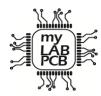




## Bill of Materials

| Designator     | Description   | Value   | Q |
|----------------|---|---------|---|
| C1             | Electrolytic capacitor 16v/50v                        | 10µF    | 1 |
| C2, C3         | Ceramic or tantalum capacitor                         | 100nF   | 2 |
| IC2            | 4-bit D-Type Register with 3 state outputs            | 74LS173 | 1 |
| IC4            | 4-Bits 2-Line to 1 Line data selector                 | 74LS157 | 1 |
| P1             | Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 16 | 16p     | 1 |
| P2             | Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 32 | ұ 32p   | 1 |
| Р3             | Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 8p | 8p      | 1 |
| P4             | Socket Header, THT, pitch 2.54mm, Dual Row, Vertical, | 24p     | 1 |
| R1, R2, R3, R4 | Resistor Axial  | 680Ω    | 4 |
| R5, R6, R7, R8 | Resistor Axial  | 330Ω    | 4 |
| SW1            | DIP switch 4 positions                                | 4 pos   | 1 |
| SW2            | Mini slide switch 2 pos, 3 pins                       |         | 1 |



## Assembly List

| Designator | Description   | Value   |
|------------|---|---------|
| C1         | Electrolytic capacitor 16v/50v                            | 10µF    |
| C2         | Ceramic or tantalum capacitor                             | 100nF   |
| C3         | Ceramic or tantalum capacitor                             | 100nF   |
| IC2        | 4-bit D-Type Register with 3 state outputs                | 74LS173 |
| IC4        | 4-Bits 2-Line to 1 Line data selector                     | 74LS157 |
| P1         | Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 16p    | 16p     |
| P2         | Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 32p    | 32p     |
| Р3         | Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 8p     | 8p      |
| P4         | Socket Header, THT, pitch 2.54mm, Dual Row, Vertical, 24r | 24p     |
| R1         | Resistor Axial  | 680Ω    |
| R2         | Resistor Axial  | 680Ω    |
| R3         | Resistor Axial  | 680Ω    |
| R4         | Resistor Axial  | 680Ω    |
| R5         | Resistor Axial  | 330Ω    |
| R6         | Resistor Axial  | 330Ω    |
| R7         | Resistor Axial  | 330Ω    |
| R8         | Resistor Axial  | 330Ω    |
| SW1        | DIP switch 4 positions                                    | 4 pos   |
| SW2        | Mini slide switch 2 pos, 3 pins                           |         |