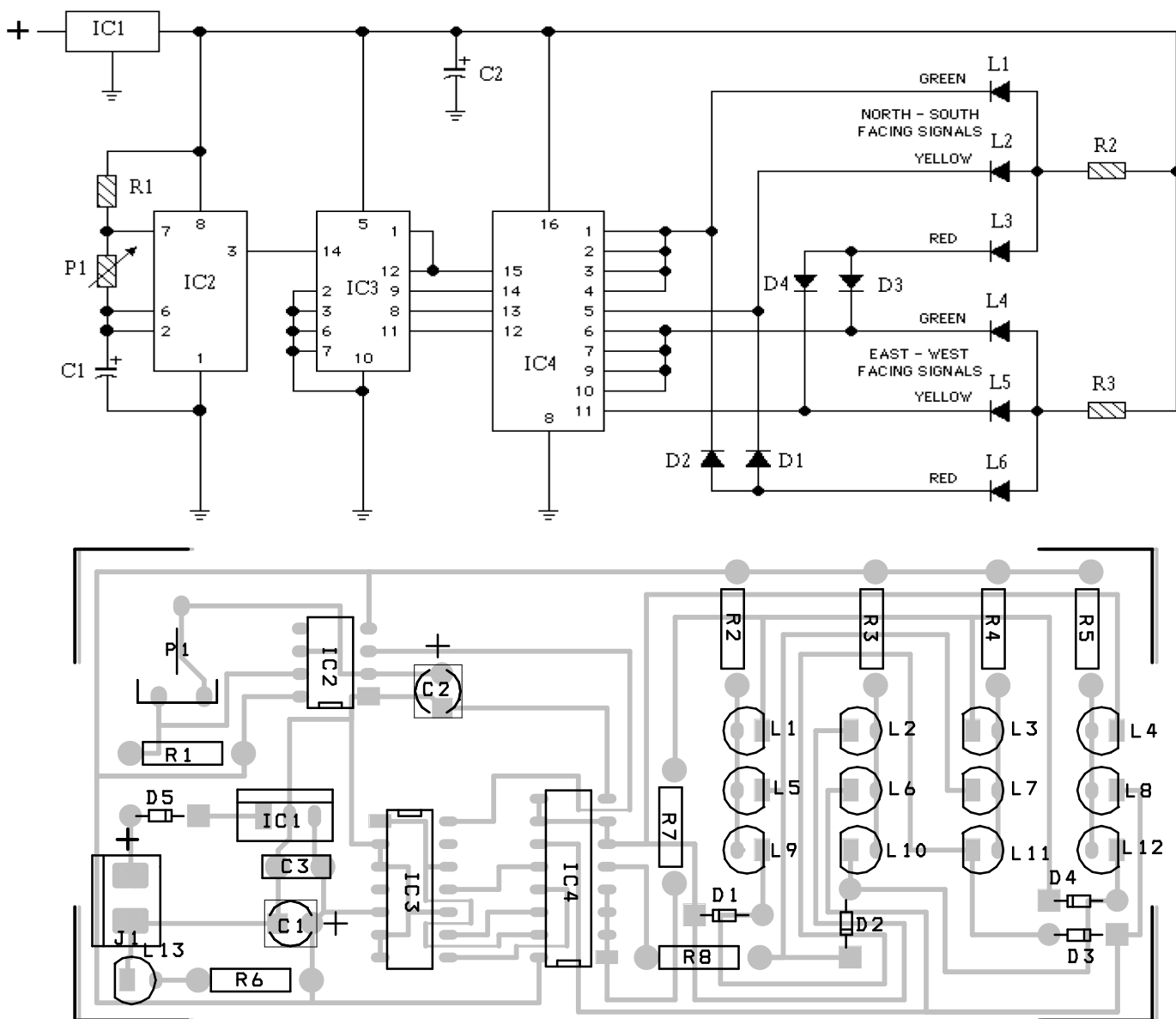


# TRAFFIC LIGHT

GE 201



## BILL OF MATERIALS:

R1: 10 K OHM (Brown, Black, Orange)  
R2→R5: 470 OHM (Yellow, Violet, Brown)  
R6: 560 OHM (Green, Blue, Brown)  
R7, R8: 0 OHM (Black)  
P1: 470 K OHM (Variable Resistor)  
C1: 470 uF 16 V  
C2: 10 uF 25 V  
C3: 220 nF 50 V (224)  
D1→D4: 1N4148 (Signal Diode)  
D5: 1N4007 (Signal Diode)  
IC1: 7805 (Voltage Regulator)

IC2: LM555 (Oscillator)  
IC3: 74LS90 (Decade Counter)  
IC4: 74LS145 (BCD to Decimal Decoder)  
IC Support 8 \*1  
IC Support 14 \*1  
IC Support 16 \*1  
L1→L4: 5mm Led (Green)  
L5→L8: 5mm Led (Orange)  
L9→L13: 5mm Led (Red)  
J1: Screw junction