

Antenna Switching

Antenna switching is implemented using a pair of high power PIN diodes, tapped to the PA output and providing isolation for the RX path, but not interrupting the TX.

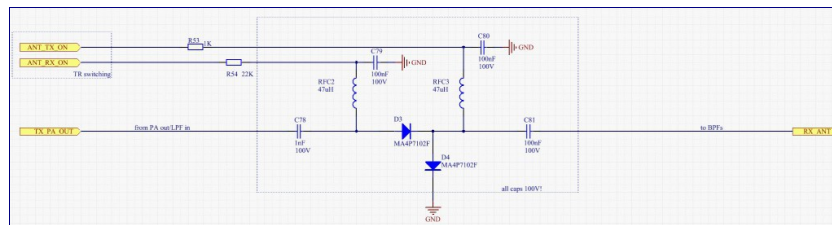


Fig1: Antenna switch schematics(click for a larger view)

The switch uses mixed series and parallel configuration, the control signals are equal to PTT/PTTN signals.

The Power/SWR bridge provides suitable level analogue voltage for two ADCs in the MCU. Again classic balanced design is used.

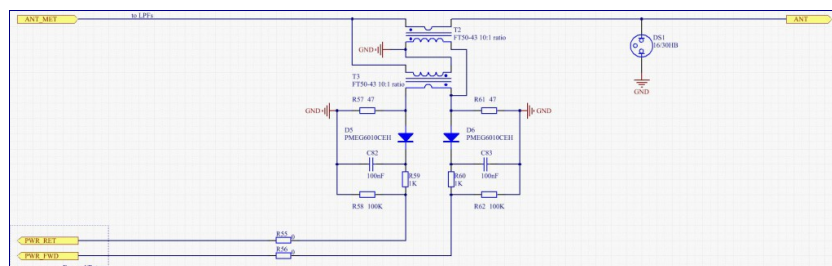


Fig2: PWR/SWR meter schematics(click for a larger view)