

| Comment      | Description                     | Designator                     | Footprint     | LibRef     |
|--------------|---------------------------------|--------------------------------|---------------|------------|
| 47uF/50V     | Polarized Capacitor             | C1, C2                         | CP3.5-8       | Cap P      |
| 470n         | Non-Polarized Capacitor         | C3                             | 100nF/63V     | Cap NP     |
| 22uF/50V     | Polarized Capacitor             | C4                             | CP3.5-8       | Cap P      |
| 10.000uF     | Polarized Capacitor             | C5, C6, C7, C8, C9, C10        | 4700uF/80V    | Cap P      |
| 470uF 63V    | Polarized Capacitor             | C12, C13                       | CP7.5-18      | Cap P      |
| 100nF        | Non-Polarized Capacitor         | C14, C15                       | MKS2          | Cap NP     |
| 10uF/35V     | Polarized Capacitor             | C16, C17                       | CP3.5-8       | CP         |
| 2200uF 25V   | Polarized Capacitor             | C18, C19                       | CP7.5-18      | Cap P      |
| 103          | Non-Polarized Capacitor         | C20, C21, C22, C23, C24, C25   | 100nF/63V     | Cap NP     |
| 1000uF/25V   | Polarized Capacitor             | C32                            | 1000uF/25V    | Cap P      |
| 100uF        | Polarized Capacitor             | C33                            | 1000uF/25V    | Cap P      |
| 100nF        | Non-Polarized Capacitor         | C34                            | 100nF/63V     | Cap NP     |
| 1N4148       | DIODE SMALL SIG 100V 0.2A       | D1, D2, D3, D4, D5, D6         | DO-35         | 1N4148     |
| 1N4007       | DIODE GEN PURPOSE 1KV 1A        | D7, D8, D9, D11, D12, D15, D16 | DO-41         | 1N4007     |
| Zener        | Diode Zener                     | D10                            | DO-41         | Zener      |
| RED          | LED SMD 0805                    | D13                            | LED 5MM       | LED 0805   |
| BYV79        | DIODE GEN PURPOSE 1KV 1A        | D19, D20, D21, D22, D23, D24   | BY329A        | 1N4007     |
| 1N4007       | DIODE GEN PURPOSE 1KV 1A        | D31, D32, D33, D34             | 1N4007        | 1N4007     |
| Relay 5A/12V | Relay DPDT                      | K1, K2                         | RL_DPDT_5A    | Relay 2    |
| Header 1X2   | Header, 2-Pin                   | P1, P2, P8, P10, P11, P12      | Domino 2      | Header 1X2 |
| Header 1X3   | Header, 3-Pin                   | P4, P5, P6, P7, P9             | Domino 3      | Header 1X3 |
| Header 2X3   | Header, 3-Pin, Dual row         | P13                            | Header 2X3    | Header 2X3 |
| A42          | NPN Bipolar Transistor          | Q1, Q3, Q4, Q5                 | A42 LINE      | A42        |
| A92          | PNP Bipolar Transistor          | Q2, Q6                         | A92 LINE      | A92        |
| 47K          | Resistor                        | R1, R2, R13                    | RESISTOR 1/4W | Res1       |
| 100K         | Resistor                        | R3, R9                         | RESISTOR 1/4W | Res1       |
| 4K7          | Resistor                        | R4                             | RESISTOR 1/4W | Res1       |
| 22K          | Resistor                        | R5, R6                         | RESISTOR 1/4W | Res1       |
| 10K          | Resistor                        | R7, R16                        | RESISTOR 1/4W | Res1       |
| 100R         | Resistor                        | R8, R10                        | RESISTOR 1/4W | Res1       |
| 220K         | Resistor                        | R11                            | RESISTOR 1/4W | Res1       |
| 6K8          | Resistor                        | R12                            | RESISTOR 1/4W | Res1       |
| 1k           | Resistor                        | R14                            | RESISTOR 1/4W | Res1       |
| 330R         | Resistor                        | R15                            | RESISTOR 1W   | Res1       |
| 200R         | Resistor                        | R18, R19                       | RESISTOR 1/4W | Res1/4W    |
| 2K2          | Resistor                        | R20, R21                       | RESISTOR 1/4W | Res1/4W    |
| LM317        | 3-Terminal Adjustable Regulator | U1                             | TO-220H       | LM317      |
| LM337        | IC REG LDO NEG ADJ 1.5A TO-18   | U2                             | TO-220H       | LM337      |
| 78XX         |                                 | U3                             | MJE15030H     | 78XX       |
| 2k           | TRIMMER                         | VR1, VR2                       | VR Blue       | VR         |

| Quantity |
|----------|
| 2        |
| 1        |
| 1        |
| 6        |
| 2        |
| 2        |
| 2        |
| 2        |
| 2        |
| 12       |
| 1        |
| 1        |
| 1        |
| 6        |
| 9        |
| 1        |
| 1        |
| 12       |
| 4        |
| 2        |
| 6        |
| 5        |
| 1        |
| 4        |
| 2        |
| 3        |
| 2        |
| 1        |
| 2        |
| 2        |
| 2        |
| 1        |
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| 1        |
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