



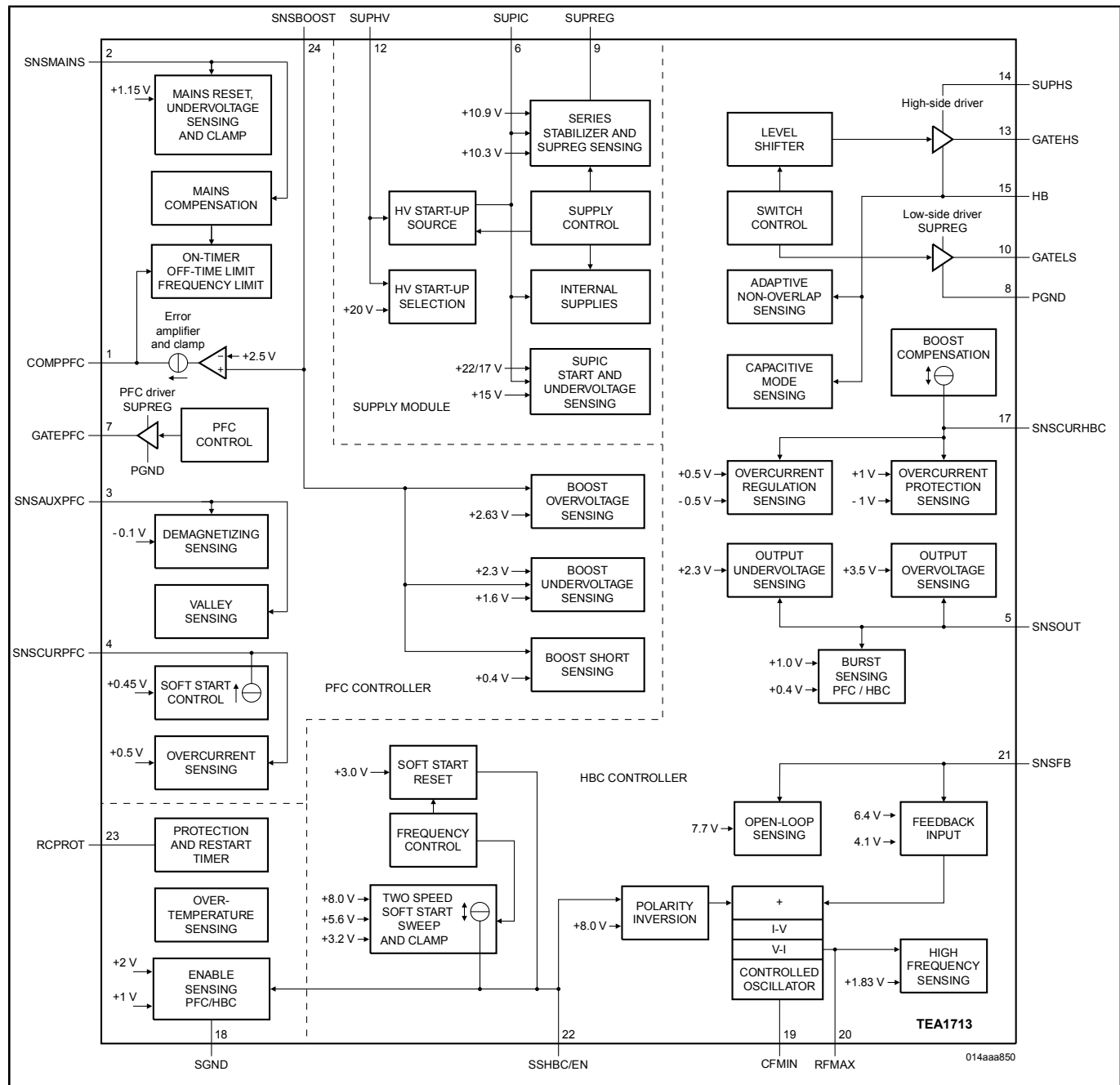
HV Start-Up Resonant LLC+PFC Combo Controller

TEA1713T

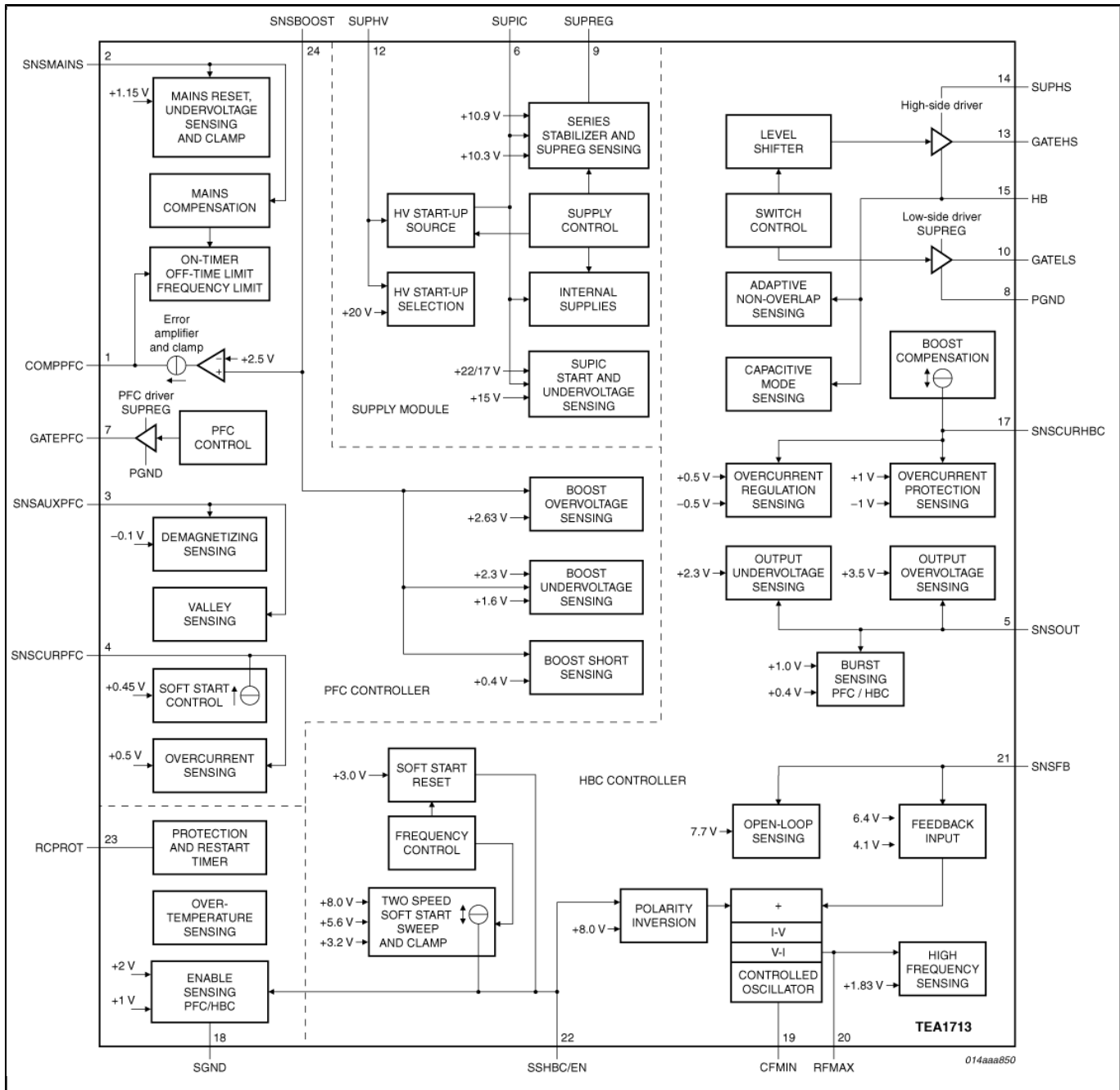
Last Updated: Dec 24, 2025

The TEA1713 integrates a power factor corrector (PFC) controller and a controller for a half-bridge resonant converter (HBC) in a multi-chip IC. It provides the drive function for the discrete MOSFET in an up-converter and for the two discrete power MOSFETs in a resonant half-bridge configuration. Highly efficient and reliable power supplies providing over 100 W can be designed easily using the TEA1713, with a minimum of external components.

TEA1713T Block Diagram Block Diagram



TEA1713; Block diagram. Block Diagram



View additional information for [HV Start-Up Resonant LLC+PFC Combo Controller](#).

Note: The information on this document is subject to change without notice.

www.nxp.com

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2026 NXP B.V.