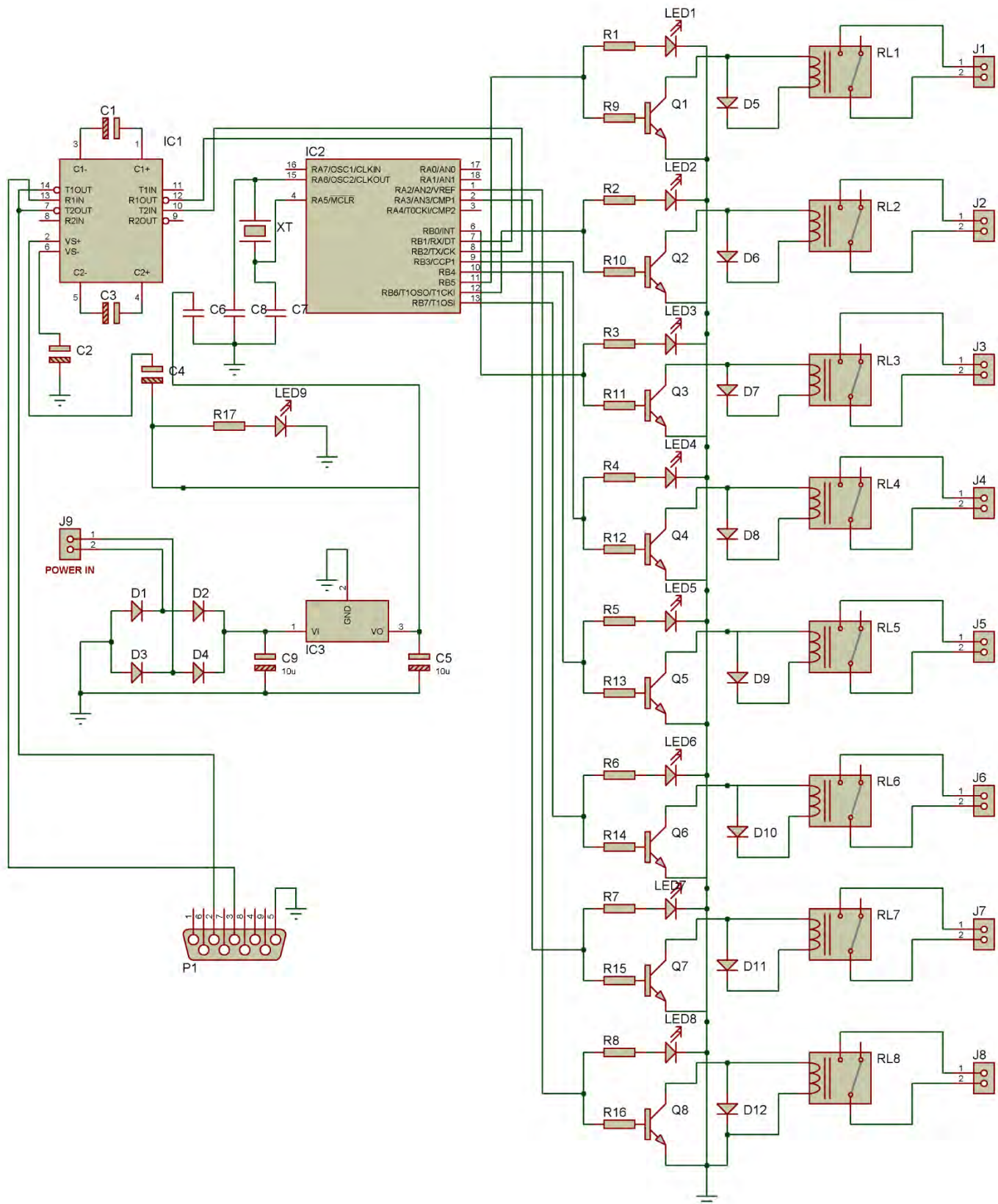
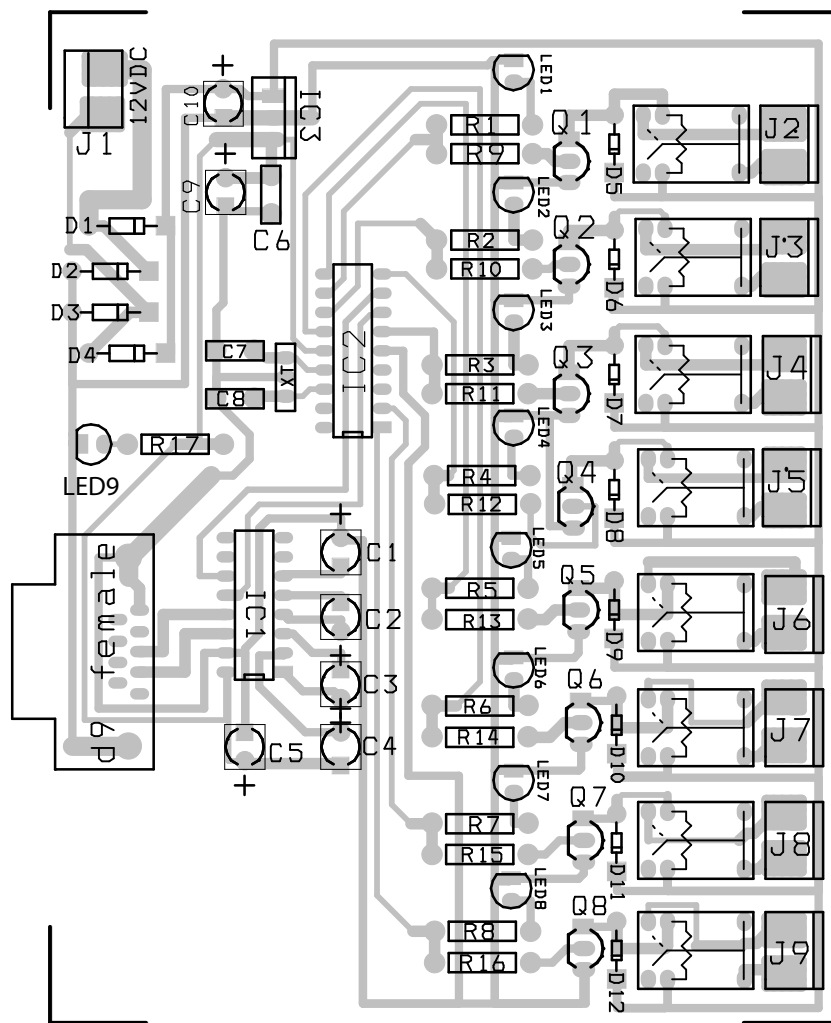




PC 8 RELAYS CONTROL

GE 208





BILL OF MATERIALS:

R1→R8:	560 OHM (Green, Blue, Brown)
R9→R16:	4.7 K OHM (Yellow, Violet, Red)
R17:	560 OHM (Green, Blue, Brown)
D1→D12:	1N4007 (Signal Diode)
C1→C4:	1 uF 50 V
C5:	10 uF 50 V
C6:	100 nF 104
C7, C8:	22 pF 22
C9,C10:	470 uF 16 V
Q1→Q8:	BC337 (NPN Transistor)
LED1→LED8:	LED Red 5mm
LED9:	LED Green 5mm
IC1:	MAX232(serial adaptor)
IC2:	PIC16F628A(Microcontroller)
IC3:	7805 (Voltage regulator)
J1→J9:	Screw Junction
P1:	Female Serial Plug
RELAY1→RELAY8:	Relay 12v
XT:	Crystal 4MHZ
SUPPORT IC:	16 pin x1, 18 pin x2