|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Category  | Comment | Pattern/Description | Quantity | Components /Description | Cost/Price  |
| Resistor | 1K10K8.2K4.7K100E470E22E3.3K33K22K2.2K1.5K470K220K47K150E150K68E680E6.8K1.8K100K1.8M330E1.2K10M220E47E1M800E330K56K82K | 120612061206120612061206120612061206120612061206120612061206120612061206120612061206120612061206120612061206120612061206120612061206 | 111111111111111111111111111111111 | R1R?R?R?R?R? R?R?R?R?R1R?R?R?R?R1R?R?R?R?R1R?R?R?R?R1R?R?R?R?R1R?R? | 111111111111111111111111111111111 |
| CapacitorElectrolytic | 1000uf1uf10uf100uf2.2uf470nf4.7uf470uf | RAD0.1RAD0.1 RAD0.1RAD0.1RAD0.1RAD0.1RAD0.1RAD0.1 | 11111111 | C?C?C?C?C?C?C?C? | 88888888 |
| Capacitor Paper /ceramic | 0.1uf0.01uf33pf22pf | RAD0.1RAD0.1RAD0.1RAD0.1 | 11111 | C?C?C?C?C? | 4444 |
| Regulator IC | Lm7805Lm7812Lm7824Lm311 | T0-220WHT0-220WHT0-220WHT0-220WH | 111 | IC?IC?IC? | 25252525 |
| Resistor array/ Rpack  | 4.7K10K | SIP9SIP9 | 11 | Pack?Pack? | 44 |
| Potential meter  | 10K Multi turn10K single turn | PRESETPRESET  | 11 | P?P? | 2020 |
| Crystal  | 11.059MHz32KHz12Mhz | XTAL? XTAL?XTAL? | 1 1  1  | X?X?X? | 303030 |
| Transistor  | BC547BC337BC557BC847 | TO-92ATO-92ATO-92ATO-92A | 1111 | Q?Q?Q?Q? | 10101010 |
| IC | Max232ADC0809ADC0804AT89S52AT892051ULN2803LM324LM393LM311PC817PIC16FDS1307MOC3023NE5554N35AT24C08 | DIP16DIP28DIP20DIP40DIP20DIP18DIP14DIP 8DIP 8DIP 4 DIP40DIP 8DIP 6DIP 8DIP 6DIP 8 | 1111111111111111 | IC?IC?IC?IC?IC?IC?IC?IC?IC?IC?IC?IC?IC?IC?IC?IC? | 50506050505050505050505050 |
| Connector | 2PIN PHOENIX CON | CON 2(POW) | 1 | CON? | 10 |
| LCD | 16X1 LCD16X2 LCD20X4 LCD  | SIP16SIP16SIP16 | 111 | CON?CON?CON? | 130130130 |
| Relay | Leone 6VLeone 12VLeone L91H | 6VDC12VDC12VDC | 111 | L?L?L? | 252550 |
| Diode | IN4007IN4148IN5408 | DIODE0.4DIODE0.4DIODE0.4 | 111 | D?D?D? | 222 |
| Zenar Diode | 2.7V5.1V3.0V | DIODE0.4DIODE0.4DIODE0.4 | 111 | D?D?D? | 444 |
| DB9 pin | DB 9Pin MaleDB 9Pin Female | DB 9DB 9 | 11 | DB?DB ? | 1515 |
| LED | REDYELOOWBLUEGREENWHITE | LED 5MMLED 5MMLED 5MMLED 5MMLED 5MM | 11111 | L?L?L?L?L? | 22222 |
| LED | REDYELOOWBLUEGREENWHITE | LED 10MMLED 10MMLED 10MMLED 10MMLED 10MM | 111111 | L?L?L?L?L?L? | 44444 |
| Plywood | 12X18 | - | 1 | - | 90 |
| Transformer | 9-0-9 | Step down | 1 | T? | 130 |
| Screw nut | 3MM | 3\*18 |  |  | 15 |
| Current transformer | CT | CT | 1 | C? | 100 |
| Potential transformer | PT | PT | 1 | P? | 100 |