Raspberry Pi Loc decoder　　　　　　Revised:　　　Feb 28, 2014
GCA_PI05　　　　　　　　　　　　　　Revision:　　　1.3
Bill Of Materials

| Qty | Reference | Part |
|-----|-----------|------|
| 6 | R1,R5,R8,R10,R19,R21 | 1 KOhm |
| 8 | R2,R9,R11,R15,R16,R17,R18,R20 | 2,2 KOhm |
| 4 | R3,R4,R12,R14 | 470 Ohm |
| 2 | R6,R7 | 330 Ohm |
| 1 | R21 | 1,2 Kohm 1% |
| 1 | R22 | 1,5 Kohm 1% |
| 1 | C2 | ELCO 22 uF 25V radial |
| 3 | C3,C4,C8 | ELCO 10 uF 25V rad |
| 1 | C6 | ELCO 100 uF 16V rad |
| 1 | C7 | ELCO 1000 16V rad |
| 1 | Le1 | Led 3mm green |
| 1 | Le2 | Led 3mm red |
| 2 | D1,D5 | DIODE 1N4148 |
| 1 | D2 | DIODE ZENER 5V1 |
| 2 | D3,D4 | DIODE 1N5818 |
| 1 | D6 | DIODE 1N5401 |
| 1 | GR1 | Bridge rectifier KBU6B |
| 3 | H1,H2,H3 | IRF7862 |
| 1 | TR1 | BC547b |
| 1 | IC1 | ADAfruit PCA9685 |
| 1 | IC2 | LTV847 with socket DIL-16 |
| 1 | IC3 | ULN2803 with socket DIL-18 |
| 1 | VR1 | TSR 1-2450 |
| 1 | VR2 | LM2576t-adj |
| 1 | Fu1 | PSS 254/10G |
| 1 | St1 | AKL082-04 |
| 2 | V1,V2 | PSS 254/5G |
| 2 | RFID1,Hall1 | PSS 254-3G |
| 1 | A1+PP1+Ra1 | AKL086-6 |
| 1 | M1 | AKL086-2 |
| 1 | K1 | RELAY OMRON G5V-1 |
| 2 | K2,K3 | RELAY FIN 36 11 5V |
| 1 | L1 | FED100 |
| 2 | F1,F2 | Fuse PFRA 250 |
| 1 | Pb1 | Pushbutton |