|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Category | Comment | Pattern/Description | Quantity | Components /Description | Cost/Price |
| Resistor | 1K  10K  8.2K  4.7K  100E  470E  22E  3.3K  33K  22K  2.2K  1.5K  470K  220K  47K  150E  150K  68E  680E  6.8K  1.8K  100K  1.8M  330E  1.2K  10M  220E  47E  1M  800E  330K  56K  82K | 1206  1206  1206  1206  1206  1206  1206  1206  1206  1206  1206  1206  1206  1206  1206  1206  1206  1206  1206  1206  1206  1206  1206  1206  1206  1206  1206  1206  1206  1206  1206  1206  1206 | 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1 | R1  R?  R?  R?  R?  R?  R?  R?  R?  R?  R1  R?  R?  R?  R?  R1  R?  R?  R?  R?  R1  R?  R?  R?  R?  R1  R?  R?  R?  R?  R1  R?  R? | 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1 |
| Capacitor  Electrolytic | 1000uf  1uf  10uf  100uf  2.2uf  470nf  4.7uf  470uf | RAD0.1  RAD0.1  RAD0.1  RAD0.1  RAD0.1  RAD0.1  RAD0.1  RAD0.1 | 1  1  1  1  1  1  1  1 | C?  C?  C?  C?  C?  C?  C?  C? | 8  8  8  8  8  8  8  8 |
| Capacitor  Paper /ceramic | 0.1uf  0.01uf  33pf  22pf | RAD0.1  RAD0.1  RAD0.1  RAD0.1 | 1  1  1  1  1 | C?  C?  C?  C?  C? | 4  4  4  4 |
| Regulator IC | Lm7805  Lm7812  Lm7824  Lm311 | T0-220WH  T0-220WH  T0-220WH  T0-220WH | 1  1  1 | IC?  IC?  IC? | 25  25  25  25 |
| Resistor array/ Rpack | 4.7K  10K | SIP9  SIP9 | 1  1 | Pack?  Pack? | 4  4 |
| Potential meter | 10K Multi turn  10K single turn | PRESET  PRESET | 1  1 | P?  P? | 20  20 |
| Crystal | 11.059MHz  32KHz  12Mhz | XTAL?  XTAL?  XTAL? | 1  1  1 | X?  X?  X? | 30  30  30 |
| Transistor | BC547  BC337  BC557  BC847 | TO-92A  TO-92A  TO-92A  TO-92A | 1  1  1  1 | Q?  Q?  Q?  Q? | 10  10  10  10 |
| IC | Max232  ADC0809  ADC0804  AT89S52  AT892051  ULN2803  LM324  LM393  LM311  PC817  PIC16F  DS1307  MOC3023  NE555  4N35  AT24C08 | DIP16  DIP28  DIP20  DIP40  DIP20  DIP18  DIP14  DIP 8  DIP 8  DIP 4  DIP40  DIP 8  DIP 6  DIP 8  DIP 6  DIP 8 | 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1 | IC?  IC?  IC?  IC?  IC?  IC?  IC?  IC?  IC?  IC?  IC?  IC?  IC?  IC?  IC?  IC? | 50  50  60  50  50  50  50  50  50  50  50  50  50 |
| Connector | 2PIN PHOENIX CON | CON 2(POW) | 1 | CON? | 10 |
| LCD | 16X1 LCD  16X2 LCD  20X4 LCD | SIP16  SIP16  SIP16 | 1  1  1 | CON?  CON?  CON? | 130  130  130 |
| Relay | Leone 6V  Leone 12V  Leone L91H | 6VDC  12VDC  12VDC | 1  1  1 | L?  L?  L? | 25  25  50 |
| Diode | IN4007  IN4148  IN5408 | DIODE0.4  DIODE0.4  DIODE0.4 | 1  1  1 | D?  D?  D? | 2  2  2 |
| Zenar Diode | 2.7V  5.1V  3.0V | DIODE0.4  DIODE0.4  DIODE0.4 | 1  1  1 | D?  D?  D? | 4  4  4 |
| DB9 pin | DB 9Pin Male  DB 9Pin Female | DB 9  DB 9 | 1  1 | DB?  DB ? | 15  15 |
| LED | RED  YELOOW  BLUE  GREEN  WHITE | LED 5MM  LED 5MM  LED 5MM  LED 5MM  LED 5MM | 1  1  1  1  1 | L?  L?  L?  L?  L? | 2  2  2  2  2 |
| LED | RED  YELOOW  BLUE  GREEN  WHITE | LED 10MM  LED 10MM  LED 10MM  LED 10MM  LED 10MM | 1  1  1  1  1  1 | L?  L?  L?  L?  L?  L? | 4  4  4  4  4 |
| 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 |