Robot Map, 2012 (1/22/2012)+

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| cRio Module Map | | | |
| Slot | Module | “Logical” Module Number | Used-by Subsystem |
| 1 | Analog Breakout | 1 | Drive |
| 2 | Digital Sidecar Interface | 1 | ~ Various ~ |
| 3 | Solenoid Breakout | 1 | Chute, Tilter |
| 4 |  |  |  |
| 5 | Analog Breakout | 2 | Drive |
| 6 |  |  |  |
| 7 |  |  |  |
| 8 |  |  |  |

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| Analog Breakout Module 1 | | | |
| Channel | Sensor | Description | Subsystem |
| 1 | Gyro | Drive System Yaw (Steering) | Drive |
| 2 | Gyro | Drive System Pitch (on Bridge) | Drive |
| 3 |  |  |  |
| 4 | Ultrasonic Rangefinder | Front Rangefinder | Drive |
| 5 | Ultrasonic Rangefinder | Right Rangefinder | Drive |
| 6 | Ultrasonic Rangefinder | Rear Rangefinder | Drive |
| 7 | Ultrasonic Rangefinder | Left Rangefinder | Drive |
| 8 | Battery Monitor | Dedicated, Required by Rules | n/a |

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| Analog Breakout Module 2 | | | |
| Channel | Sensor | Description | Subsystem |
| 1 | 10-turn Potentiometer | Chute Steering | Chute |
| 2 | Gyro | Drive Roll (on Bridge) | Drive |
| 3 | Accelerometer | X-Axis Acceleration | Drive |
| 4 | Accelerometer | Y-Axis Acceleration | Drive |
| 5 | Accelerometer | Z-Axis Acceleration | Drive |
| 6 |  |  |  |
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| Pneumatics Bumper Module 1 | | | |
| Channel | Actuator | Description | Subsystem |
| 1 | Solenoid | Chute Trigger Solenoid | Chute |
| 2 |  |  |  |
| 3 | Solenoid | Camera Periscope Up Solenoid | Camera |
| 4 | Solenoid | Camera Periscope Down Solenoid | Camera |
| 5 | Solenoid | Lifter Up Solenoid | Chute |
| 6 | Solenoid | Lifter Down Solenoid | Chute |
| 7 | Solenoid | Tilter Up | Tilter |
| 8 | Solenoid | Tilter Down Solenoid | Tilter |

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| Digital Sidecar PWM Out | | | |
| Channel | Actuator | Description | Subsystem |
| 1 | Victor | Vacuum Front | Vacuum |
| 2 | Victor | Vacuum Right | Vacuum |
| 3 | Victor | Hopper | Hopper |
| 4 |  |  |  |
| 5 |  |  |  |
| 6 |  |  |  |
| 7 | Jaguar | Chute Steering | Chute |
| 8 | TrafficCop | TrafficCop | TrafficCop |

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| Digital Sidecar GPIO | | | |
| Channel | Sensor | Description | Subsystem |
| 1 IN | Nason Pressure Switch | Compressor Pressure Switch | Compressor |
| 2 |  |  |  |
| 3 |  |  |  |
| 4 IN | Photoelectric Sensor | Front Bridge Edge Finder | Drive |
| 5 IN | Photoelectric Sensor | Right Bridge Edge Finder | Drive |
| 6 IN | Photoelectric Sensor | Rear Bridge Edge Finder | Drive |
| 7 IN | Photoelectric Sensor | Left Bridge Edge Finder | Drive |
| 8 |  |  |  |

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| Digital Sidecar Relay Outputs | | | |
| Channel | Actuator | Description | Subsystem |
| 1 | IFI Spike Relay | Compressor Power | Compressor |
| 2 | IFI Spike Relay | TrafficCop | TrafficCop |
| 3 |  |  |  |
| 4 |  |  |  |
| 5 |  |  |  |
| 6 |  |  |  |
| 7 |  |  |  |
| 8 |  |  |  |