

ESHD: Assignment 8

1. Perform an error check of the schematic by clicking in menu on Inspect → Electrical Rules Checker. Fix the errors which you can. If it is not an error or it is not possible to fix, write a justification for every case. 3p.
2. Describe the process of designing a PCBA for **turnkey product** with detailed outcomes at each step. 3p.
3. Create a schematic in LTSpice to simulate User Pushbutton B2 (from page 10 of the STM board schematic) opening process. Run simulation for 30ms and read the voltage on the BUTTON_EXTI13 (or SB3) at 10, 20 and 30ms. 4p.

Include screenshots for every task and for LTSpice simulation files (schematic and plots).