















## Bill of Materials

Designator	Description Value	Q
C1	Electrolytic capacitor 16v/50v 10uF	1
C3, C4, C5	Ceramic or tantalum capacitor 100nF	3
IC1	Non inverting bus transceiver 74LS245	1
IC2, IC3	4-bit D-Type Register with 3 state outputs 74LS173	2
JP1	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 12p 12p	1
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
Р3	Socket Header, THT, pitch 2.54mm, Dual Row, Vertical, 24p	1
P4	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 8p 8p	1
RN1	Resistor array 8 elements, 9 pins $680\Omega$	1



## Assembly List

Designator	Description	Value
C1	Electrolytic capacitor 16v/50v	10uF
C3	Ceramic or tantalum capacitor	100nF
C4	Ceramic or tantalum capacitor	100nF
C5	Ceramic or tantalum capacitor	100nF
IC1	Non inverting bus transceiver	74LS245
IC2	4-bit D-Type Register with 3 state outputs	74LS173
IC3	4-bit D-Type Register with 3 state outputs	74LS173
JP1	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 12p	12p
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	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 8p	8p
RN1	Resistor array 8 elements,9 pins	680Ω