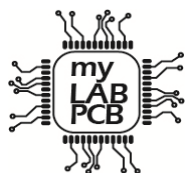






# Bill of Materials

Designator	Description	Value	Q
AI, AO, BI, BO, CI,	Led 3mm Round	Blue	21
C1	Electrolytic capacitor 16v/50v	10 $\mu$ F	1
C2, C3, C4	Ceramic capacitor	100nF	3
HLT	Led 3mm Round	Red	1
IC1, IC2, IC3	Hex inverters	74LS04	3
P1	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 16 $\pi$	16p	1
P2	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 32 $\pi$	32p	1
P3	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 24 $\pi$	24p	1
RN1, RN2, RN3	Resistor array 8 elements,9 pins	220 $\Omega$	3
RN4, RN5, RN6	Resistor array 8 elements,9 pins	1K	3
SW1, SW2	DIP switch 12 positions	12 pos	2



# Assembly List

Designator	Description	Value
AI	Led 3mm Round	Blue
AO	Led 3mm Round	Blue
BI	Led 3mm Round	Blue
BO	Led 3mm Round	Blue
C1	Electrolytic capacitor 16v/50v	10µF
C2	Ceramic capacitor	100nF
C3	Ceramic capacitor	100nF
C4	Ceramic capacitor	100nF
CI	Led 3mm Round	Blue
CO	Led 3mm Round	Blue
EO	Led 3mm Round	Blue
FI	Led 3mm Round	Blue
HLT	Led 3mm Round	Red
IC1	Hex inverters	74LS04
IC2	Hex inverters	74LS04
IC3	Hex inverters	74LS04
II	Led 3mm Round	Blue
IO	Led 3mm Round	Blue
MI	Led 3mm Round	Blue
OI	Led 3mm Round	Blue
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	Pin Header, THT, pitch 2.54mm, Dual Row, Vertical, 24p	24p
PE	Led 3mm Round	Blue
PI	Led 3mm Round	Blue
PO	Led 3mm Round	Blue
RI	Led 3mm Round	Blue
RN1	Resistor array 8 elements,9 pins	220Ω
RN2	Resistor array 8 elements,9 pins	220Ω
RN3	Resistor array 8 elements,9 pins	220Ω
RN4	Resistor array 8 elements,9 pins	1K
RN5	Resistor array 8 elements,9 pins	1K
RN6	Resistor array 8 elements,9 pins	1K
RO	Led 3mm Round	Blue
SI	Led 3mm Round	Blue
SO	Led 3mm Round	Blue
SU	Led 3mm Round	Blue
SW1	DIP switch 12 positions	12 pos
SW2	DIP switch 12 positions	12 pos
UN	Led 3mm Round	Blue