




MAY 24, 2019

CEM SOLIDWORKS DESIGNS

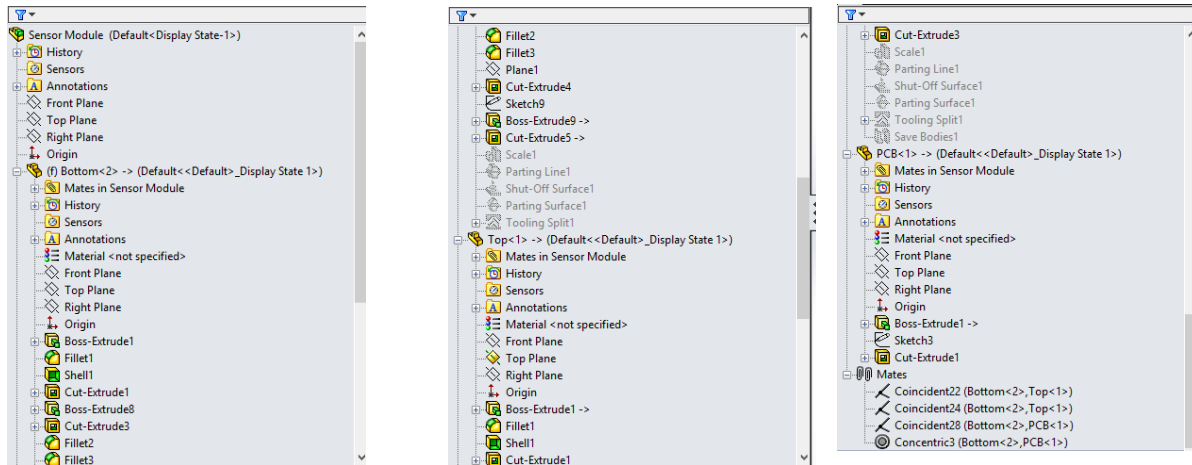
GROUP 1

160005C	Abeywardena K.G.
160050H	Bahavan T.T.N.
160145E	Ekanayake R.P.
160190K	Gunawardena M.B.M.
160276F	Kariyawasam U.G.S.D.
160285G	Karunasena G.K.S.R.
160480B	Perera W.A.H.D.
160616B	Sumanthiran S. K.
160637N	Tribuwan T.W.H.
160648A	Uyanwatte A.M.B

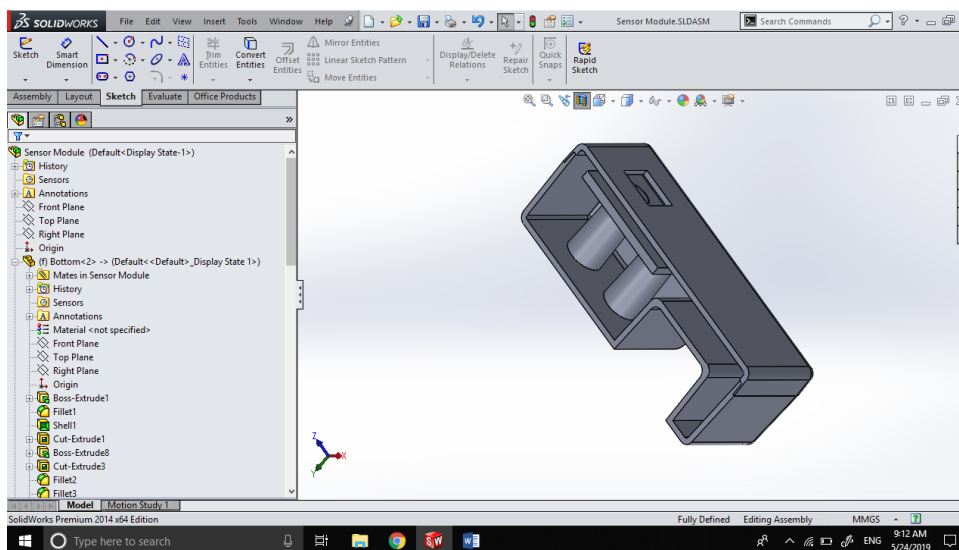
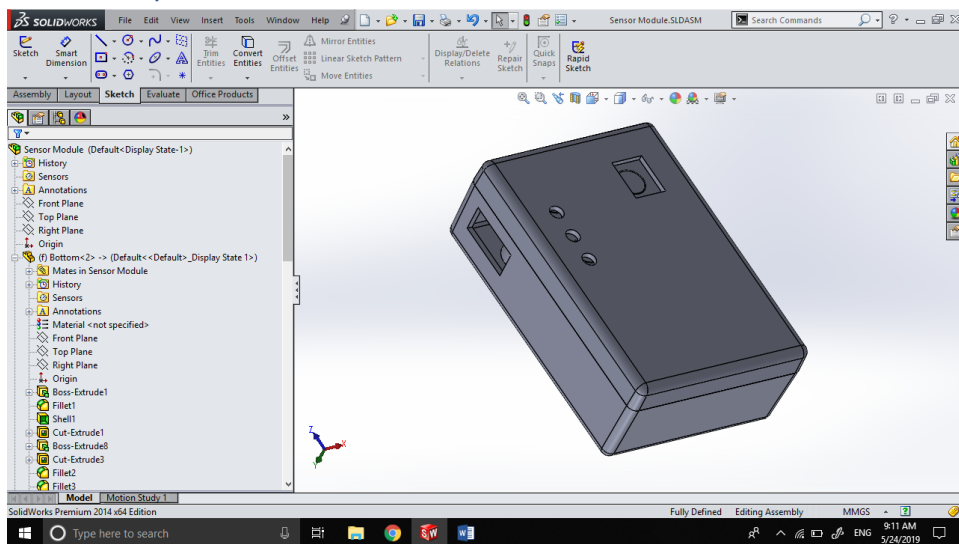


1. Sensor Module

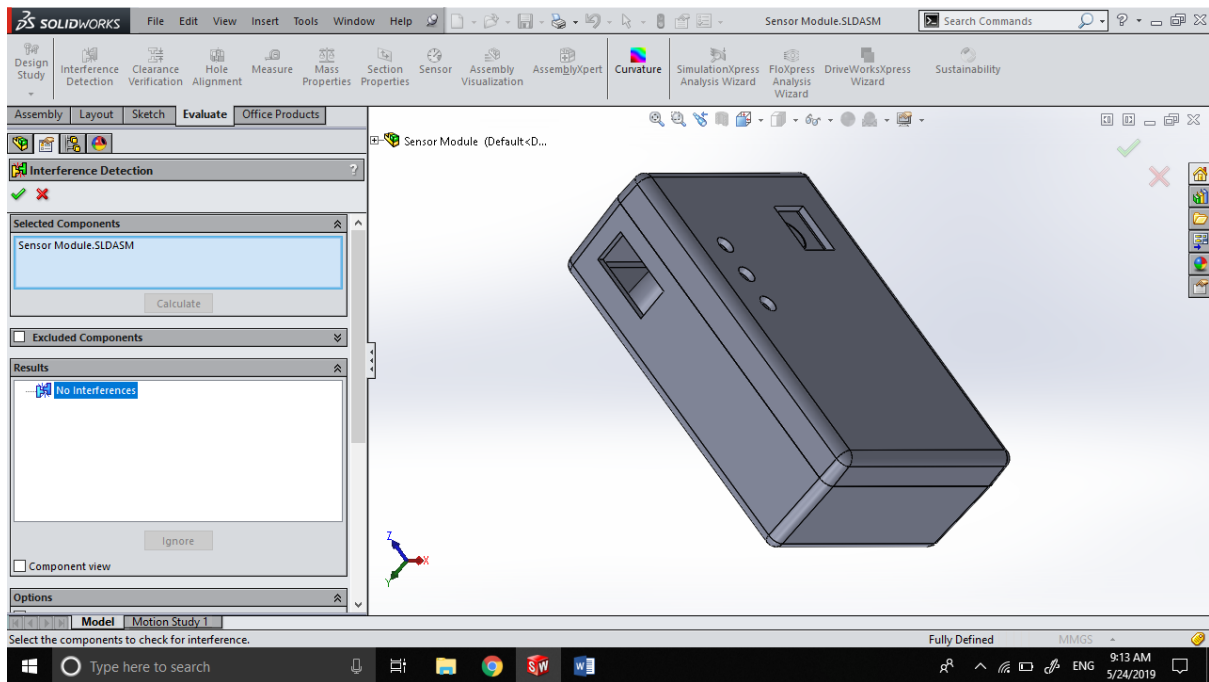
Design Tree



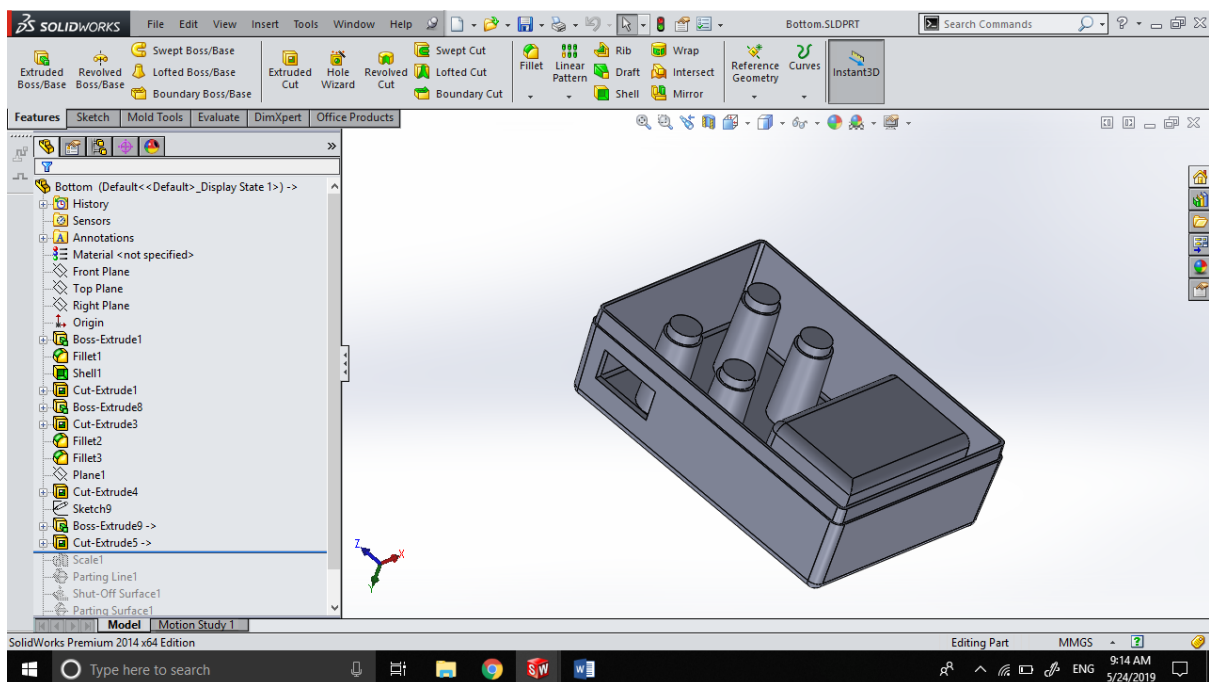
Assembly



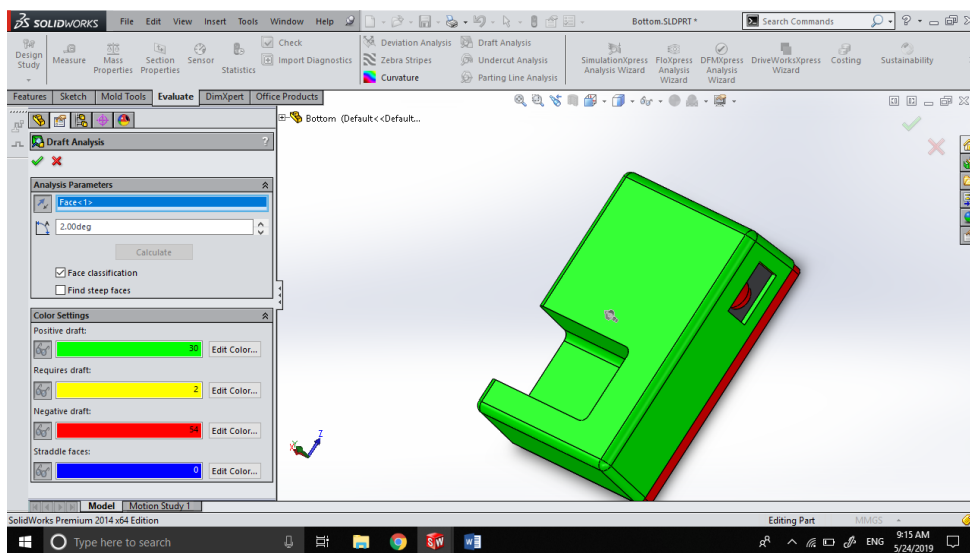
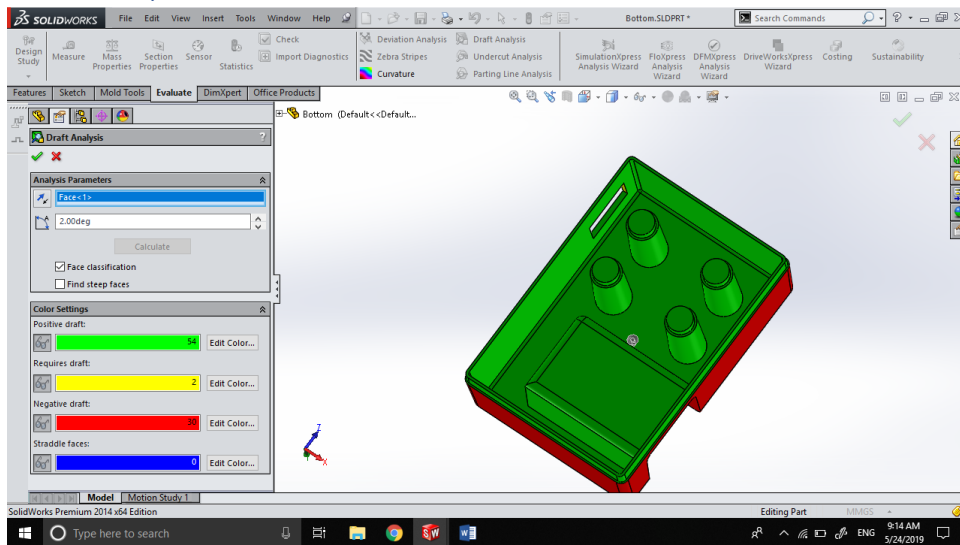
Interference detection



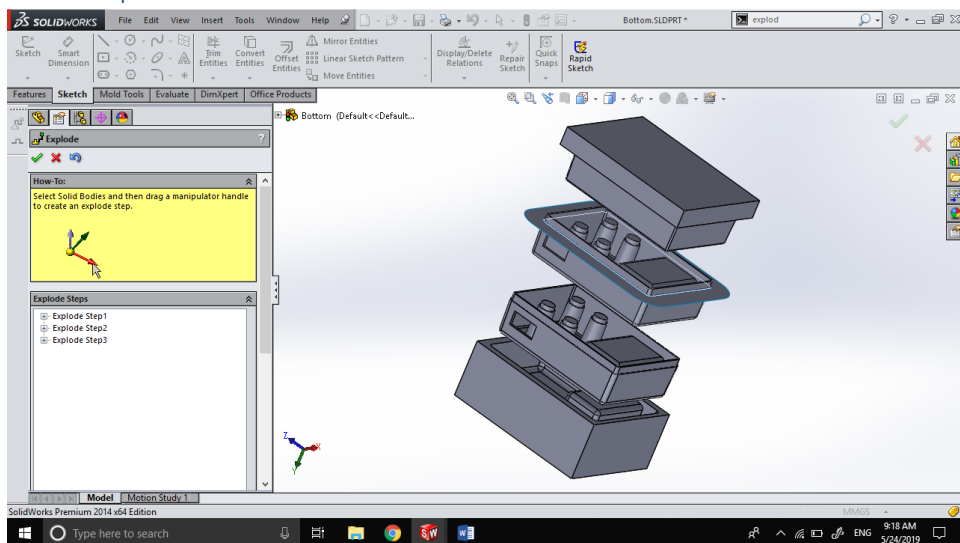
Bottom Part



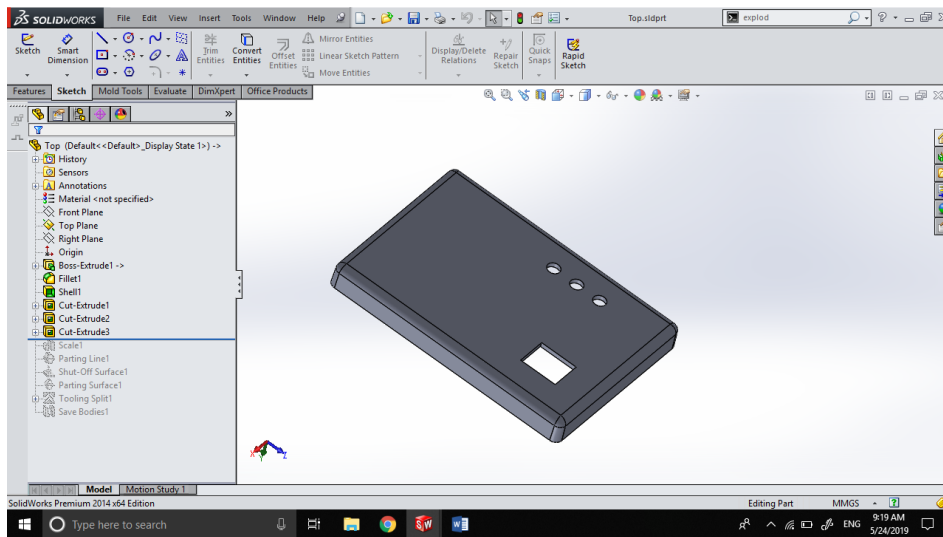
Draft Analysis



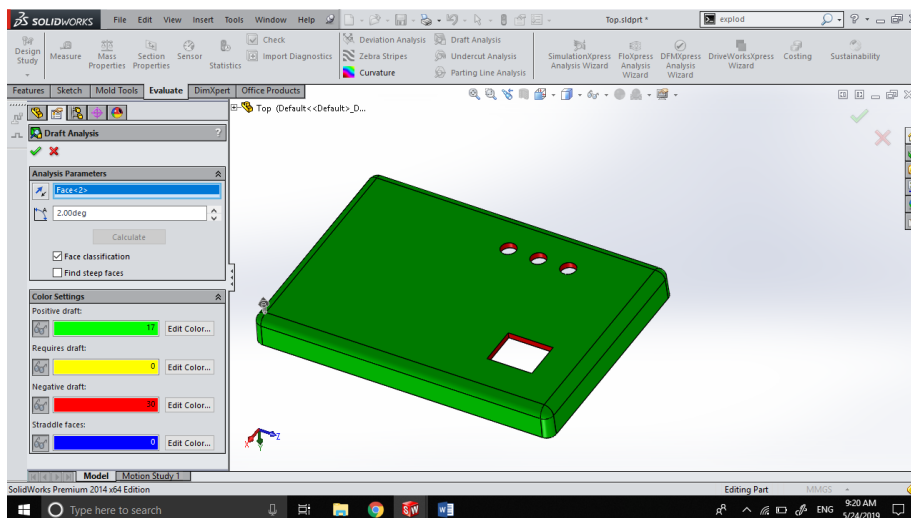
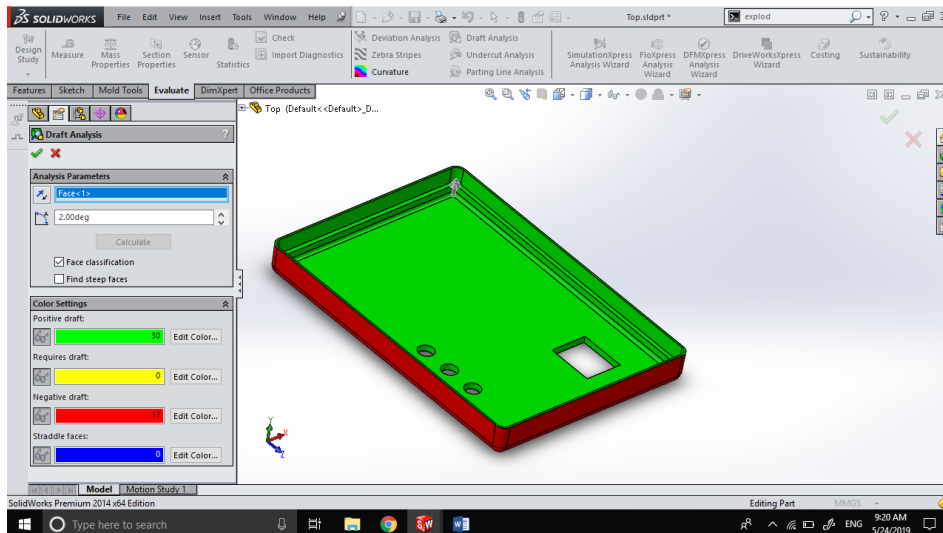
Mold Exploded View



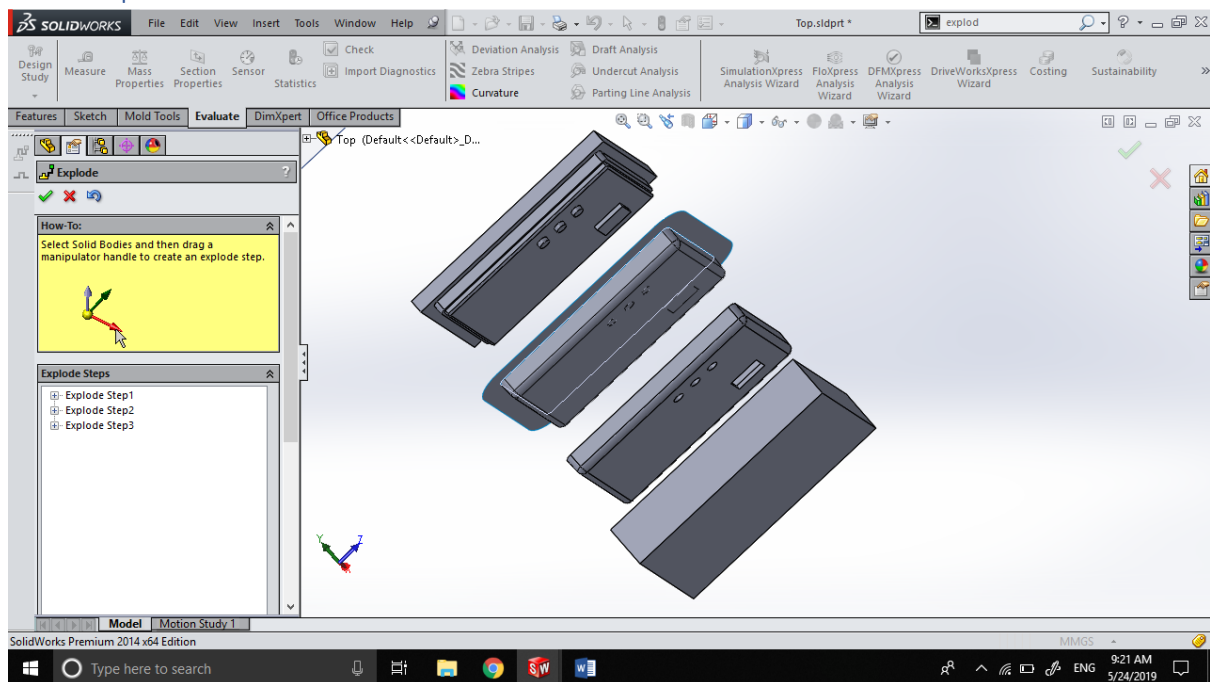
Top Part



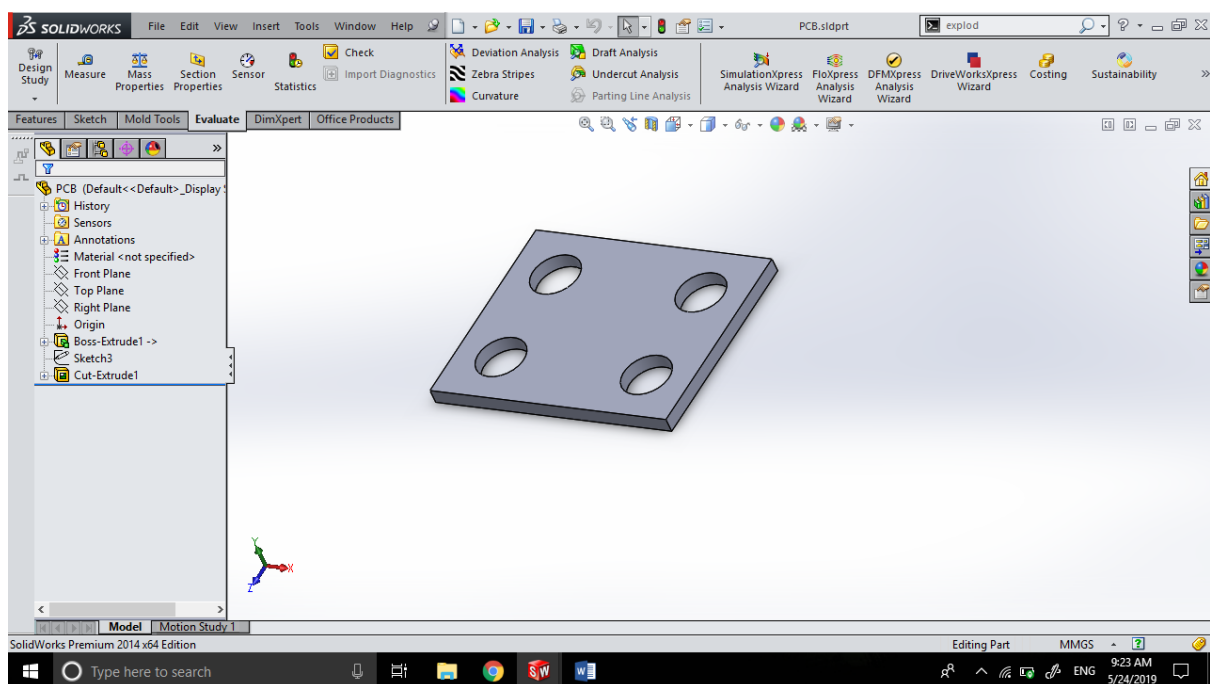
Draft Analysis



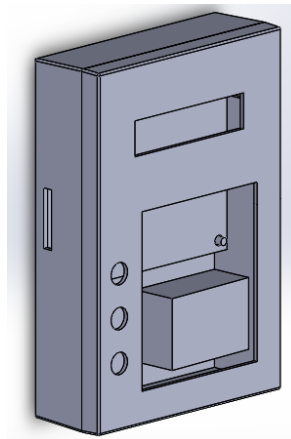
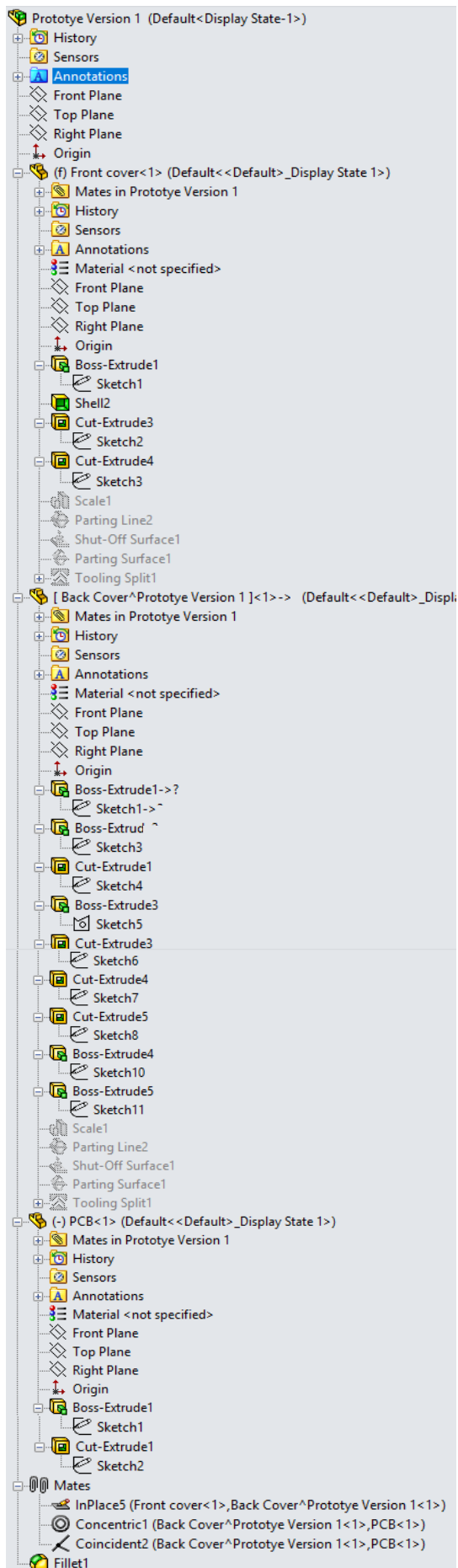
Mold Exploded View



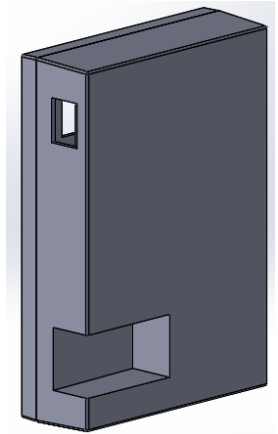
PCB



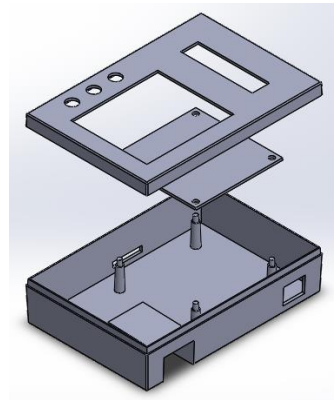
Display Unit Enclosure Design



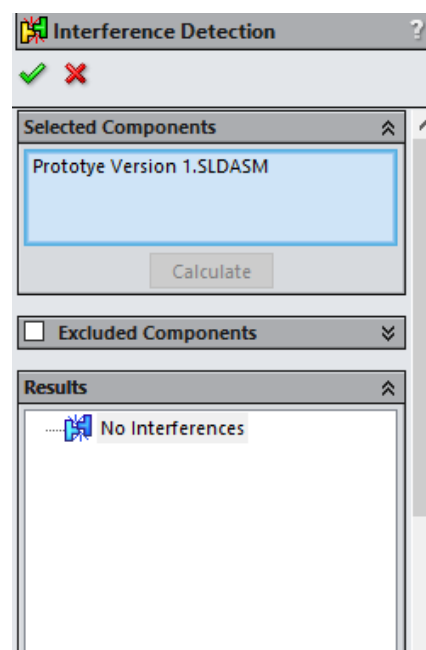
Top View



Bottom View

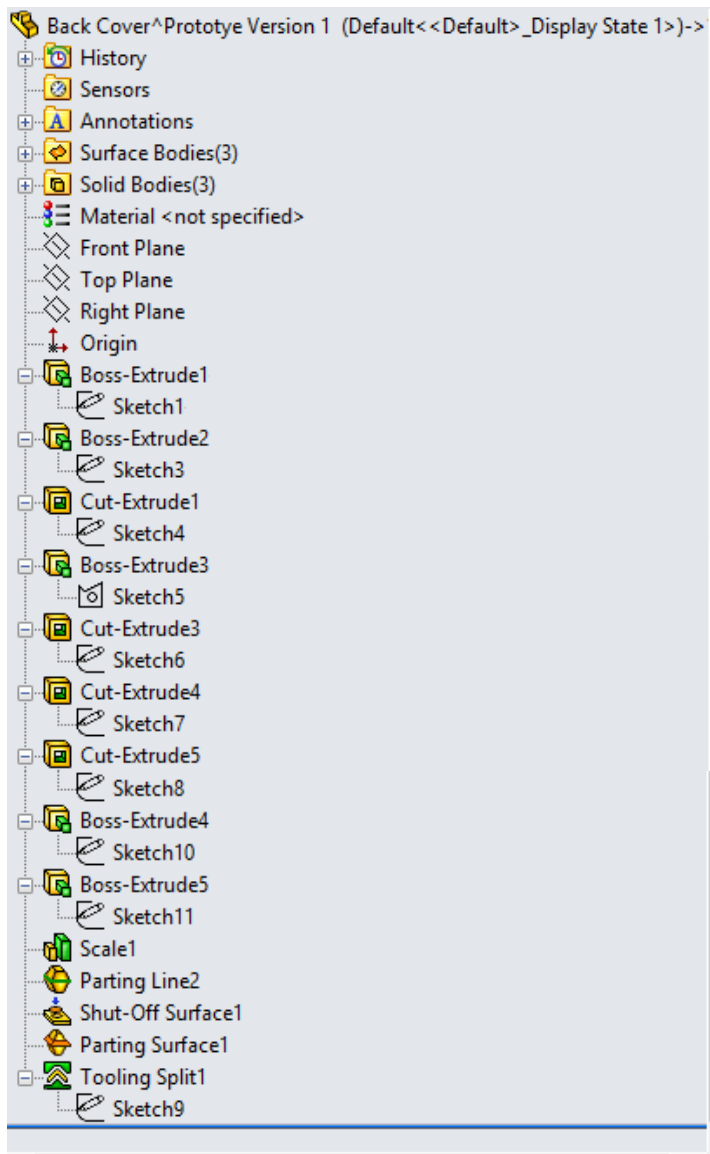


Exploded View

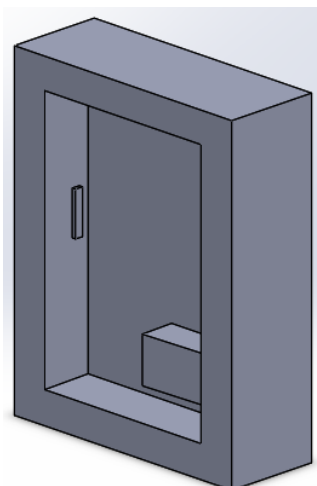
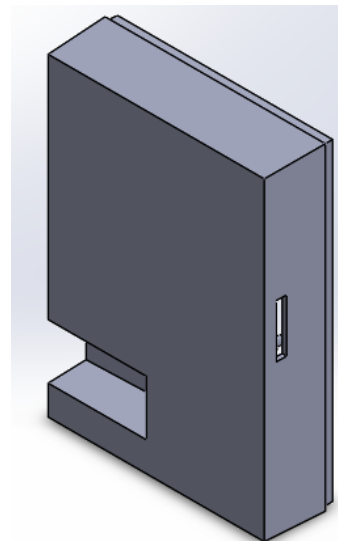
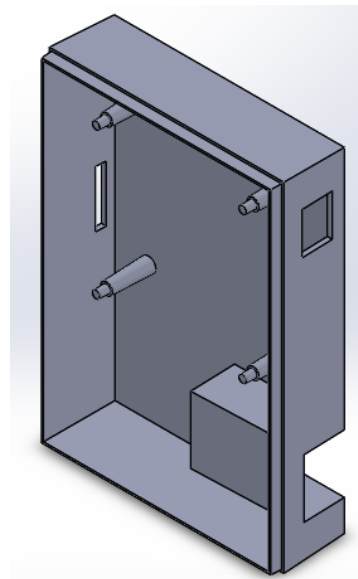


No interferences
being detected

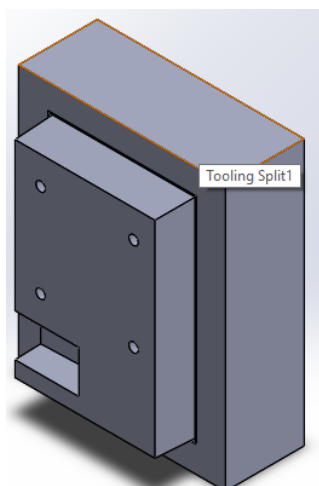
Back Cover



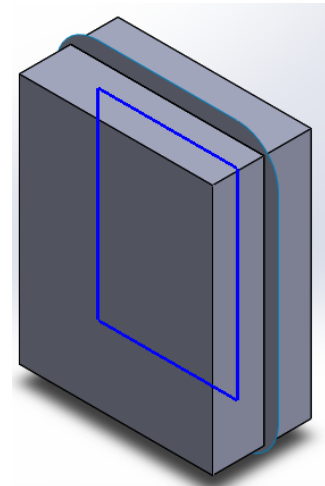
Expanded Feature Tree



Mold
Cavity

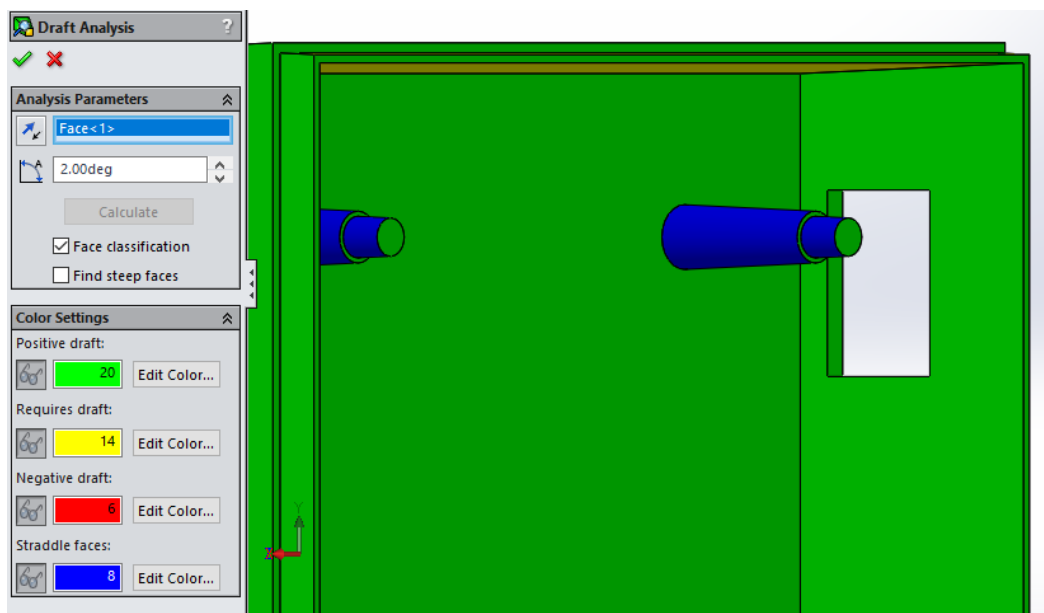
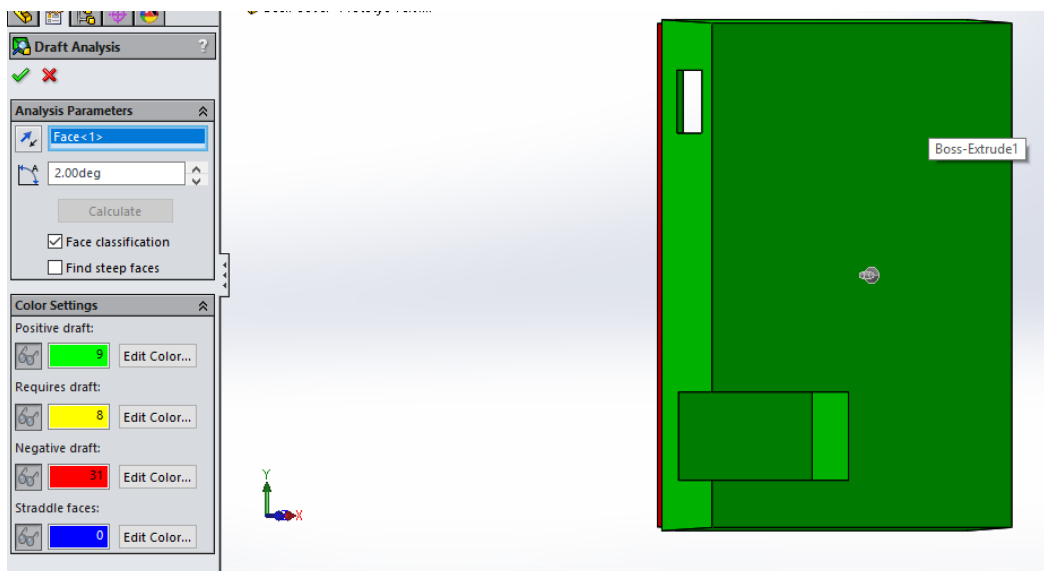
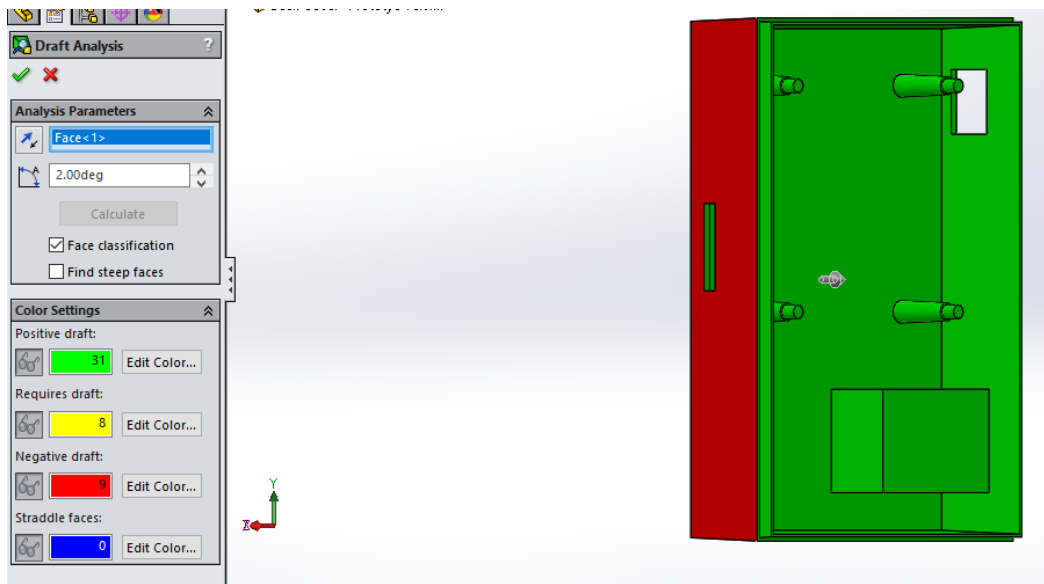


Mol
d



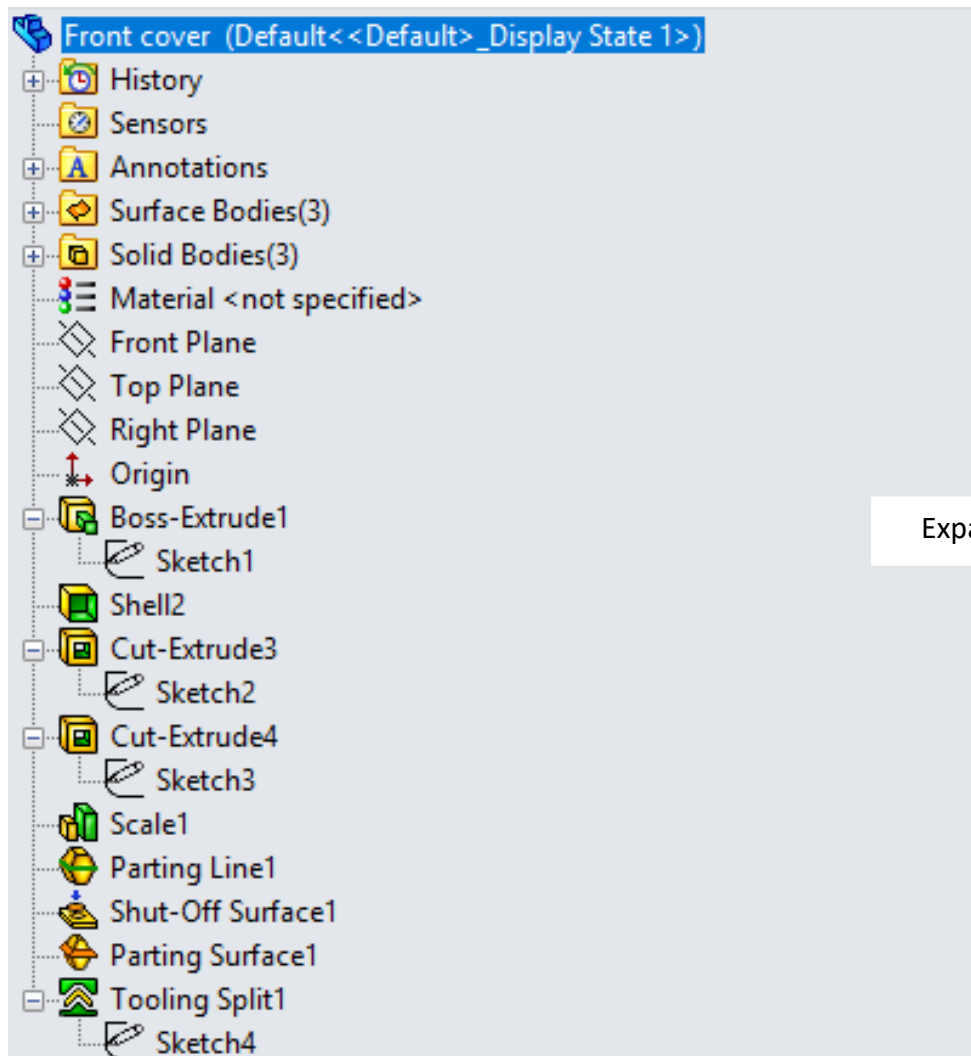
Cover
with
mold

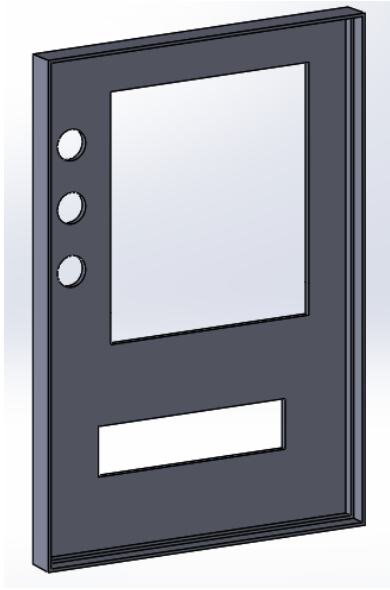
Draft Analysis



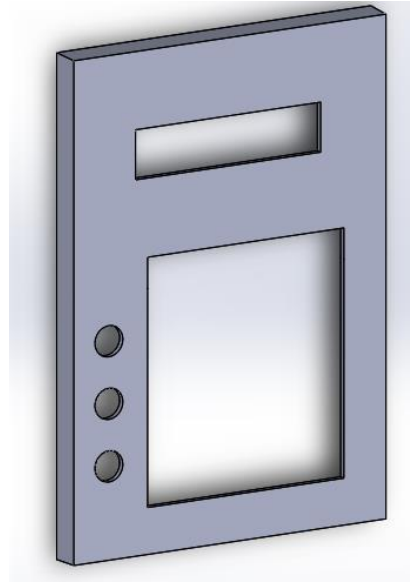


Front Cover

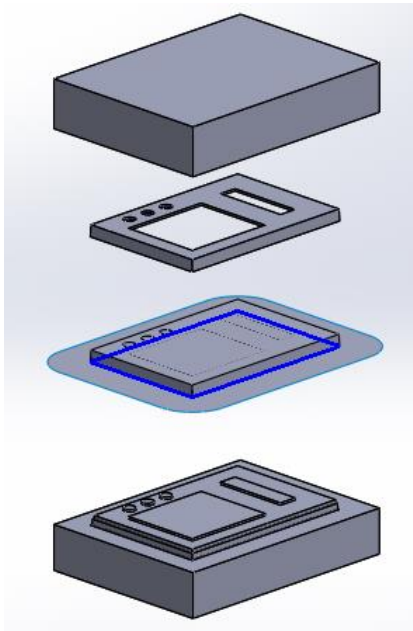




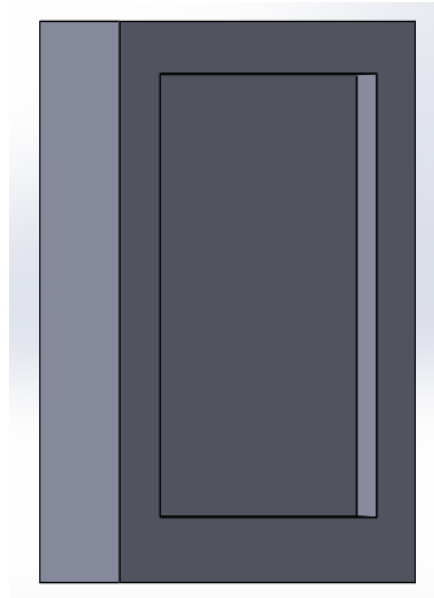
Bottom



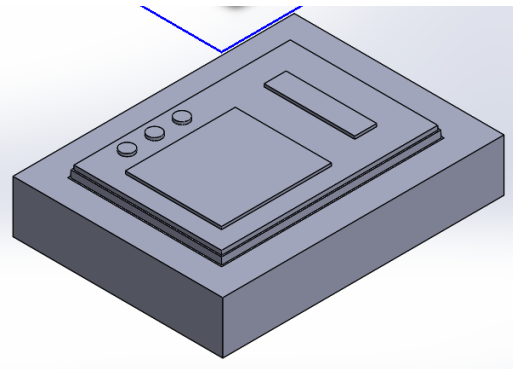
Top view



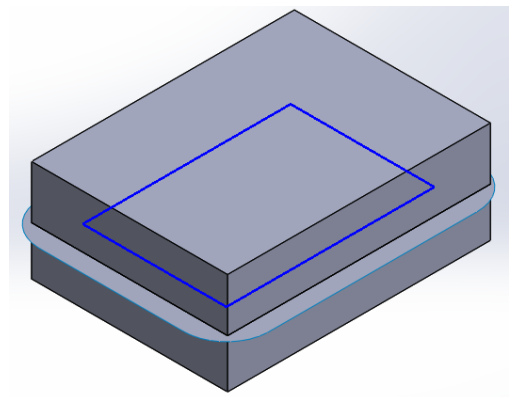
Exploded
Mold view



Mold Cavity

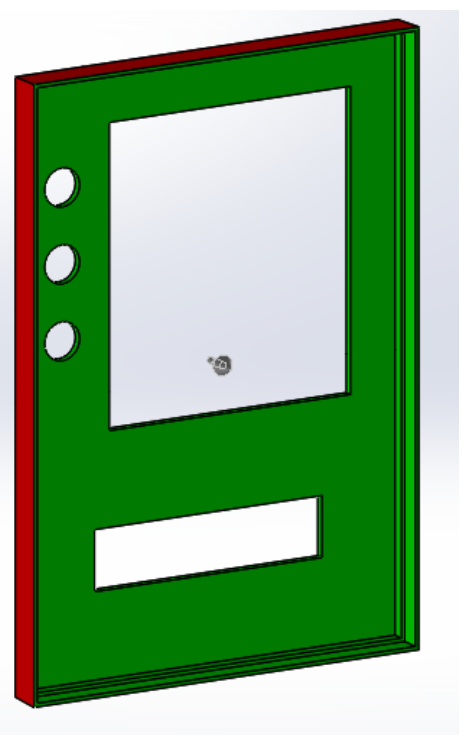
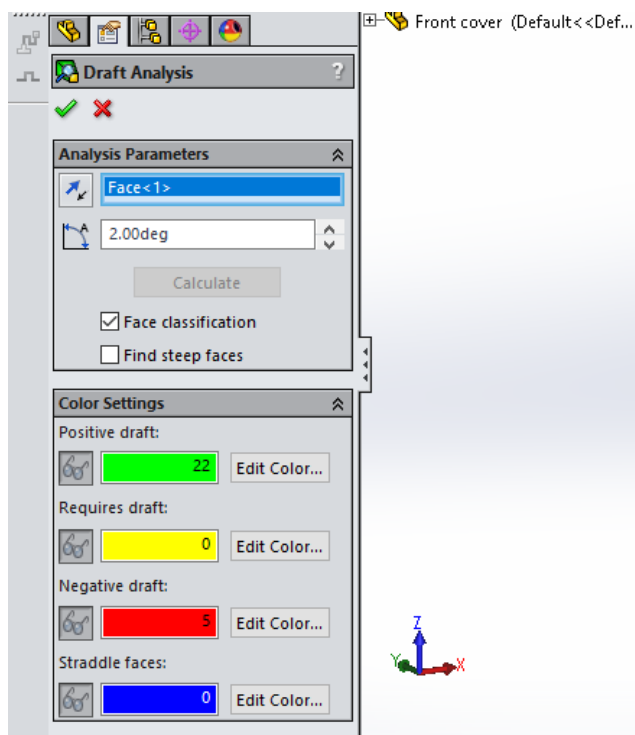
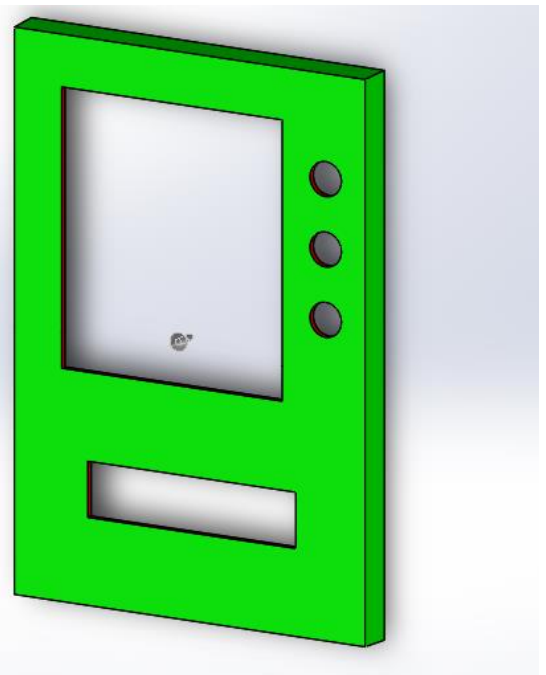
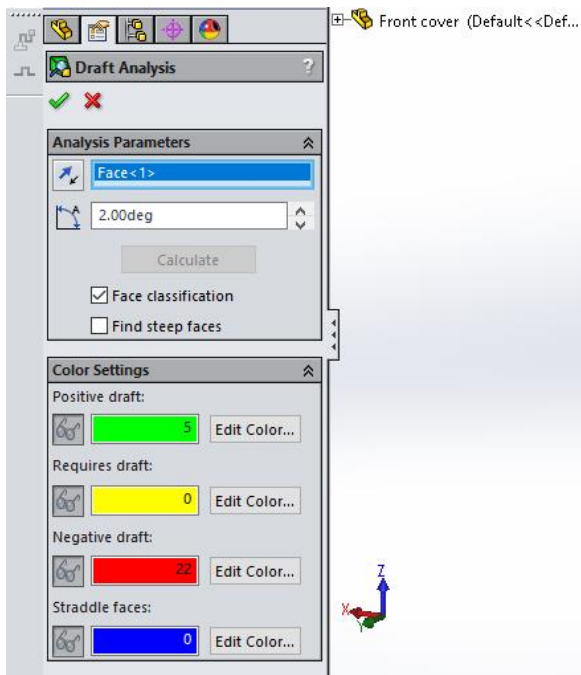


Mold Core



Front cover with
mold

Draft Analysis



PCB Design

