

## CHANGE NOTIFICATION



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

November 15, 2013

Dear Sir/Madam:

PCN# 111513

**Subject: Notification of Change to LTC2862/LTC2863/LTC2864/LTC2865 Datasheet**

Please be advised that Linear Technology Corporation has updated the electrical specification limit of Supply Current in Shutdown Mode for LTC2862/LTC2863/LTC2864/LTC2865 devices with H and MP grades. Temperature grades C & I are not affected by the change. No other functional or parametric specifications are affected. A redlined datasheet characteristics table is attached. The product shipped after January 17<sup>th</sup>, 2014 will be tested to the new limit.

Should you have any further questions, please feel free to contact me at 408-432-1900 ext. 2077, or by email at [JASON.HU@LINEAR.COM](mailto:JASON.HU@LINEAR.COM). If I do not hear from you by January 16<sup>th</sup>, 2014, we will consider this change to be approved by your company.

Sincerely,

Jason Hu  
Quality Assurance Engineer

# LTC2862/LTC2863/ LTC2864/LTC2865

## ORDER INFORMATION

LEAD FREE FINISH	TAPE AND REEL	PART MARKING*	PACKAGE DESCRIPTION	TEMPERATURE RANGE
LTC2864CS-1#PBF	LTC2864CS-1#TRPBF	LTC2864S-1	14-Lead (150mil) Plastic SO	0°C to 70°C
LTC2864IS-1#PBF	LTC2864IS-1#TRPBF	LTC2864S-1	14-Lead (150mil) Plastic SO	-40°C to 85°C
LTC2864HS-1#PBF	LTC2864HS-1#TRPBF	LTC2864S-1	14-Lead (150mil) Plastic SO	-40°C to 125°C
LTC2864CS-2#PBF	LTC2864CS-2#TRPBF	LTC2864S-2	14-Lead (150mil) Plastic SO	0°C to 70°C
LTC2864IS-2#PBF	LTC2864IS-2#TRPBF	LTC2864S-2	14-Lead (150mil) Plastic SO	-40°C to 85°C
LTC2864HS-2#PBF	LTC2864HS-2#TRPBF	LTC2864S-2	14-Lead (150mil) Plastic SO	-40°C to 125°C
LTC2864CDD-1#PBF	LTC2864CDD-1#TRPBF	LFXQ	10-Lead (3mm x 3mm) Plastic DFN	0°C to 70°C
LTC2864IDD-1#PBF	LTC2864IDD-1#TRPBF	LFXQ	10-Lead (3mm x 3mm) Plastic DFN	-40°C to 85°C
LTC2864HDD-1#PBF	LTC2864HDD-1#TRPBF	LFXQ	10-Lead (3mm x 3mm) Plastic DFN	-40°C to 125°C
LTC2864CDD-2#PBF	LTC2864CDD-2#TRPBF	LFXR	10-Lead (3mm x 3mm) Plastic DFN	0°C to 70°C
LTC2864IDD-2#PBF	LTC2864IDD-2#TRPBF	LFXR	10-Lead (3mm x 3mm) Plastic DFN	-40°C to 85°C
LTC2864HDD-2#PBF	LTC2864HDD-2#TRPBF	LFXR	10-Lead (3mm x 3mm) Plastic DFN	-40°C to 125°C
LTC2865CMSE#PBF	LTC2865CMSE#TRPBF	2865	12-Lead Plastic MSOP	0°C to 70°C
LTC2865IMSE#PBF	LTC2865IMSE#TRPBF	2865	12-Lead Plastic MSOP	-40°C to 85°C
LTC2865HMSE#PBF	LTC2865HMSE#TRPBF	2865	12-Lead Plastic MSOP	-40°C to 125°C
LTC2865CDE#PBF	LTC2865CDE#TRPBF	LTXM	12-Lead (4mm x 3mm) Plastic DFN	0°C to 70°C
LTC2865IDE#PBF	LTC2865IDE#TRPBF	LTXM	12-Lead (4mm x 3mm) Plastic DFN	-40°C to 85°C
LTC2865HDE#PBF	LTC2865HDE#TRPBF	LTXM	12-Lead (4mm x 3mm) Plastic DFN	-40°C to 125°C
LTC2862MPS8-1#PBF	LTC2862MPS8-1#TRPBF	28621	8-Lead (150mm) Plastic SO	-55°C to 125°C
LTC2862MPS8-2#PBF	LTC2862MPS8-2#TRPBF	28622	8-Lead (150mm) Plastic SO	-55°C to 125°C
LTC2863MPS8-1#PBF	LTC2863MPS8-1#TRPBF	28631	8-Lead (150mm) Plastic SO	-55°C to 125°C
LTC2863MPS8-2#PBF	LTC2863MPS8-2#TRPBF	28632	8-Lead (150mm) Plastic SO	-55°C to 125°C
LTC2864MPS-1#PBF	LTC2864MPS-1#TRPBF	LTC2864S-1	14-Lead (150mm) Plastic SO	-55°C to 125°C
LTC2864MPS-2#PBF	LTC2864MPS-2#TRPBF	LTC2864S-2	14-Lead (150mm) Plastic SO	-55°C to 125°C

Consult LTC Marketing for parts specified with wider operating temperature ranges. \*The temperature grade is identified by a label on the shipping container. Consult LTC Marketing for information on non-standard lead based finish parts.

For more information on lead free part marking, go to: <http://www.linear.com/leadfree/>

For more information on tape and reel specifications, go to: <http://www.linear.com/tapeandreeel/>

## ELECTRICAL CHARACTERISTICS

The ● denotes the specifications which apply over the full operating temperature range, otherwise specifications are at  $T_A = 25^\circ\text{C}$ .  $V_{CC} = V_L = 3.3\text{V}$  unless otherwise noted. (Note 2)

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
<b>Supplies</b>						
$V_{CC}$	Primary Power Supply	●	3		5.5	V
$V_L$	Logic Interface Power Supply	LTC2865 Only	●	1.65	$V_{CC}$	V
$I_{CCS}$	Supply Current in Shutdown Mode (C-, I-Grade) (N/A LTC2863)	DE = 0V, RE = $V_{CC} = V_L$	●	0	5	$\mu\text{A}$
	Supply Current in Shutdown Mode (H-Grade) (N/A LTC2863)	DE = 0V, RE = $V_{CC} = V_L$	●	0	<del>15</del> 40	$\mu\text{A}$
$I_{CCTR}$	Supply Current with Both Driver and Receiver Enabled (LTC2862-1, LTC2863-1, LTC2864-1, LTC2865 with SLO High)	No Load, DE = $V_{CC} = V_L$ , RE = 0V	●	900	1300	$\mu\text{A}$

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For more information [www.linear.com/2862](http://www.linear.com/2862)

