The shell design

My shell design is effected by my professor, he give us a presentation of the final game, which kind of like a game controller. I was amazed at the light control, so I also design a game controller. Also, there have many parts like roteryEncoder, push button , so I have to 3D model the empty parts to let these came out of the shell and able others to use and play. Also, the pcb board is not allowed to use glue or tape to fix, so I design four parts on the buttom to fix the pcb board to make it not move .Also because I have 9 neopixels and desgin to put liek a square, I 3D model the space to put these pixels on the top. I use screws to connect the top of the game controller and the bottom and the structure that hands can hold .In the end, I laser cut the shell of the neopixels to make it more delicate and also using screw to connect with the game controller. I spray the blue color and decorate it . make it more beautiful when I pixels light up.

SELECT MODE
EAS
ROTATE   PRESS