CHANGE NOTIFICATION

Analog Devices, Inc.
1630 McCarthy Blvd., Milpitas, CA 95035-7417
(408) 432-1900

March 30, 2017

Dear Sir/Madam: PCN#033017

Subject: **Notification of Qualification of Alternate Inductor for LTM2882, LTM2883 µModule Regulator**

This notice is to inform you that Analog Devices has qualified an alternate inductor for use in the assembly of the LTM2882, LTM2883 µModule regulator. The change is transparent in customer applications since there is no change in form, fit, function, quality or reliability of the products. The product datasheet is unchanged. This qualification is being made to extend the operation temperature range of the LTM2882 and LTM2883 to enable the release of H grade versions.

The new inductor has been qualified through the assembly and characterization of multiple LTM2882, LTM2883 lots over the full operating junction temperature range and through rigorous engineering bench evaluations. In addition, standard qualification tests were successfully completed, including thermal shock, temperature cycling and high temperature operating life per JEDEC and Linear Technology standards. The qualification results summary is attached. The list of affected part numbers is shown below.

List of affected part numbers:
LTM2882CY-3#PBF
LTM2882IY-3#PBF
LTM2882CY-5#PBF
LTM2882IY-5#PBF
LTM2882CV-3#PBF
LTM2882IV-3#PBF
LTM2882CV-5#PBF
LTM2882IV-5#PBF
LTM2883CY-3S#PBF
LTM2883IY-3S#PBF
LTM2883CY-5S#PBF
LTM2883IY-5S#PBF
LTM2883CY-3I#PBF
LTM2883IY-3I#PBF
LTM2883CY-5I#PBF
LTM2883IY-5I#PBF

Analog Devices will accept requests for revised samples within 30 days of the date of this notification. Production shipments of product incorporating the alternate assembly will begin no sooner than May 30, 2017.

Should you have any further questions, please feel free to contact me at 408-432-1900 ext. 2077, or by E-mail JASON.HU@LINEAR.COM. If I do not hear from you by May 30, 2017, we will consider this change approved by your company.

Sincerely,

Jason Hu
Quality Assurance Engineer

LINEAR TECHNOLOGY | NOW PART OF ANALOG DEVICES

PACKAGE RELIABILITY DATA
LTM2882 / LTM2883 Second Source Inductor Qualification
3/23/2017

• HIGH TEMPERATURE OPERATING LIFE TEST at 125°C

PACKAGE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE HOURS AT +150°C	NUMBER OF FAILURES
LTM2882	77	1614	1614	77.00	0
LTM2883	76	1614	1614	76.00	0
	153			153.00	0

• HIGH TEMPERATURE BAKE at 150°C

PACKAGE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE HOURS AT +150°C	NUMBER OF FAILURES
LTM2882	77	1614	1614	77.00	0
LTM2883	77	1614	1614	77.00	0
	154			154.00	0

• TEMP CYCLE FROM -55°C to +125°C [1]

PACKAGE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE CYCLES	NUMBER OF FAILURES
LTM2882[1]	77	1614	1614	77.00	0
LTM2883[2]	77	1614	1614	77.00	0
	154			154.00	0

• THERMAL SHOCK FROM -55°C to +125°C [1]

PACKAGE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE CYCLES	NUMBER OF FAILURES
LTM2882[1]	76	1614	1614	76.00	0
LTM2883[2]	76	1614	1614	76.00	0
	152			152.00	0

• UNBIASED HIGHLY ACCELERATED STRESS TEST +130°C/85%R.H. [1]

PACKAGE TYPE	SAMPLE SIZE	OLDEST DATE CODE	NEWEST DATE CODE	K DEVICE HOURS AT +130°C	NUMBER OF FAILURES
LTM2882[1]	77	1614	1614	7.39	0
LTM2883[2]	77	1614	1614	7.39	0
	154			14.78	0

(1) Environmental stress preceded by JEDEC Level 3 Preconditioning: 192h 30°C/60% R.H. plus 3x Refow at 245°C
(2) Environmental stress preceded by JEDEC Level 4 Preconditioning: 96h 30°C/60% R.H. plus 3x Reflow at 245°C

Form: 00-03-6209B. Rev 1