TPS54KB20 SIMPLIS Transient Model Features and Limitations

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* Model Usage Notes:
*
* A. Features have been modelled
*       1.      Output Voltage Setting
*       2.      Programmable Soft-Start
*       3.      Frequency and Operation Mode Selection with RMSEL
*       4.      Low-side FET Zero-Crossing
*       5.      Current Sense and Positive Overcurrent Protection(OCP)
*       6.      Low-side FET Negative Current Limit
*       7.      Power Good
*       8.      Over Voltage Protection (OVP)
*       9.  Under Voltage Protection (UVP)
*       10. Output Voltage Discharge
*       11. EN/VIN UVLO Protection
*       12. BOOT functionality
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* B. Features have not been modelled
*       1. Operating Quiescent Current
*   2. Shutdown Current
*   3. Temperature dependent characteristics
*   4. Ground Pins have been tied to 0V internally and hence model does not support Inverting
*     topologies.
*       5. Hiccup or Latch-off
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* C. Application Notes
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*       1. The parameter HAS_POP_ANALYSIS has been used to reach the steady state faster.
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