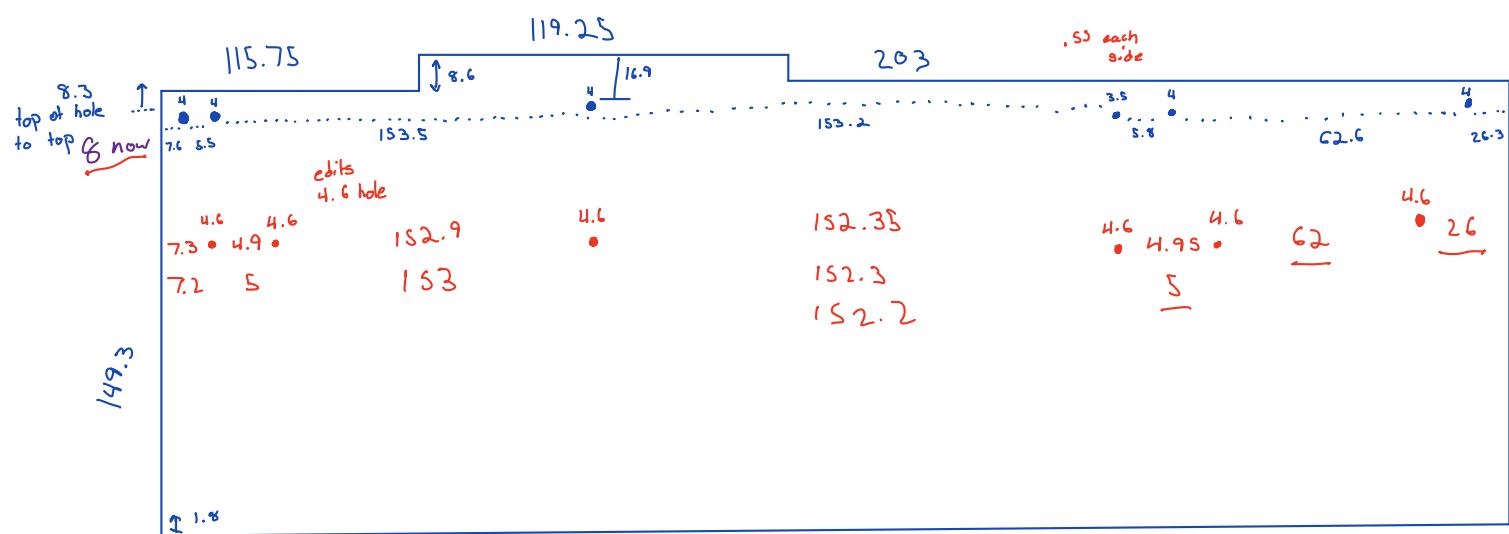


two types of holes : type 1 4x4 mm  
type 2 / don't res

Back side

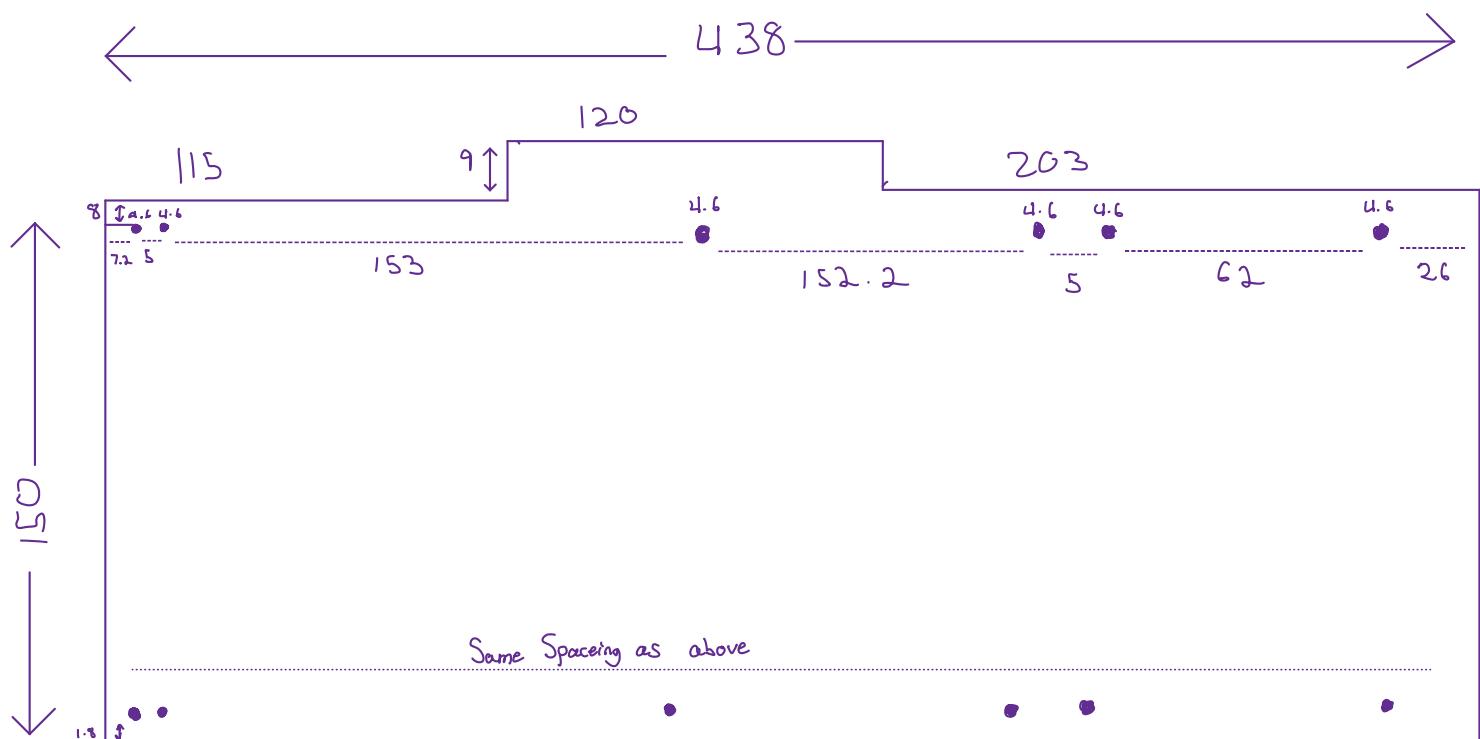
$\leftarrow 438 \rightarrow$

Front side

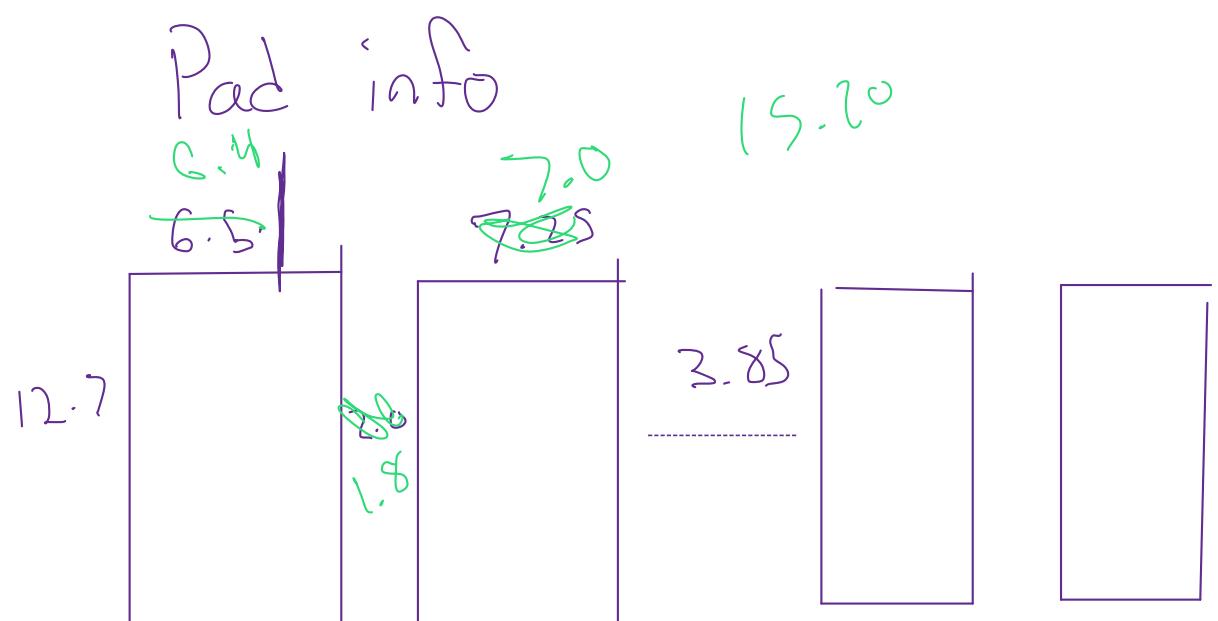


Note, holes on original board seem to be inconsistent, will make holes slightly bigger and improve consistency

# Improved design

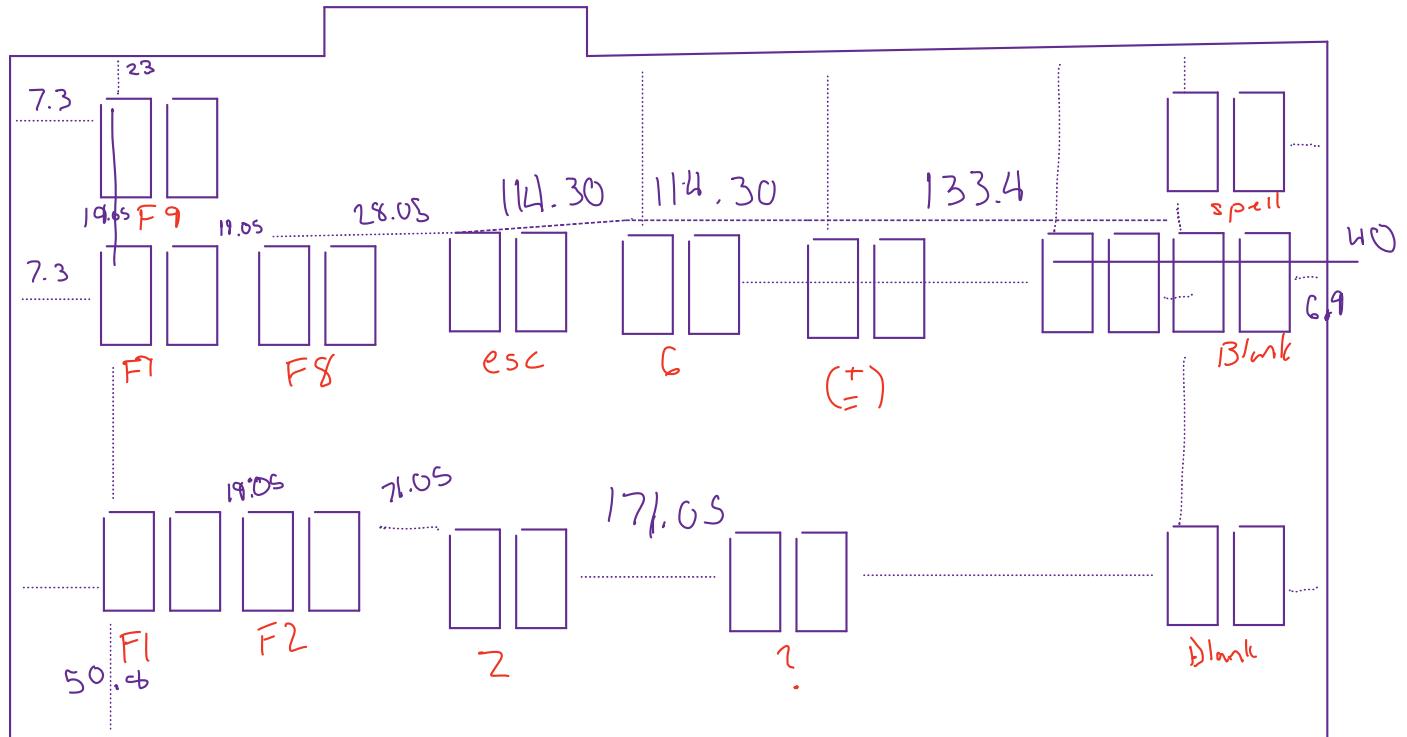
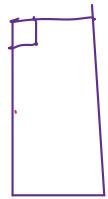


note: evened out lengths, made each hole 4.6mm



1U Spacing  
is  $19.05 \times 19.05$

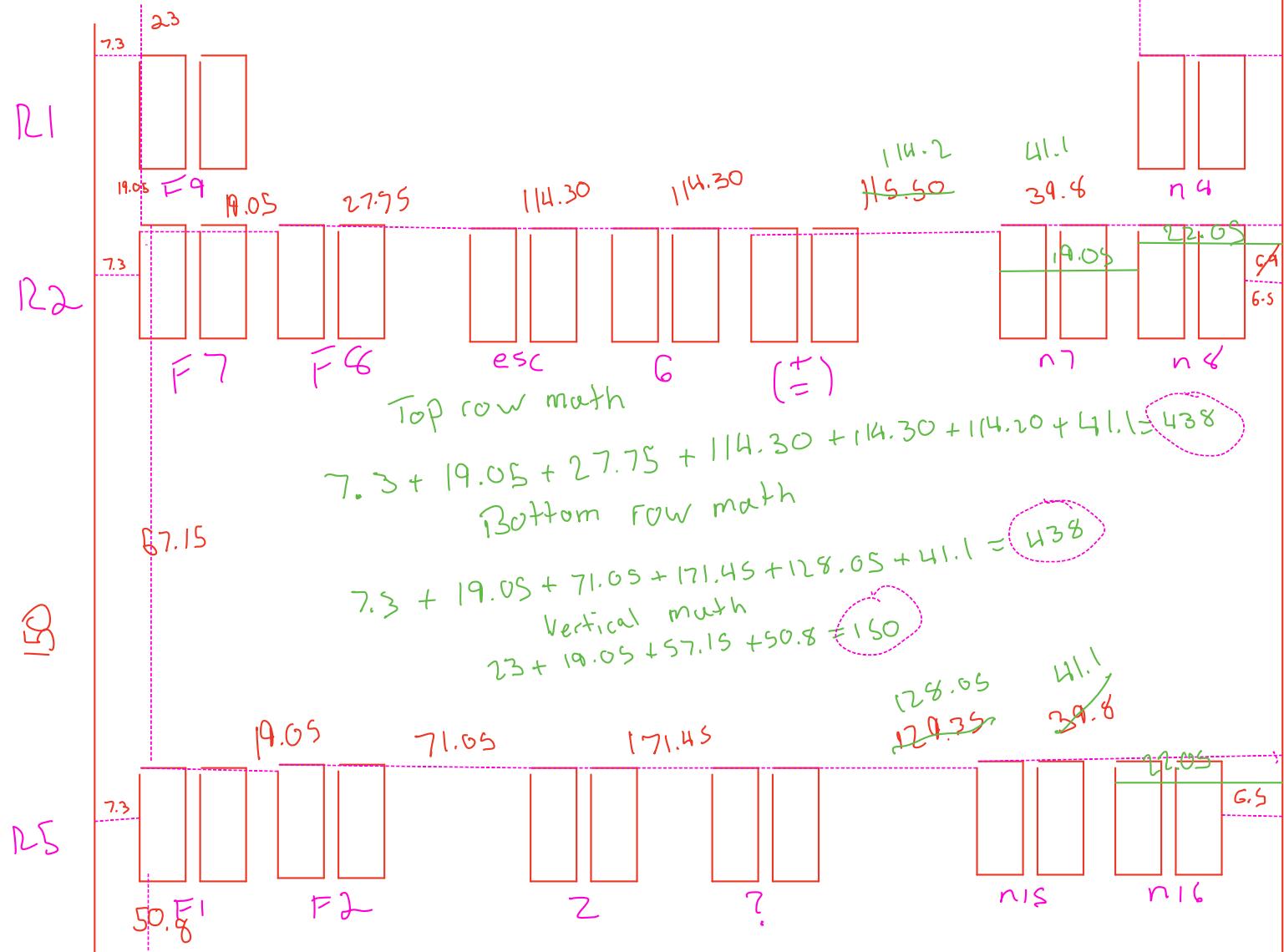
All measurements taken from left most top part



Second row

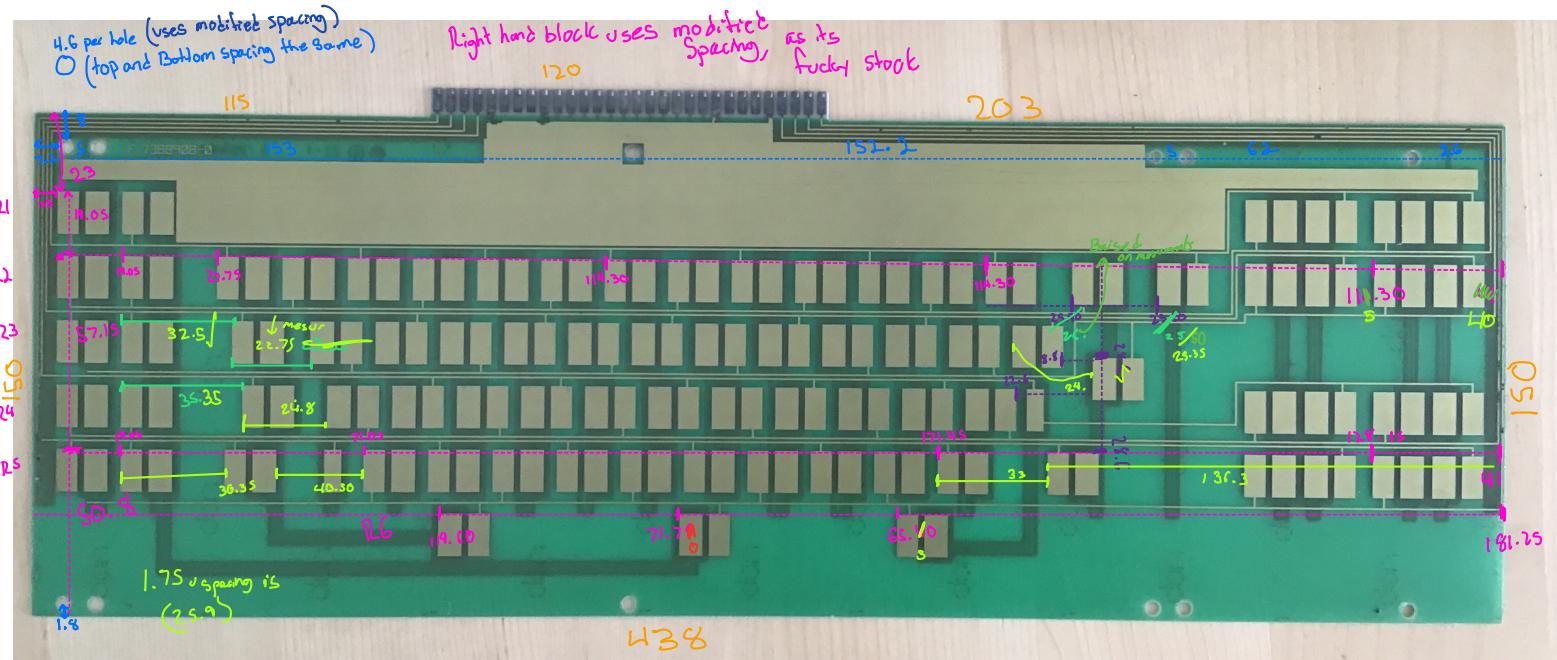
7.3 + 19.05 + 28.05 + 114.30 + 114.30 + ~~133.4~~ + 40  
115.40

Redraw



The right block has fucky pos<sub>s</sub>, I will fix  
green is corrections

## Content



$$\text{Hole Spacing} \left( 7.2 + 4.6 + 5 + 4.6 + 153 + 4.6 + 152, 2 + 4.6 + 5 + 4.6 + 62 + 4.6 + 26 = 438 \right)$$

$$\text{Edge Spacing } (115 + 120 + 203 = 438)$$

Top to bottom  $(23 + 19.05 + 57.15 + 50.8 = 150)$

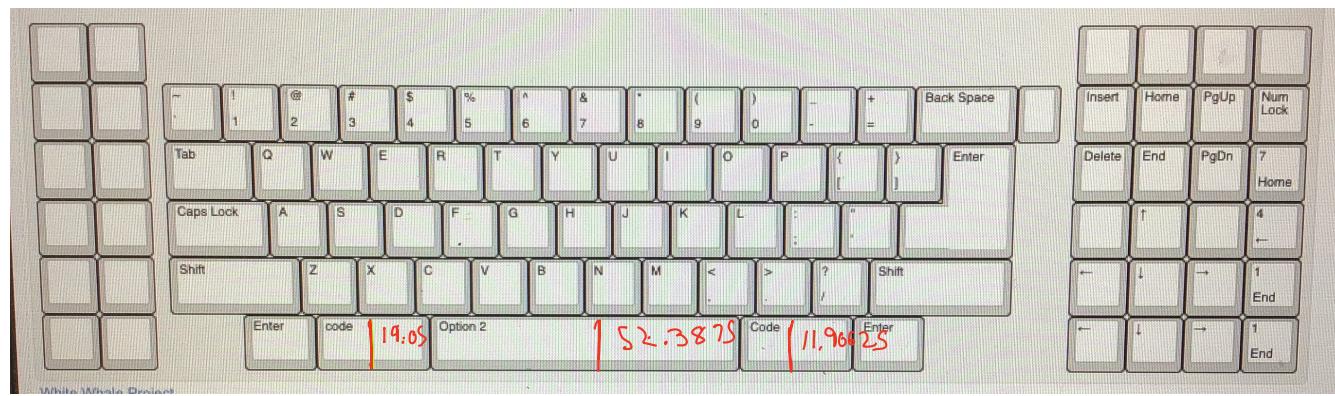
$$R_2 \left( 7.3 + 19.05 + 27.75 + 114.30 + 114.30 + (114.30 + 4) = 438 \right)$$

$$P_C = 7.3 + 19.05 + 71.05 + 171.45 + 128.15 + 41 = 438$$

$$\begin{array}{l} \text{RS} \\ \text{RC} \end{array} \left\{ \begin{array}{l} 7.3 + 11.75 \\ 119.60 + 71.75 + 65.40 + 181.25 = 438 \end{array} \right)$$

## extra help

Spacing is very strange?

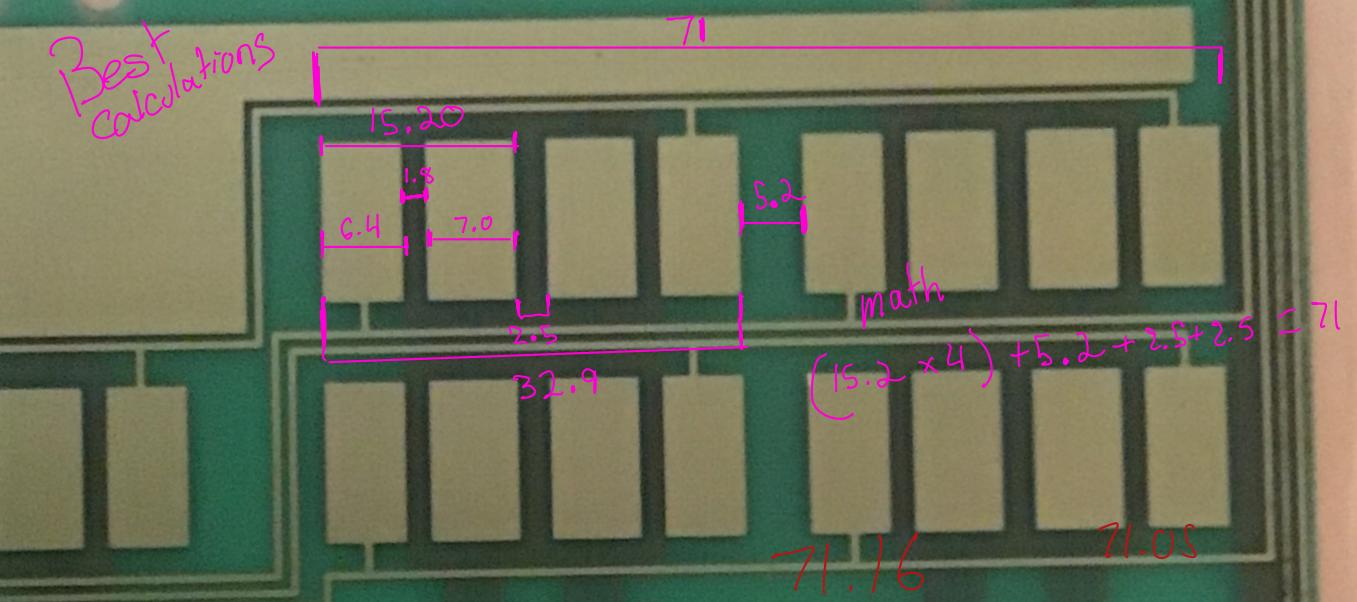


• .75          .75 •

Math 71.4375  
measure 71.6  
2 off

math - 64.3  
measure - 65.2  
9 off  
(flipped  
Pad  
Correct)

Design Calculations



Corrections

