

AC/DC Controller supporting PFC

BM1050F



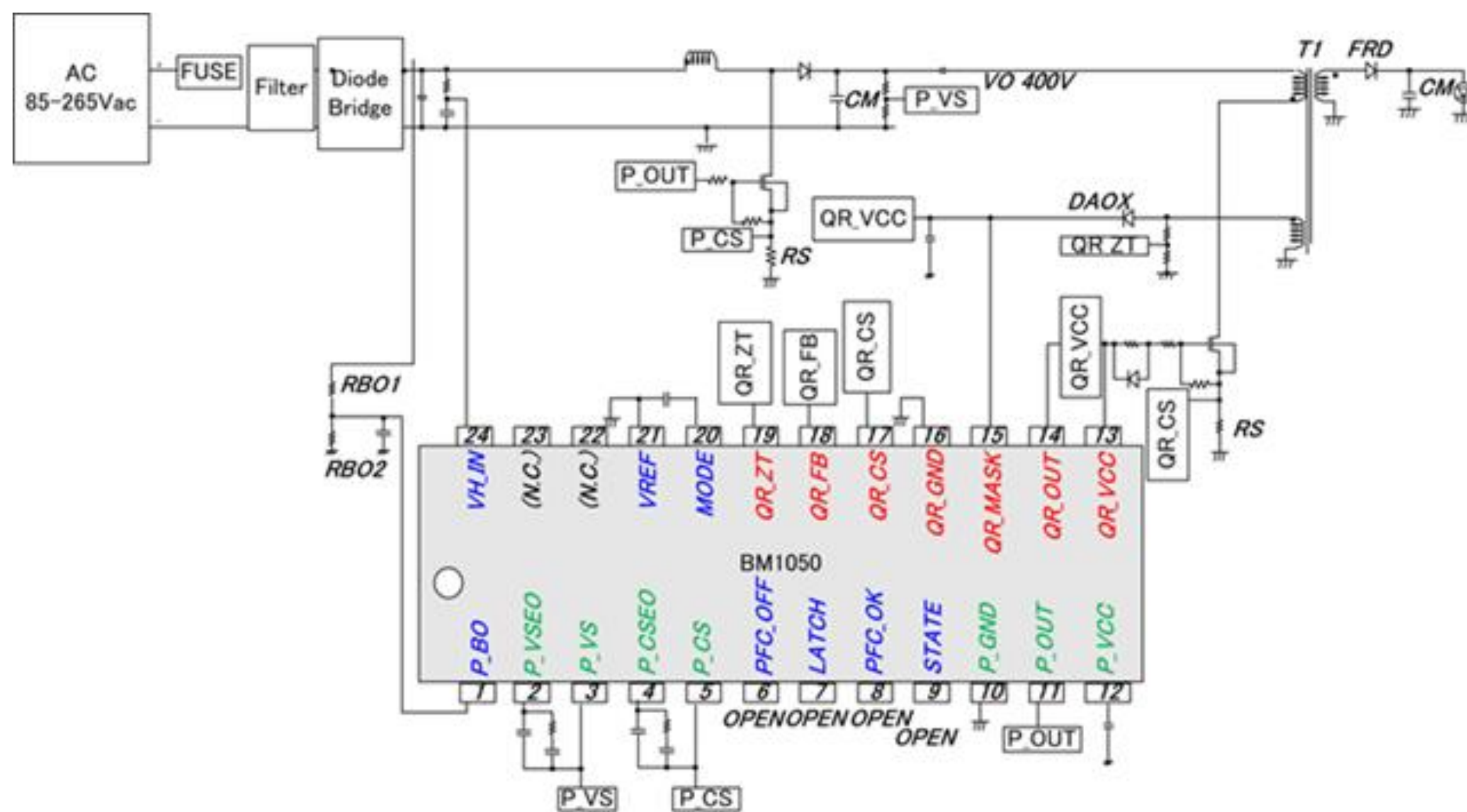
AC/DC controller IC to be used in high power applications that require active PFC stage.
Main target application is retrofit LED lighting (T8 tubes and ballast) and street lighting

Features

- Integrated 650V start-up circuit
- Quasi-resonant circuit (max 120kHz) DC/DC controller; fixed 65kHz PFC circuit
- PFC controller incorporates freq. hopping
- Burst mode at light loads to improve efficiency
- Boost and Fly-back topology system
- Peak current regulation with leading-edge blanking
- Overload and overvoltage protections
- Under Voltage Lock Out (UVLO)
- Protections are LATCH or AUTO-Recovery (externally selectable)
- External STOP function based on NTC
- Brownout function
- Thermal Shutdown protection (TSD)



Specifications



- The BM1050F is a dual stage converter with a boost stage and a flyback stage.
- The application can be dimmed by PWM using the FB pin.
- Protection functions are realized based on the auxiliary winding providing the supply of the IC.