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, Camera |
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| 6 |  |  |  |
| 7 |  |  |  |
| 8 |  |  |  |

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| Analog Breakout Module 1 | | | |
| Channel | Sensor | Description | Subsystem |
| 1 |  |  |  |
| 2 |  |  |  |
| 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 Voltage Monitor | Dedicated, Required by Rules | n/a |

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| Pneumatics Bumper Module 1 | | | |
| Channel | Actuator | Description | Subsystem |
| 1 | Solenoid | Chute Trigger Up Solenoid | Chute |
| 2 | Solenoid | Chute Trigger Down Solenoid | Chute |
| 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 |  |  |  |
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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 |  |  |  |

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| CAN Bus Device Addresses | | | |
| Slot | Module | Description | Address |
| 1 | Black Jaguar | Right Rear | 2 |
| 2 | Black Jaguar | Right Front | 3 |
| 3 | Black Jaguar | Left Front | 4 |
| 4 | Black Jaguar | Left Rear | 5 |

Note: the Pololu MiniIMU9AHRS Unit is connected via the I2C pins on the Digital Sidecar.