| | Part Number | Description | Vendor | Price | Quantity | Extended Price |
|---|---|---|---|---|---|---|
| Custom Microcontroller - MC68336 with 1MB flash/SRAM | | | | | | |
| | | Unpopulated PCB manufacturing | Advanced Circuits | 50 | 2 | 100 |
| | | Components | Digikey/Jameco | | | 150 |
| | | (cost estimate based on previous completed project) | | | | |
| Sensors | | | | | | |
| | | Incremental Optical Shaft Encoders | US Digital | 50 | 2 | 100 |
| | 4DOF IMU | Inertial Measurement Sensor | Rotomotion | 220 | 1 | 220 |
| Hardware | | | | | | |
| | | Team Orion Buggy Chassis | Tower Hobbies | 300 | 1 | 300 |
| | ESC 12 | Electronic Speed Controller | Tower Hobbies | 50 | 1 | 50 |
| | | 7.2v 3300mAh batteries | Radio Shack | 30 | 2 | 60 |
| | | Misc. parts, materials, connectors, adapters | Various | | | 20 |
| | | | | | Total | 1000 |