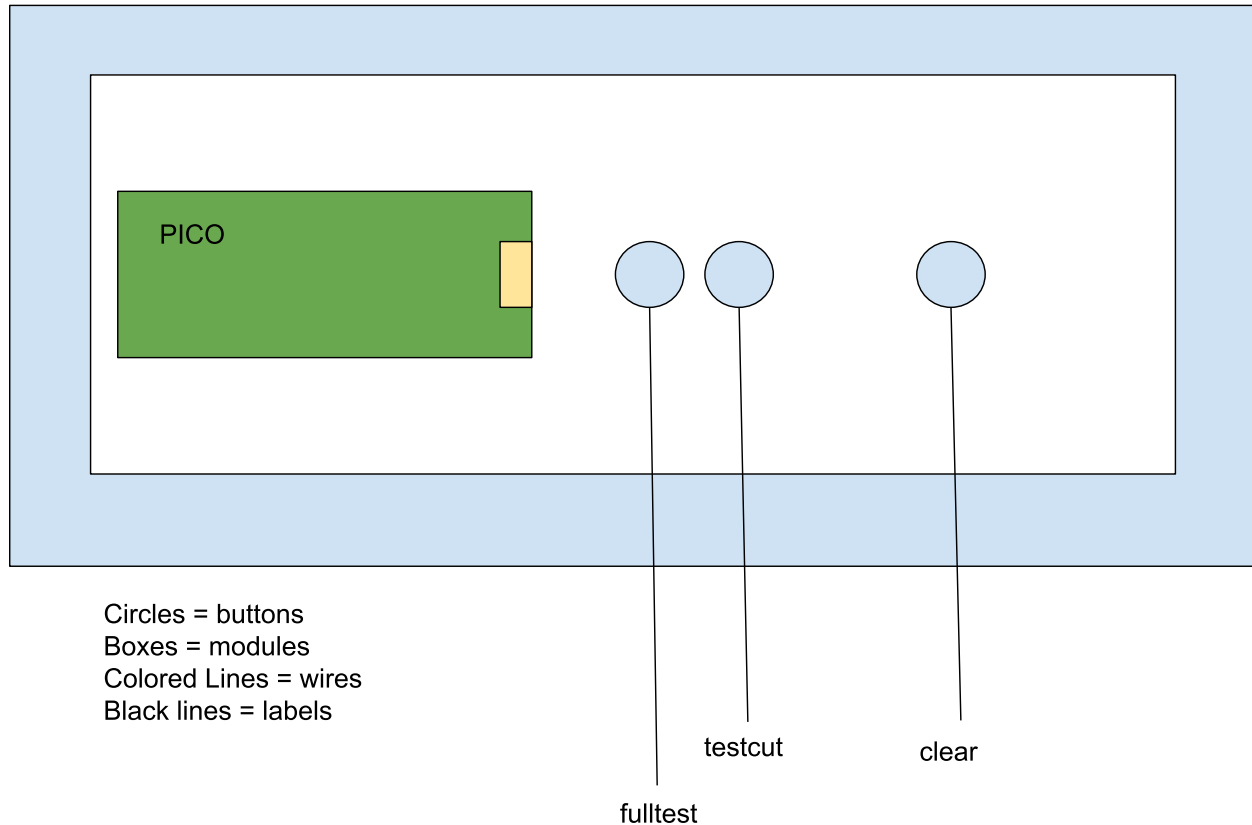


π -Calc Documentation

Instructions



Above is the current diagram for the π -Calc demo, but what exactly does fulltest, testcut and clear mean? Clear is pretty obvious, it clears the LCD display, but fulltest is a little more complicated, first it tests everything from test(t) function 3 times and displays how many tests its done in total under the operation answer, where t can be 0-7, each operation t can do is listed below.

T	0	1	2	3	4	5	6	7
Operation	1+4	4-1	2*4=8	8/2	1.5+1	1.5-1	1.5*2	1.5/1

Second, fulltest does the testcut() function, which tests the systems ability to cut numbers down to only 16 characters in length, for example, the value that testcut cuts down is 63141371376341786314137137634 which is 29 characters in length, first it prints this onto the lcd screen along with a ":" and however many characters long it is, then it sets a value called

to remove to the length of the string (29) minus 16, which equals 13 in this case, then it sets the new string to index 0 (which is the first number) through index to remove, which would result in it printing the first 16 letters of this string followed by ":16". But why do these even exist? Well, when I was still making the calc() function which calculates the two user values based on what operand you're using, I needed a way to test every operation including decimal numbers, and this was the perfect way.

Source Code

<https://github.com/RPiPico/PiCalc/tree/main>