

\* Model Usage Notes:

\* A. Features have been modelled

- \* 1. Output Voltage Setting
- \* 2. Force PWM mode
- \* 3. Input undervoltage lockout
- \* 4. Enable function
- \* 5. Positive Overcurrent Protection(OCP)
- \* 6. Low-side FET Negative Current Limit
- \* 7. On time extension

\* 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. Under voltage protection
- \* 6. Over voltage protection

\* C. Application Notes

\* <Describe all the parameters with its possible values that would be accessible to customer. Also add specific notes, if any>

- \* 1. The parameter STEADY\_STATE has been used to reach the steady state faster.

\* Keep STEADY\_STATE = 0 to observe startup behaviour.

\* Keep STEADY\_STATE = 1 and appropriate IC on Inductor and capacitor to observe for faster Steady state.

- \* 2. To run the POP/AC analysis, you must run complete Startup Transient simulation and then run the AC analysis.

\* Also you must choose "Use snapshot from previous transient analysis" in POP Advanced options.

\*

\*\*\*\*\*