**BOM – Garage Door Control**

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| **Id** | **Designator** | **Package** | **Qt.** | **Designation** |
| 1 | G\*\*\* | dam5 | 1 | LOGO |
| 2 | G\*\*\* | me\_logo | 1 | LOGO |
| 3 | G\*\*\* | m&d\_logo | 1 | LOGO |
| 4 | OSC1 | Crystal\_SMD\_HC49-SD | 1 | 8MHz |
| 5 | U13 | HTSSOP-16-1EP\_4.4x5mm\_P0.65mm\_EP3x3mm | 1 | TPS26600 |
| 6 | G\*\*\* | car\_logo | 1 | LOGO |
| 7 | C1,C6,C23 | C\_0805\_2012Metric | 3 | 100nF |
| 8 | C2,C4 | C\_0805\_2012Metric | 2 | 22pF |
| 9 | C3 | CP\_Radial\_D16.0mm\_P7.50mm | 1 | 2200uF |
| 10 | C7 | CP\_Radial\_D8.0mm\_P3.50mm | 1 | 180uF |
| 11 | C8,C9,C10,C11,C12,C13 | C\_0805\_2012Metric | 6 | 10nF |
| 12 | CN1 | mikroBUS\_socket | 1 | mikroBUS\_socket |
| 13 | D5,D1 | D\_DO-201AD\_P12.70mm\_Horizontal | 2 | D\_Schottky |
| 14 | D6 | TO-252-2 | 1 | Q\_TRIAC\_A1A2G |
| 15 | IN1,IN2,IN3,IN4,IN5,IN6, OUT1,OUT2,OUT3,OUT4, OUT5,OUT6,PWR5,PWR24 | LED\_0805\_2012Metric | 14 | LED |
| 16 | J1 | PinHeader\_1x05\_P2.54mm\_Vertical | 1 | Conn\_01x05 |
| 17 | J2 | PCB\_Screw\_Terminal\_5.08\_12ways | 1 | Screw\_Terminal\_01x12 |
| 18 | L1 | HPI1206 | 1 | 68uH |
| 19 | R1,R25,R27,R34,R35,R38, R39,R40,R46 | R\_0805\_2012Metric | 9 | 10k |
| 20 | R2 | R\_0805\_2012Metric | 1 | 2k2 |
| 21 | R3,R4,R5,R6,R7,R8,R21,R22,R23,R24,R26,R28,R32 | R\_0805\_2012Metric | 13 | 4k7 |
| 22 | R9,R10,R11,R12,R13,R14, R15,R16,R17,R18,R19,R20 | R\_1206\_3216Metric | 12 | 330 |
| 23 | R29 | R\_0805\_2012Metric | 1 | 330 |
| 24 | R30 | R\_2512\_6332Metric | 1 | 200 |
| 25 | R31 | R\_0805\_2012Metric | 1 | 150 |
| 26 | R33 | R\_1206\_3216Metric | 1 | 10k |
| 27 | RS1 | TACTSWITCH6x6 | 1 | SW\_Push |
| 28 | U2 | SOIC-14\_3.9x8.7mm\_P1.27mm | 1 | BTS5120G |
| 29 | U3 | TO-263-5\_TabPin3 | 1 | LM2596S-5 |
| 30 | U4 | SMDIP-6\_W9.53mm | 1 | VO3062 |
| 31 | U6,U7,U8 | ISO1212 | 3 | ISO1212 |
| 32 | D7,D8 | D\_SOD-323 | 2 | D |
| 33 | C14,C15,C16,C17 | C\_0805\_2012Metric | 4 | 0.22uF |
| 34 | C18,C19 | C\_0805\_2012Metric | 2 | 0.1uF |
| 35 | C20 | CP\_Radial\_D16.0mm\_P7.50mm | 1 | 1000uF |
| 36 | U5,U9 | TO-263-7\_TabPin4 | 2 | BTN8982TA |
| 37 | C21 | C\_0805\_2012Metric | 1 | 0.1nF |
| 38 | C22 | C\_0805\_2012Metric | 1 | 100uF |
| 39 | R36 | R\_0805\_2012Metric | 1 | 100k |
| 40 | R37 | R\_0805\_2012Metric | 1 | 47k |
| 41 | U10 | SOIC-8\_3.9x4.9mm\_P1.27mm | 1 | TPS25921A |
| 42 | H1,H2,H3,H4 | ScrewHoleM3 | 4 | ScrewHoleM3 |
| 43 | J4,J5,J6,J7 | PCB\_Screw\_Terminal\_5.08\_4ways | 4 | Screw\_Terminal\_01x04 |
| 44 | J3 | PCB\_Screw\_Terminal\_5.08\_2ways | 1 | Screw\_Terminal\_01x02 |
| 45 | U1 | TQFP-44\_10x10mm\_P0.8mm | 1 | PIC18F45K22 |
| 46 | U11 | DiodeBridge\_GBI | 1 | GBI25B |
| 47 | C5,C24 | CP\_Radial\_D12.5mm\_P5.00mm | 2 | 680uF |
| 48 | C25 | C\_0805\_2012Metric | 1 | 560pF |
| 49 | C26 | CP\_Radial\_D10.0mm\_P5.00mm | 1 | 150uF |
| 50 | L2 | HPI1206 | 1 | 47uH |
| 51 | R41 | R\_0805\_2012Metric | 1 | 1k |
| 52 | R42 | R\_0805\_2012Metric | 1 | 18k5 |
| 53 | U12 | TO-263-5\_TabPin3 | 1 | LM2596S-ADJ |
| 54 | C27 | C\_0805\_2012Metric | 1 | 2.2uF |
| 55 | R43 | R\_0805\_2012Metric | 1 | 715k |
| 56 | R44 | R\_0805\_2012Metric | 1 | 20k |
| 57 | R45 | R\_0805\_2012Metric | 1 | 30.1k |
| 58 | R47 | R\_0805\_2012Metric | 1 | 5,36k |
| 59 | C28 | C\_0805\_2012Metric | 1 | 0.47uF |
| 60 | C29 | C\_0805\_2012Metric | 1 | 33uF |
| 61 | JP1 | Jumper\_0805 | 1 | SolderJumper\_3\_Open |
| 62 | U14 | SOT-223 | 1 | LM3940 |