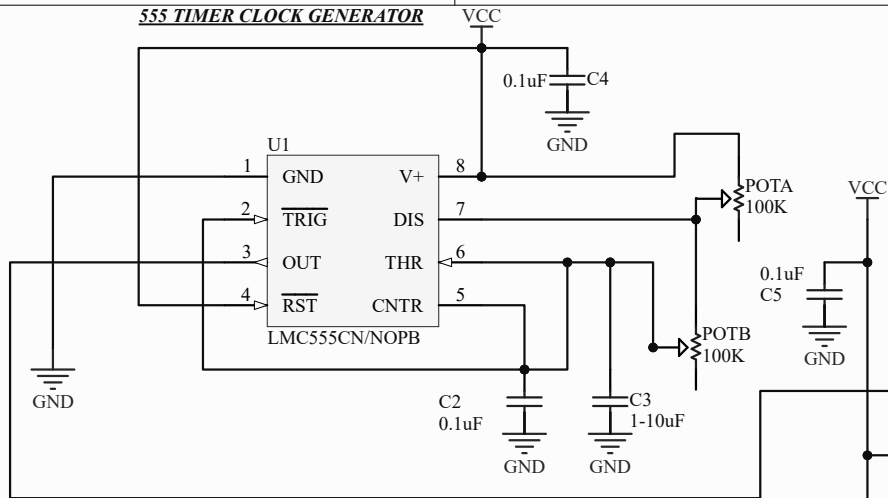
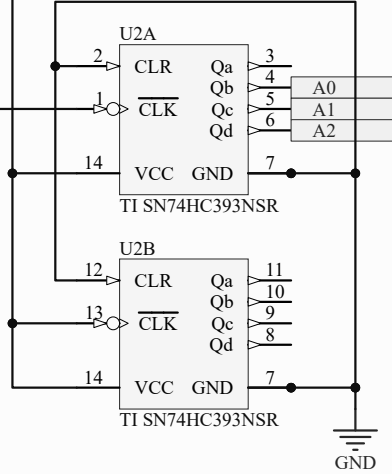


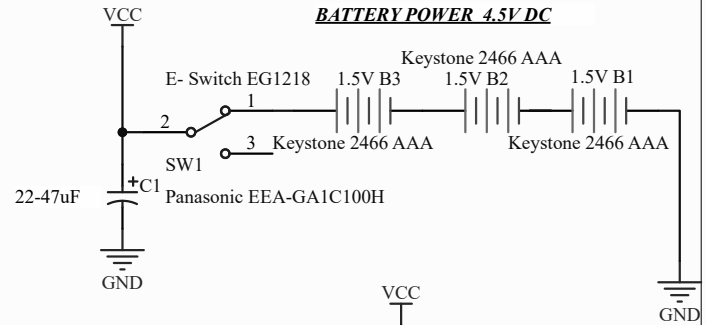
# 555 TIMER CLOCK GENERATOR



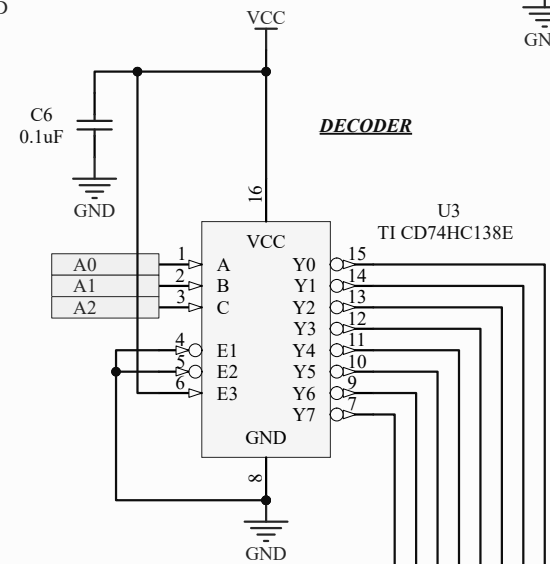
# 4-BIT COUNTER



# BATTERY POWER 4.5V DC



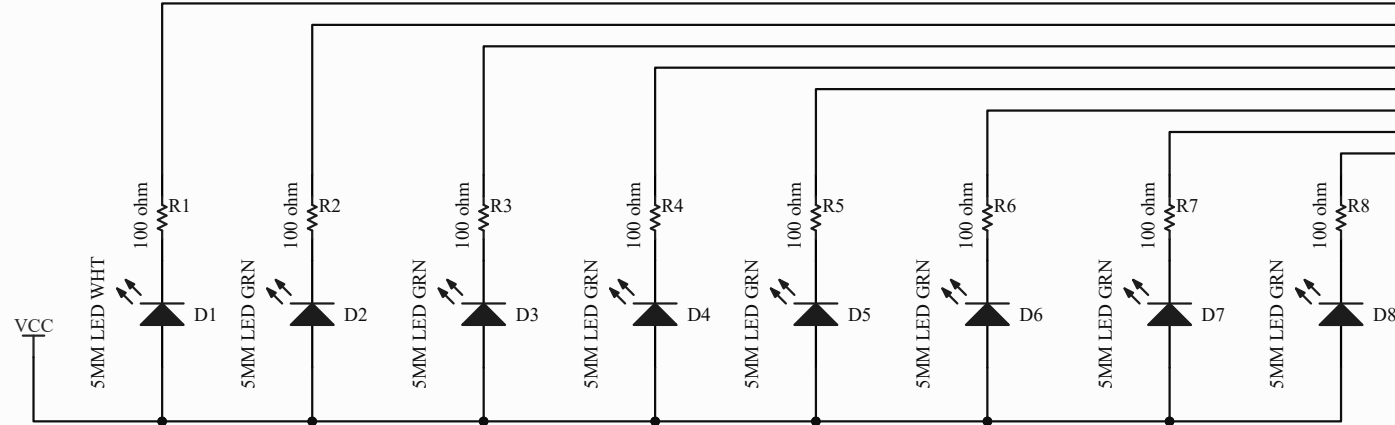
# DECODER



# 555 MODELING EQUATIONS

Total Period  
 $T = 0.693 (RA + 2*RB) * C$   
 Therefore  
 $f = 1/T = 1/0.693 (RA + 2*RB) * C$   
 $RA + 2RB$   
 $RB$   
 $D = RB / (RA + 2RB)$

# LED WAND ARRAY



Title		
PHOTON WAND		
Size	Number	Revision
A		
Date:	10/03/2024	Sheet of
File:	Photon Wand.SchDoc	Drawn By: