

PP-FP0150: TAZ Electronics Cover

Oliver Darling

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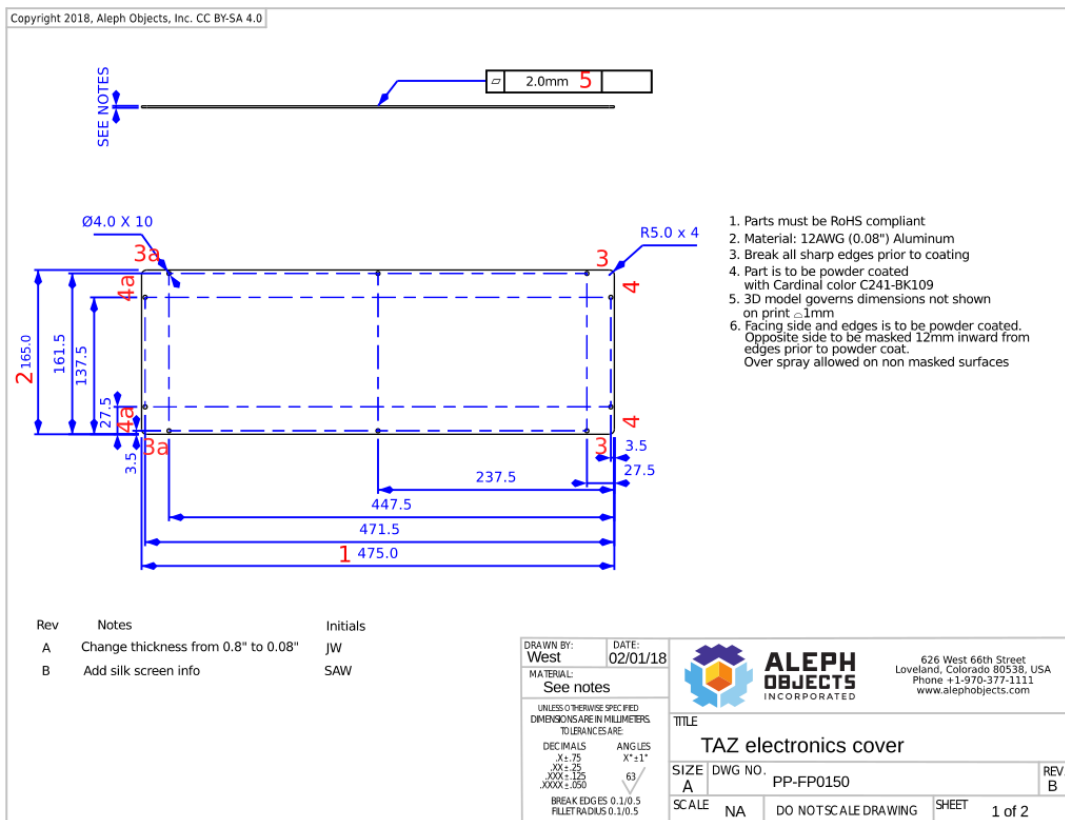


Figure 1: Schematic of PP-FP0150.

1 Dimension 1 & 2



Figure 2: Dimension 01

Using the set of large calipers, we can measure the length of the part to $475.0 \pm 0.75\text{mm}$ as seen in Figure [2]. This will result in an upper control limit of 475.75mm and a lower control limit of 474.25mm .

We follow the same procedure for the width or dimension 02 and measure it to $165.0 \pm 0.75\text{mm}$. This will result in an upper control limit of 165.75mm and a lower control limit of 164.25mm .

2 Dimension 3 & 4

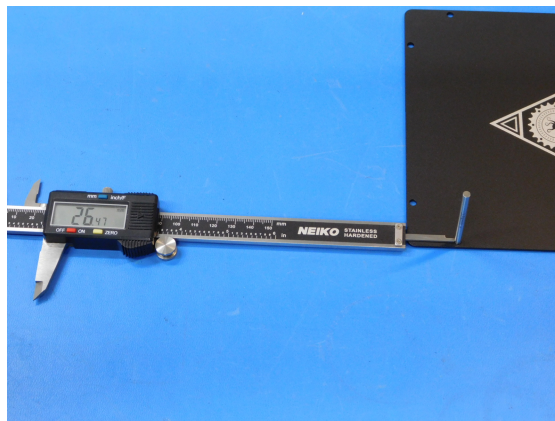


Figure 3: Dimension 03

For dimensions 3 and 4, we will use the bottom end of the calipers and a 3.84mm pin gage to measure the alignment of the holes. Each dimension will be compared to

$25.5 \pm 0.74mm$ minus the radius of the hole ($2mm$), which will result in an upper control limit of $28.25mm$ and a lower control limit of $2.75mm$.

3 Dimension 5



Figure 4: Dimension 05

Using the micrometer we can measure the thickness of the plate to $2.0mm \pm 0.75mm$, this will result in an upper control limit $2.75mm$ and a lower control limit of $1.25mm$.