









## Bill of Materials

Designator	Description	Value	Q
C1	Electrolytic capacitor 16v/50v	10µF	1
C3, C4, C5, C7	Ceramic or tantalum capacitor	100nF	4
C8	Ceramic capacitor	100nF	1
IC1	Non inverting bus transceiver	74LS245	1
IC2, IC3	4-Bits Full adder with fast carry	74LS283	2
IC4, IC5	Quad 2-input XOR gates	74LS86	2
P1	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 16	îr 16p	1
P2	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 32	1 32p	1
Р3	Socket Header, THT, pitch 2.54mm, Dual Row, Vertical,	24p	1
P4	Socket Header, THT, pitch 2.54mm, Single Row, Vertica	.l 8p	1
P5, P6	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 8p	8p	2



## Assembly List

Designator	Description	Value
C1	Electrolytic capacitor 16v/50v	10µF
C3	Ceramic or tantalum capacitor	100nF
C4	Ceramic or tantalum capacitor	100nF
C5	Ceramic or tantalum capacitor	100nF
C7	Ceramic or tantalum capacitor	100nF
C8	Ceramic capacitor	100nF
IC1	Non inverting bus transceiver	74LS245
IC2	4-Bits Full adder with fast carry	74LS283
IC3	4-Bits Full adder with fast carry	74LS283
IC4	Quad 2-input XOR gates	74LS86
IC5	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
Р3	Socket Header, THT, pitch 2.54mm, Dual Row, Vertical, 24r	24p
P4	Socket Header, THT, pitch 2.54mm, Single Row, Vertical, 8	8p
P5	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 8p	8p
P6	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 8p	8p