

Step 1. The USB connector stands out panel by **0.6mm**, as picture 1 shows.

Therefore, we need to shrink USB connector inward by 0.6mm.

Step 2. After step 1, the sectional drawing of USB position as picture 2 shows.

We have to resolve the constructive interference issue between USB shrapnel and housing.

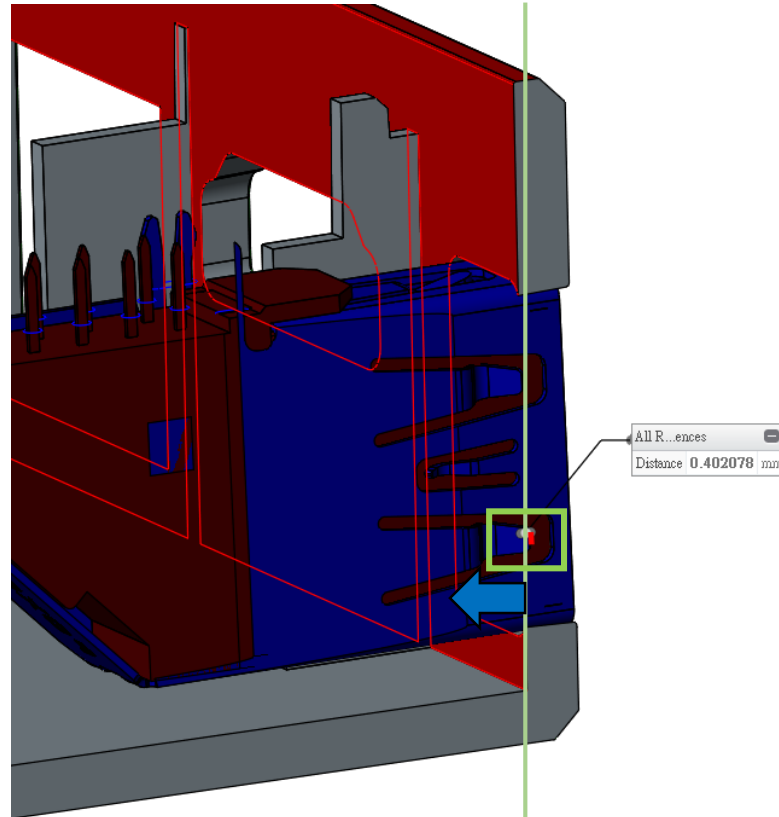
Step 3. We measured the maximum interference is **0.4mm** (there are two shrapnel - top and bottom).

The maximum interference will on the bottom one because the housing angle is 91.5 degree).

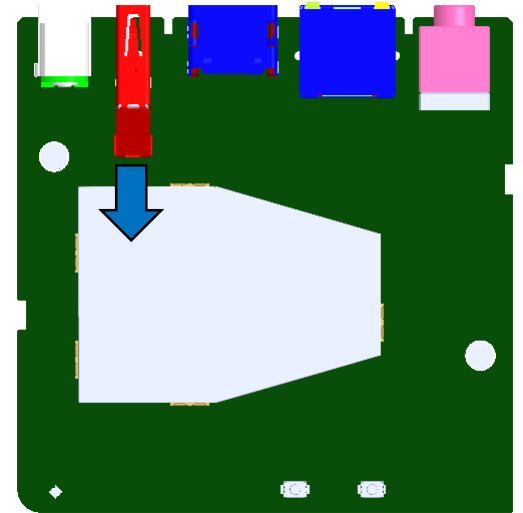
In total, we need to shrink USB connector inward by **1mm** ($0.6\text{mm} + 0.4\text{mm} = 1\text{mm}$) , as picture 3 shows.



(1)



(2)



(3)