CHANGE NOTIFICATION

Linear Technology Corporation
1630 McCarthy Blvd., Milpitas, CA 95035-7417
(408) 432-1900

August 18, 2014

Dear Sir/Madam: PCN# 081814

Subject: **Notification of Qualification of Additional Source for SMD Component Used in LTM4611**

Please be advised that Linear Technology Corporation has qualified an additional source for the inductor used in LTM4611's internal micropower bias generator circuit. Product specifications, datasheet and other supporting documentation are unaffected by this change, so the customer's applications will be unaffected.

Modules qualifying the new inductor have been fully characterized and tested for package level reliability. The additional source was qualified by performing extensive characterization over the full operating voltage and temperature ranges and MSL3 preconditioning. Devices from the same µModule device product families have been subjected to 1000 cycles of temperature cycles and thermal shock. Products built using the additional source are targeted for shipment around late October 2014.

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 October 18, 2014, we will consider this change approved by your company..

Sincerely,

Jason Hu
Quality Assurance Engineer

PACKAGE RELIABILITY DATA
LTM4611 Second Source Inductor Qualification
7/24/2014

• 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
LTM4611	77	1330	1330	77.00	0
	77			77.00	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
LTM4611	77	1330	1330	77.00	0
	77			77.00	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
LTM4611	77	1330	1330	77.00	0
	77			77.00	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
LTM4611	77	1330	1330	7.39	0
	77			7.39	0

(1) Environmental stress are preceded by JEDEC Level 3 Preconditioning: 192h 30°C/60% R.H. plus 3x IR at 245°C

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