|  |  |  |
| --- | --- | --- |
| **Name** | **12 Volts** | **24 Volts** |
| **Surge Protector Circuit** | LT4363 | LT4363 |
| **Resistor 1** | 56K | 100K |
| **Resistor 2** | 5K | 5K |
| **Resistor 3** | 10 OHM | 10 OHM |
| **Resistor 4** | 100K | 218 K |
| **Resistor 5** | 10K | 6K |
| **Resistor 6** | 10K | 10K |
| **Resistor 7** | 10K | 15K |
| **P-MOSFET** | FQP27P06 | FQP27P06 |
| **N- MOSFET** | STP16NF06L | STP16NF06L |
| **CAPACITOR 1** | # BC1082CT-ND  CAP CER 0.047UF 50V X7R RADIAL | # BC1082CT-ND  CAP CER 0.047UF 50V X7R RADIAL |
| **TIMER CAPACITOR** | #399-4521-1-ND  CAP CER 1UF 50V Z5U AXIAL  #399-4454-1-ND  CAP CER 0.1UF 50V Z5U AXIAL | #399-4521-1-ND  CAP CER 1UF 50V Z5U AXIAL  #399-4454-1-ND  CAP CER 0.1UF 50V Z5U AXIAL |
| **ZENER DIODE** | 1N5245 | 1N5245 |
| **BI-DIRECTRIONAL DIODE** | SMAJ58CA | SMAJ58CA |
|  |  |  |

**SURGE PROTECTOR, REVERSE POLARITY, OVER AND UNDER VOLTAGE CIRCUIT COMPONANTS**

BY: Hanieh Zahiremami

