CHANGE NOTIFICATION

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

September 18, 2017 PCN#091817

Dear Sir/Madam:

Subject: Notification of Change to LTC3246 Datasheet

Please be advised that Analog Devices, Inc. Milpitas, California has made a minor change to the LTC3246 product datasheet to facilitate improvement in our manufacturing capability. The changes are shown on the attached pages of the marked up datasheet. There was no change in form, fit, function, quality or reliability of the product. The product shipped after November 18, 2017 will be tested to the new limits.

Should you have any questions or concerns please contact your local Analog Devices sales representatives or you may contact me at 408-432-1900 ext. 2077, or by e-mail at JASON.HU@ANALOG.COM. If I do not hear from you by November 18, 2017, we will consider this change to be approved by your company.

Sincerely,

Jason Hu
Quality Assurance Engineer

For questions on this PCN, please contact Jason Hu or you may send an email to your 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

ELECTRICAL CHARACTERISTICS

The ● denotes the specifications which apply over the specified operating junction temperature range, otherwise specifications are at T_A = 25°C. V_{IN} = 12V, C_{FLY} = 2.2µF, C_{OUT} = 10µF, unless otherwise noted.

SYMBOL	PARAMETER	CONDITIONS		MIN	TYP	MAX	UNITS
V_{IN}	Operating Input Voltage Range	(Note 5)	●	2.7		38	V
V_{UVLO}	V_{IN} Undervoltage Lockout Threshold		●		2.35	2.7	V
I_{VIN}	V_{IN} Quiescent Current Shutdown CP Enabled, Output in Regulation	 SEL1 = SEL2 = 0V SEL1 = V_{IN} and/or SEL2 = V_{IN}, RSTI = 5V			 1.5 20	 3 30	 µA µA
V_{HIGH}	SEL1, SEL2 Input Voltage		●		1.1	1.6	V
V_{LOW}	SEL1, SEL2 Input Voltage		●	0.4	0.8		V
I_{LOW}	SEL1, SEL2 Input Current	V_{PIN} = 0V	●	–1	0	1	µA
I_{HIGH}	SEL1, SEL2 Input Current	V_{PIN} = 38V	●	0.5	1	2	µA
Charge Pump Operation							
V_{OUTS_5}	VOUTS/ADJ Regulation Voltage SEL1 = 0V, SEL2 = V_{IN}	2.7V < V_{IN} < 38V (Notes 5, 6)	●	4.8		5.2	V
V_{OUTS_3}	VOUTS/ADJ Regulation Voltage SEL1 = V_{IN}, SEL2 = V_{IN}	2.7V < V_{IN} < 38V (Notes 5, 6)	●	3.17		3.43	V
V_{ADJ}	VOUTS/ADJ Regulation Voltage SEL1 = V_{IN}, SEL2 = 0V	2.7V < V_{IN} < 38V (Notes 5, 6)	●	1.08	1.11	1.14	V
I_{ADJ}	VOUTS/ADJ Input Current SEL1 = SEL2 = V_{IN}		●	–50	0	+50	nA
I_{OUT_SCKT}	I_{VOUT} Short Circuit Foldback Current	V_{OUT} = 0V			250		mA
R_{OUT}	Charge Pump Output Impedance	2:1 Step-Down Mode 1:1 Step-Down Mode, V_{IN} = ~~5V~~ 5.5V 1:2 Step-Up Mode, V_{IN} = 3V, V_{OUT} ≥ 3.3V (Note 6)	 ●		1 1.2 4	 8	Ω Ω Ω
$V_{OUT\_OV\_RST}$	V_{OUT} Overvoltage Reset	% of Final Regulation Voltage at Which V_{OUT} Rising Makes $\overline{RST}$ Go Low V_{OUT} Falling Makes $\overline{RST}$ Go Hi-Z	 ● ●	 106	 109 108.5	 111.5 	 % %
$V_{OUT\_UV\_RST}$	V_{OUT} Undervoltage Reset	% of Final Regulation Voltage at Which V_{OUT} Rising Makes $\overline{RST}$ Go Hi-Z V_{OUT} Falling Makes $\overline{RST}$ Go Low	 ● ●	 93	 97.5 95	 99 	 % %
V_{OUT_PD}	V_{OUT} Pull-Down in Shut Down	SEL1 = SEL2 = 0V			100		kΩ
V_{OUT_RIPPLE}	V_{OUT} Ripple Voltage	C_{OUT} = 10µF C_{OUT} = 22µF			50 25		mV mV
Reset Timer Control Pin (RT)							
$I_{RT(UP)}$	RT Pull-Up Current	V_{RT} = 0.3V	●	–2	–3.1	–4.2	µA
$I_{RT(DOWN)}$	RT Pull-Down Current	V_{RT} = 1.3V	●	2	3.1	4.2	µA
$I_{RT(INT)}$	Internal RT Detect Current	V_{RT} = V_{BIAS}	●		0.4	1	µA
$V_{RT(INT)}$	RT Internal Timer Threshold	V_{RT} Rising	●	2.0	2.4	2.65	V
Reset Timer Input (RSTI)							
V_{RSTI_H}	RSTI Input High Voltage		●		1.22	1.27	V
V_{RSTI_L}	RSTI Input Low Voltage	1.04	●	~~1.05~~	1.2		V
I_{RSTI_H}	RSTI Input High Current	RSTI = 5V	●	–1	0	1	µA
I_{RSTI_L}	RSTI Input Low Current	RSTI = 0V	●	–1	0	1	µA
Reset Timing							
$t_{RST(INT)}$	Internal Reset Timeout Period	V_{RT} = V_{BIAS}		150	200	270	ms
$t_{RST(EXT)}$	Adjustable Reset Timeout Period	C_{RT} = 2.2nF	●	14	21	28	ms
t_{RSTIL}	RSTI Low to $\overline{RST}$ Asserted		●	5	20	40	µs