# 1. 제어부

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| **번호** | **부품명** | **수량** | **비고** |
| **1** | Atmega128 | 1 | [JMOD-128-1](http://www.devicemart.co.kr/mypage/orderview.php?ordno=1433398138516) |
| **2** | 핀 헤더 29\*1 | 2 | Atmega128 탈부착 |

# 2. 전원부

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| **번호** | **부품명** | **수량** | **비고** |
| **1** | LM2576 | 1 | 5V/3A Regulator |
| **2** | 100DRW00000c4858fd | 1 | 전해 Capacitor (25V) |
| **3** | 1000DRW00000c4858ff | 1 |
| **4** | 100DRW00000c485901 | 1 | Inductor |
| **5** | 1N5822 | 1 | Diode |
| **6** | Toggle Switch | 1 | 전원부 스위치 |

# 3. 구동부

## 1) 모터

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| **번호** | **부품명** | **수량** | **비고** |
| **1** | 103H5205-0473 | 2 |  |
| **2** | 바퀴 | 2 |  |

## 2) 모터드라이버

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| **번호** | **부품명** | **수량** | **비고** |
| **1** | SLA7026M | 2 | 9680 |
| **2** | 핀 헤더 12\*2 | 2 | 네모난 것 |
| **3** | 510 DRW00000c485903 | 2 | Resistor |
| **4** | 47 DRW00000c485905 | 4 |
| **5** | 2.4 DRW00000c485907 | 4 |
| **6** | 0.68 DRW00000c485909 | 4 | (1W ~ 2 W) |
| **7** | 500 DRW00000c48590b | 2 | 가변저항 |
| **8** | 100 DRW00000c4858ff | 2 | 전해 Capacitor (50V) |
| **9** | 470 DRW00000c48590d | 4 | 세라믹 Capacitor |
| **10** | 2200 DRW00000c48590f | 4 |

# 3. 센서부

## 1) 발광부

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| **번호** | **부품명** | **수량** | **비고** |
| **1** | EL-7L | 8 | 적외선 LED |
| **2** | 10DRW00000c485911 | 8 | 저항 (1/2W) |
| **3** | ULN2803 | 1 | Sink형 증폭기 |
| **4** | 싱글라운드소켓(64핀) | 2 | 발광부, 수광부, ULN2803 소켓 |

## 2) 수광부

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| **번호** | **부품명** | **수량** | **비고** |
| **1** | ST-7L | 8 | 적외선 수광센서 |
| **2** | 0.01 DRW00000c485917 | 8 | 모노리틱 Cacitor (Mono Cap 10nF Z5U 50V) |
| **3** | 47 DRW00000c485915 | 8 | 저항 |
| **4** | 470 DRW00000c485913 | 8 |

# 4. 기타

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| **번호** | **부품명** | **수량** | **비고** |
| **1** | 2pin molex 커넥터 | 2 | 전지-전원부 연결 |
| **2** | Tact Switch | 1 | Mode 선택 스위치 |
| **3** | 0.01DRW00000c485919 | 1 |
| **4** | 10DRW00000c48591b | 1 |
| **5** | LED | 2 | Mode 확인 LED |
| **6** | 6pin molex | 2 | 모터 연결 |
| **7** | FC-20P커넥터(10\*2) | 2 | 센서부와 제어부 연결 |
| **8** | 기판 | - | 적절히 |