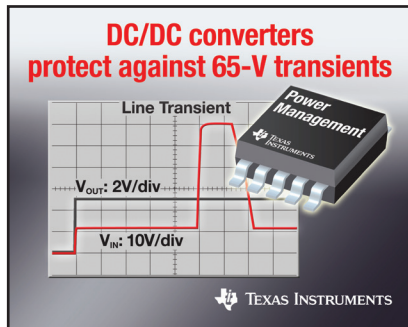











# 60-V, Low Quiescent Current Step-Down DC/DC Converters

## Performance Features

- Low quiescent current
- Frequency synchronization
- $-40^{\circ}\text{C}$  to  $150^{\circ}\text{C}$  operating  $T_j$
- Small, high-density packaging
- Low drop-out operation



**Motor Control, Sensors, PLC, E-Metering, Factory Automation, Communication, Adapter Chargers, Audio Amplifiers and Automotive Accessories**

Device	$I_{OUT}$ (A)	$V_{IN}$ (V)	$V_{OUT}$ (V)	$f_{SW}$ (kHz)	$I_Q$ ( $\mu$ A)	Feature	Package (mm)	Automotive Qualified Q1	
<b>Synchronous Buck</b>									
<b>TPS54062</b>	0.05	4.7 to 60	0.8 to 57	100 to 400	89	A	8MSOP(3x4.9), 8SON(3x3)		
<b>TPS54061</b>	0.2	4.7 to 60	0.8 to 57	50 to 1100	90	A	8SON(3x3)	✓	
<b>Non-Synchronous Buck</b>									
<b>TPS54060/A</b>	0.5	3.5 to 60	0.8 to 57	100 to 2500	116	B	10MSOP(3x4.9), 10SON(3x3)	✓	
<b>TPS54160/A</b>	1.5	3.5 to 60	0.8 to 57	100 to 2500	116	B	10MSOP(3x4.9), 10SON(3x3)	✓	
<b>TPS54260</b>	2.5	3.5 to 60	0.8 to 57	100 to 2500	138	B	10MSOP(3x4.9), 10SON(3x3)	✓	
<b>TPS54360</b>	3.5	4.5 to 60	0.8 to 59	100 to 2500	146	C	8HSOIC(5x6)	✓	
<b>TPS54560</b>	5.0	4.5 to 60	0.8 to 59	100 to 2500	146	C	8HSOIC(5x6)	✓	
<b>TPS54361</b>	3.5	4.5 to 60	0.8 to 59	100 to 2500	152	D	10SON (4x4)		
<b>TPS54561</b>	5.0	4.5 to 60	0.8 to 59	100 to 2500	152	D	10SON (4x4)		

(A) EN, Sync. Pin, Adj. UVLO, Eco-mode™.

(B) EN, Sync. Pin, Adj. Soft Start, Track Pin, PWRGD, Adj. UVLO, Eco-mode.

(C) EN, Sync. Pin, Boot Pin Charge FET (99% duty cycle for low drop-out), Adj. UVLO, Eco-mode.

(D) EN, Sync. Pin, Adj. Soft Start, Track Pin, PWRGD, Adj. UVLO, Boot Pin Charge FET (99% duty cycle for low drop-out), Eco-mode

42-V input and automotive qualified versions available for many devices.

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