









## **Bill of Materials**

Designator	Description	Value	Q
C1	Electrolytic capacitor 16v/50v	10μF	1
C2, C3, C4, C5, C6, C7, C	Ceramic or tantalum capacitor	100nF	7
IC1	Non inverting bus transceiver	74LS245	1
IC3	Quad 2-input NOR gates	74LS02	1
IC4	Quad 2-input AND gates	74LS08	1
IC-ADDER1, IC-ADDER2	4-Bits Full adder with fast carry	74LS283	2
IC-COMP1, IC-COMP2	Quad 2-input XOR gates	74LS86	2
P1	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 16p	16p	1
P2	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 32p	32p	1
P3	Socket Header, THT, pitch 2.54mm, Dual Row, Vertical, 24p	24p	1
P5, P6	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 8p	8p	2



## **Assembly List**

Desig.	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 or tantalum capacitor	100nF
IC1	Non inverting bus transceiver	74LS245
IC3	Quad 2-input NOR gates	74LS02
IC4	Quad 2-input AND gates	74LS08
IC-ADDER1	4-Bits Full adder with fast carry	74LS283
IC-ADDER2	4-Bits Full adder with fast carry	74LS283
IC-COMP1	Quad 2-input XOR gates	74LS86
IC-COMP2	Quad 2-input XOR gates	74LS86
P1	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 16p	16p
P2	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 32p	32p
P3	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