

2004 FRC – robot:

Analog inputs:

1. Gyro
2. Current sensor Left
3. Current sensor Right
4. unused
5. unused
6. unused
7. unused
8. unused
9. unused
10. unused
11. unused
12. unused
13. unused
14. unused
15. unused
16. unused

Digital Input/Output:

Interrupts:

1. Left Quad encoder
2. Right Quad encoder
3. Right IR sensor 1 (top servo)
4. Left IR sensor 2 (top servo)
5. unused
6. unused

7. Quad encoder B left
8. Quad encoder B right
9. Blue or Red Team (beacon 0 or 1)
10. Left/Right of field switch
11. Arm Banner sensor
12. unused
13. unused
14. Pressure sensor
15. Auto mode select switch
16. Auto mode select switch
17. Auto mode select switch
18. Auto mode select switch

PWMs:

1. Top IR servo
2. unused
3. Arm motor
4. Left winch
5. Right winch
6. unused
7. unused
8. unused
9. Left drill motor 1
10. Left CIM motor 2
11. Right drill motor 1
12. Right CIM motor 2
13. unused
14. unused
15. unused
16. unused

Relay Outputs:

1. unused
2. Ball grabber solenoid
3. Wing solenoid
4. Goal grabber
5. unused
6. unused
7. Compressor

Operator Interface user switches:

1. OI/RC dashboard switch
2. 1-joystick drive/2-joystick drive
 - a. Goal grabber
 - b. Wings
3. 1-joystick arm control
 - a. Ball grabber
 - b. Up/down Winch
4. Switch for joystick drive mode
5. Spare switch

Robot user switches:

1. Left/Right of Field
2. Red/Blue team
3. Auto mode (1-16)
 - a. Auto selections
 - b. Diagnostics
4. RC reset momentary switch (missing)