















myCPU ALU module

| Description | Value | Q |
|---|---------|---|
| Electrolytic capacitor 16v/50v | 10µF | 1 |
| Ceramic or tantalum capacitor | 100nF | 6 |
| Ceramic capacitor | 100nF | 1 |
| Non inverting bus transceiver | 74xx245 | 1 |
| 4-Bits Full adder with fast carry | 74xx283 | 2 |
| Quad 2-input XOR gates | 74xx86 | 2 |
| Quad 2-input NOR gates | 74xx02 | 1 |
| Quad 2-input AND gates | 74xx08 | 1 |
| Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 16p | 16p | 1 |
| Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 32p | 32p | 1 |
| Socket Header, THT, pitch 2.54mm, Dual Row, Vertical, 24p | 24p | 1 |
| Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 8p | 8p | 2 |
| Resistor Axial | 4.7K | 1 |



Assembly List

myCPU ALU module

| Designator | Description | Value |
|------------|---|---------|
| C1 | Electrolytic capacitor 16v/50v | 10µF |
| C2 | Ceramic or tantalum capacitor | 100nF |
| C3 | Ceramic or tantalum capacitor | 100nF |
| C4 | Ceramic or tantalum capacitor | 100nF |
| C5 | Ceramic or tantalum capacitor | 100nF |
| C6 | Ceramic or tantalum capacitor | 100nF |
| C7 | Ceramic or tantalum capacitor | 100nF |
| C8 | Ceramic capacitor | 100nF |
| IC1 | Non inverting bus transceiver | 74xx245 |
| IC2 | 4-Bits Full adder with fast carry | 74xx283 |
| IC3 | 4-Bits Full adder with fast carry | 74xx283 |
| IC4 | Quad 2-input XOR gates | 74xx86 |
| IC5 | Quad 2-input XOR gates | 74xx86 |
| IC6 | Quad 2-input NOR gates | 74xx02 |
| IC7 | Quad 2-input AND gates | 74xx08 |
| 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 | Socket Header, THT, pitch 2.54mm, Dual Row, Vertical, 24p | 24p |
| P5 | Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 8p | 8p |
| P6 | Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 8p | 8p |
| R1 | Resistor Axial | 4.7K |