

NRND & Differences

TPS54340/360/540/560 and TPS54340B/360B/540B/560B

Texas Instruments
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NRND / Product Improvement

The TPS54340/360/540/560B from Texas Instruments is a pin to pin drop in upgrade to the existing TPS54340/360/540/560 buck converter family. The TPS54340/360/540/560B is available in an 8-terminal thermally enhanced HSOIC PowerPAD™ package like the current generation TPS54340/360/540/560. As TI continues to innovate and improve its manufacturability and processes, the TPS54340/360/540/560B offers higher reliability and performance. Hence, we recommend TPS54340/360/540/560B for new designs for our customers in the industrial, automotive and communications markets and update the status of TPS54340/360/540/560 to NRND (Not Recommended for New Designs). The status of TPS54340/360/540/560 will not be changed to EOL (End Of Life).

Differences - TPS54540 and TPS54540B

- Addition of Poly-Imide (PI) coat on IC's top layer
- Increased reliability: Improved output OVP circuit and very high load transients (5A to 0A) at >800kHz switching frequency
- Increased current limit: 7.5A to 7.9A (typical), 8.8A to 9.5A (maximum)

Differences - TPS54560 and TPS54560B

- Addition of Poly-Imide (PI) coat on IC's top layer
- Increased reliability: Improved output OVP circuit and very high load transients (5A to 0A) at >800kHz switching frequency
- Increased current limit: 7.5A to 7.9A (typical), 8.8A to 9.5A (maximum)

Differences - TPS54340 and TPS54340B

- Addition of Poly-Imide (PI) coat on IC's top layer
- Increased reliability: Improved output OVP circuit and very high load transients (5A to 0A) at >800kHz switching frequency

Differences - TPS54360 and TPS54360B

- Addition of Poly-Imide (PI) coat on IC's top layer
- Increased reliability: Improved output OVP circuit and very high load transients (5A to 0A) at >800kHz switching frequency

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