA	DAC08S / JM38510/11302SEA	DAC100S / DAC1000703Q	DAC100S / DAC1000713Q
MAT02S / MAT02-067C	MAT02S / MAT020000C	MAT02S / MAT020053RC	MAT02S / MAT020062L	MAT02S / MAT020903H
MAT03S / MAT030000C	MAT03S / MAT030903L	MUX08S / MUX080913Q	OP07S / 5962R9863901VGA	OP07S / 5962R9863901VHA
OP07S / 5962R9863901VPA	OP07S / JM38510/13501BGA	OP07S / JM38510/13501BPA	OP07S / JM38510/13501SGA	OP07S / JM38510/13501SPA
OP07S / JM38510/13502BGA	OP07S / JM38510/13502SGA	OP07S / JM38510/13502SPA	OP07S / OP070000C	OP07S / OP07R000C

OP08S / OP080051J	OP08S / OP080053L	OP08S / OP080132C	OP11S / 5962-8980101VCA	OP11S / 5962-8980101VDA
OP11S / OP11-269C	OP11S / OP110000C	OP11S / OP110133Y	OP11S / OP110803Y	OP12S / OP120000C
OP12S / OP120023J	OP12S / OP120025L	OP12S / OP120045C	OP15S / 5962R8954203VGA	OP15S / 5962R8954203VHA
OP15S / 5962R8954203VPA	OP15S / OP150112L	OP15S / OP150113J	OP15S / OP150133J	OP15S / OP150232Z
OP15S / OP150359MB	OP15S / OP150374Z	OP15S / OP150903J	OP16S / 5962R8954304VGA	OP16S / 5962R8954304VPA
OP16S / OP160220J	OP200S / 5962-8859301V2A	OP200S / 5962-8859301VPA	OP207S / 5962R0821401VCA	OP215S / 5962R8853801VGA
OP215S / 5962R8853801VPA	OP215S / 5962R8853804V2A	OP215S / OP215-000C	OP215S / OP2150217C	OP215S / OP2150903Z
OP215S / OP215R000C	OP227S / OP227R903M	OP227S / OP227R903Y	OP22S / OP220903J	OP270S / 5962-8872101V2A
OP270S / 5962-8872101VPA	OP270S / 5962R8872101V2A	OP270S / 5962R8872101VDA	OP270S / 5962R8872101VPA	OP270S / OP2700000C
OP270S / OP2700084Z	OP270S / OP2700085M	OP270S / OP2700095C	OP270S / OP2700100Z	OP270S / OP2700578Z
OP270S / OP270R000C	OP27S / 5962L9468003VHA	OP27S / 5962R9468002V2A	OP27S / 5962R9468002VGA	OP27S / 5962R9468002VHA
OP27S / 5962R9468002VPA	OP27S / JM38510/13503BGA	OP27S / JM38510/13503BPA	OP27S / JM38510/13503SGA	OP27S / JM38510/13503SPA
OP27S / OP270000C	OP27S / OP270460RC	OP27S / OP270637RC	OP27S / OP270658L	OP27S / OP270903L
OP27S / OP27AL-EMX	OP27S / OP27R000C	OP284S / OP284-WFR	OP37S / 5962-8853701VGA	OP37S / 5962-8853701VPA
OP37S / OP370235J	OP37S / OP370240RC	OP37S / OP370246J	OP37S / OP370247J	OP37S / OP370256C
OP37S / OP370903J	OP37S / OP370903Z	OP400S / 5962-8777101V3A	OP400S / 5962-8777101VCA	OP400S / 5962-8777101VKA
OP400S / OP400-000C	OP400S / OP4000186C	OP400S / OP4000197Y	OP400S / OP4000226Y	OP400S / OP4000229TC
OP400S / OP4000234N	OP400S / OP4000242Y	OP400S / OP4000243C	OP42S / 5962-8851301VGA	OP42S / 5962-8851301VPA
OP42S / OP420082J	OP42S / OP420903L	OP467S / 5962-9325801V2A	OP467S / 5962R9325801VCA	OP467S / 5962R9325801VDA
OP467S / OP4670006RC	OP467S / OP467AM-EMX	OP470S / 5962-8856501V2A	OP470S / 5962L8856503VCA	OP470S / 5962R8856501V2A
OP470S / 5962R8856501VCA	OP470S / 5962R8856501VKA	OP470S / OP470-000C	OP470S / OP470-122RC	OP470S / OP4700903TC
OP470S / OP470R000C	OP471S / 5962L8856504VDA	OP471S / 5962R8856502VCA	OP471S / 5962R8856502VDA	OP471S / 5962R8856502VKA
OP471S / OP471-000C	OP471S / OP471-085C	OP471S / OP471R000C	OP484S / 5962-0051701VCA	OP484S / 5962-0051701VDA
OP484S / 5962L0051702VDA	OP484S / 5962R0051701VCA	OP484S / 5962R0051701VDA	OP484S / OP484-000C	OP484S / OP4840005M
OP484S / OP4840006C	OP484S / OP4840009C	OP484S / OP4840012M	OP484S / OP4840014C	OP484S / OP484AM-EMX
OP484S / OP484R000C	OP77S / 5962-8773802V2A	OP77S / 5962-8773802VGA	OP77S / 5962-8773802VHA	OP77S / 5962-8773802VPA
OP77S / OP770140M	OP77S / OP770903L	PM108S / 5962R9863701VGA	PM108S / 5962R9863701VHA	PM108S / 5962R9863701VPA
PM108S / JM38510/10104SGA	PM108S / PM1080000C	PM108S / PM1080215J	PM108S / PM1080395C	PM108S / PM1080400C
PM108S / PM108R000C	PM111S / JM38510/10304SGA	PM111S / JM38510/10304SPA	PM111S / PM111-218C	PM111S / PM1110131C
PM139S / 5962L8773903VDA	PM139S / 5962R8773901V2A	PM139S / 5962R8773901VCA	PM139S / 5962R8773901VDA	PM139S / PM139-381C
PM139S / PM139-382C	PM139S / PM1390000C	PM139S / PM1390303M	PM139S / PM1390305M	PM139S / PM1390320M
PM139S / PM1390327M	PM139S / PM1390338M	PM139S / PM1390343M	PM139S / PM1390368M	PM139S / PM1390371C
PM139S / PM1390803RC	PM139S / PM1390903Y	PM139S / PM139R000C	PM155S / 5962R9863601VGA	PM155S / 5962R9863601VPA
PM155S / JM38510/11404SGA	PM155S / JM38510/11404SPA	PM155S / 5962R9863602VGA	PM155S / 5962R9863602VPA	PM155S / JM38510/11402BPA
PM155S / JM38510/11402SGA	PM155S / JM38510/11402SPA	PM155S / JM38510/11405BGA	PM155S / JM38510/11405BPA	PM155S / JM38510/11405SGA
PM155S / JM38510/11405SPA	PM155S / PM1550128C	REF01S / 5962L8958105VHA	REF01S / 5962R8958101V2A	REF01S / 5962R8958101VGA
REF01S / 5962R8958101VHA	REF01S / 5962R8958101VPA	REF01S / REF01-000C	REF01S / REF010289L	REF01S / REF01R000C
REF02S / 5962L8551405VHA	REF02S / 5962R8551401V2A	REF02S / 5962R8551401VGA	REF02S / 5962R8551401VHA	REF02S / 5962R8551401VPA
REF02S / REF02-448C	REF02S / REF020000C	REF02S / REF020378C	REF02S / REF02R000C	REF05S / 5962L0051602VHA
REF05S / 5962R0051601VGA	REF05S / 5962R0051601VHA	REF05S / 5962R0051601VPA	REF05S / REF05-084L	REF05S / REF050028J
REF05S / REF050048J	REF05S / REF050054J	REF05S / REF050074J	REF05S / REF050083J	REF05S / REF050903L
REF10S / 5962L8947903VHA	REF10S / 5962R8947901VGA	REF10S / 5962R8947901VHA	REF10S / REF100007J	REF10S / REF100020L
REF10S / REF100029J	REF10S / REF100089J	REF43S / REF430077RC	REF43S / REF430086RC	REF43S / REF430803J
REF43S / REF430803L	REF43S / REF430803RC	REF43S / REF430803Z	REF43S / REF43AL-EMX	REF43S / REF43R103L
REF43S / REF43R803J	REF43S / REF43R803L	REF43S / REF43R803RC	REF43S / REF43R803Z	SMP11S / SMP11-201Y
SMP11S / SMP11-203Y	SMP11S / SMP110094Y	SMP11S / SMP110803Y	SW06S / SW060060F	SW201S / SW201-042Q
SW201S / SW2010072Q	SW201S / SW2010078Q	SW201S / SW2010079Q	SW201S / SW2010803Q	

**Appendix B - Revision History**

<b>Rev</b>	<b>Publish Date</b>	<b>Effectivity Date</b>	<b>Rev Description</b>
Rev. -	18-Nov-2015	16-Jan-2016	Initial Release

Analog Devices, Inc.

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