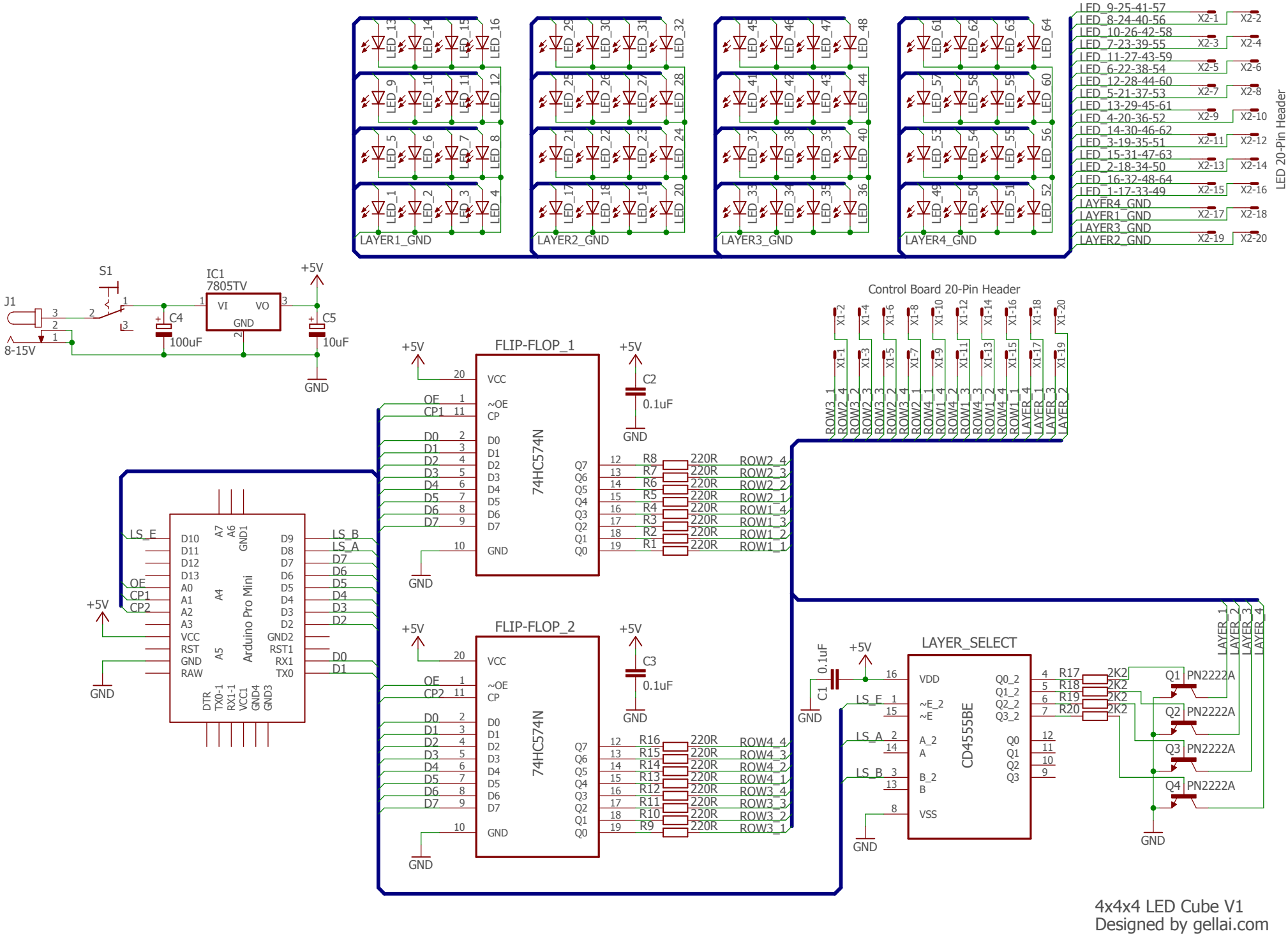
LED_9-25-41-57
LED_8-24-40-56
LED_10-26-42-58
LED_7-23-39-55
LED_11-27-43-59
LED_6-22-38-54
LED_12-28-44-60
LED_5-21-37-53
LED_13-29-45-61
LED_4-20-36-52
LED_14-30-46-62
LED_3-19-35-51
LED_15-31-47-63
LED_2-18-34-50
LED_16-32-48-64
LED_1-17-33-49
LAYER4_GND
LAYER1_GND
LAYER3_GND
LAYER2_GND
X2-1
X2-2
X2-3
X2-4
X2-5
X2-6
X2-7
X2-8
X2-9
X2-10
X2-11
X2-12
X2-13
X2-14
X2-15
X2-16
X2-17
X2-18
X2-19
X2-20
LED 20-Pin Header
LAYER1_GND
LAYER2_GND
LAYER3_GND
LAYER4_GND
S1
IC1
7805TV
VI
VO
GND
J1
8-15V
C4
100uF
C5
10uF
+5V
GND
Control Board 20-Pin Header
ROW3_1
ROW2_4
ROW3_2
ROW3_3
ROW2_2
ROW3_4
ROW2_1
ROW4_1
ROW1_4
ROW4_2
ROW1_3
ROW4_3
ROW1_2
ROW4_4
ROW1_1
LAYER_4
LAYER_1
LAYER_3
LAYER_2
FLIP-FLOP_1
FLIP-FLOP_2
74HC574N
VCC
~OE
CP
D0
D1
D2
D3
D4
D5
D6
D7
Q7
Q6
Q5
Q4
Q3
Q2
Q1
Q0
C2
C3
0.1uF
R8
R7
R6
R5
R4
R3
R2
R1
R16
R15
R14
R13
R12
R11
R10
R9
220R
Arduino Pro Mini
LS_E
LS_B
LS_A
OE
CP1
CP2
LAYER_SELECT
CD4555BE
VDD
VSS
C1
0.1uF
R17
R18
R19
R20
2K2
Q1
Q2
Q3
Q4
PN2222A
4x4x4 LED Cube V1
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