

```
1 #ifndef _PORTS_
2 #define _PORTS_
3
4
5 //motor ports
6 #define BOTTOM_RIGHT_MOTOR -11
7 #define LEFT_MIDDLE_MOTOR 9
8 #define BOTTOM_LEFT_MOTOR -6
9 #define TOP_RIGHT_MOTOR -5
10 #define RIGHT_MIDDLE_MOTOR 12
11 #define TOP_LEFT_MOTOR -14
12
13 //tracking wheel ports
14 #define LEFT_TRACKING_WHEEL_TOP 'C'
15 #define LEFT_TRACKING_WHEEL_BOTTOM 'D'
16 #define RIGHT_TRACKING_WHEEL_TOP 'B'
17 #define RIGHT_TRACKING_WHEEL_BOTTOM 'A'
18 #define BACK_TRACKING_WHEEL_TOP 'E'
19 #define BACK_TRACKING_WHEEL_BOTTOM 'F'
20
21
22 //odom distances between wheels
23 #define ODOMTRACK 6.9235_in
24 #define ODOMWHEELDIM 2.81665_in
25 #define ODOMBACKDISTANCE 6.5_in
26
27
28 //These are lift macros for the index of the lift. Do not touch
29 #define GOAL_LIFT 0
30 #define FOUR_BAR 1
31 #define SPIKE 2
32 #define INTAKE 3
33
34 #define INTAKE_PORT 15
35 #define FOUR_BAR_FIRST 8
36 #define IMUPORT 16
37
38 #define FRONT_PNEUM 'G'
39 #define BACK_PNEUM 'F'
40
41 #define TRACK 6.875
42
43 #endif
```