

Description	A Nixie Tube Clock built using only discrete digital logic.
-------------	---

Page 1 - Top Sheet

Additional BOM Items

This is size 150

This is size 100

This is size 75

This is size 50

This is size 30

This is size 20

4-bit MUXes
(Switch Time
vs Date)
6 x 2:1
4-bit MUX

BCD to
One-hot
Decoders
+ Latch
6 x Latched
4 to 16

Parallel-
capture
Shift Chain
(serialize
one-hot)
8 x 8-bit
parallel-in
serial-out

Power Management

Digital Clock Logic

Nixie Tube Driver

File: power_management.kicad_sch

File: digital_clock_logic.kicad_sch

File: nixie_tube_driver.kicad_sch

Sheet: /
File: Nixie Tube Clock.kicad_sch

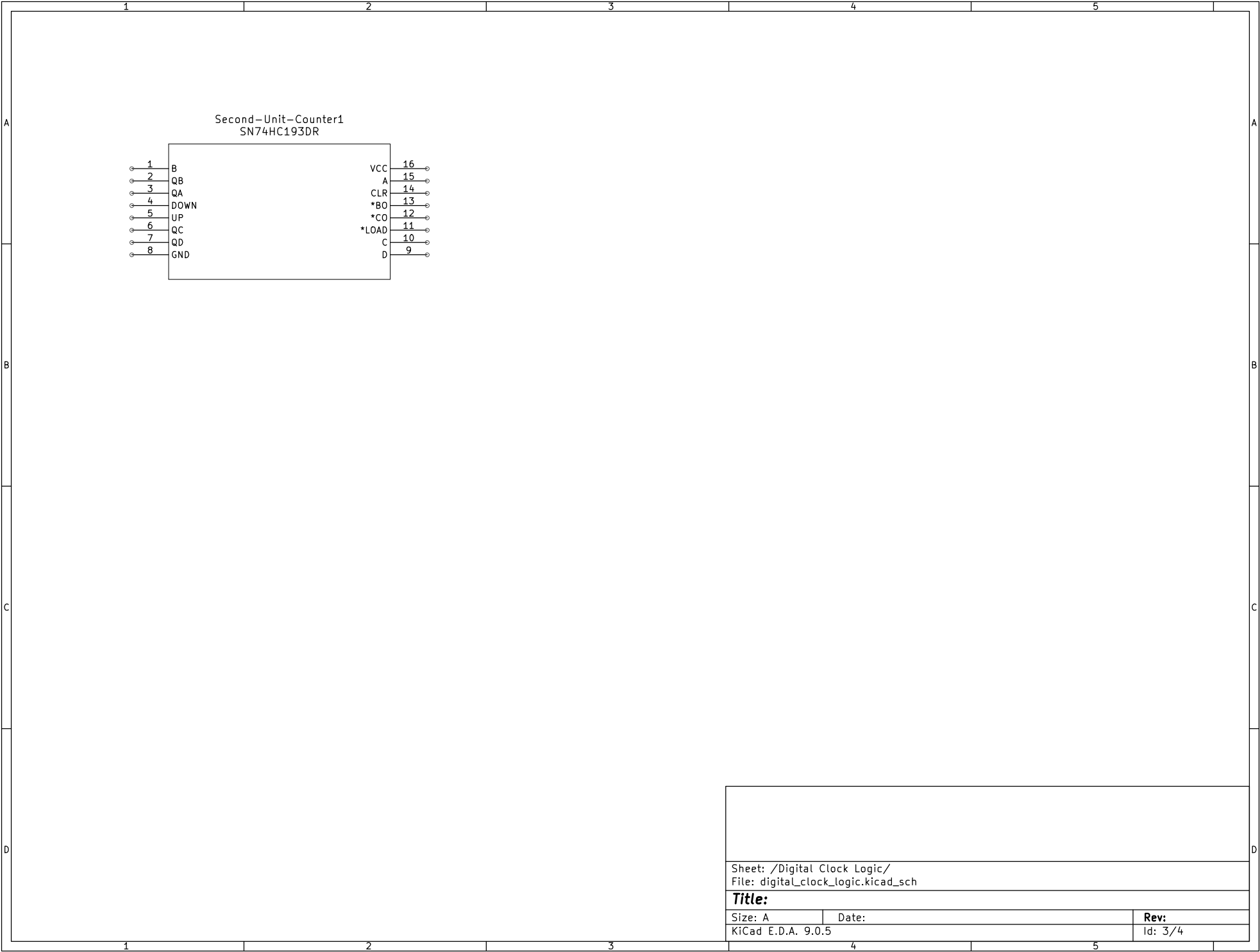
Title: Top Sheet

Size: A	Date:
KiCad E.D.A. 9.0.5	

Rev: 1
Id: 1/4

	1	2	3	4	5	6
A						A
B						B
C						C
D						D
	1	2	3	4	5	6

Sheet: /Power Management/ File: power_management.kicad_sch		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. 9.0.5		Id: 2/4



Sheet: /Digital Clock Logic/ File: digital_clock_logic.kicad_sch		
Title:		
Size: A	Date:	Rev:
KiCad E.D.A. 9.0.5		Id: 3/4

	1	2	3	4	5	6
A						
B						
C						
D						
	1	2	3	4	5	6

Sheet: /Nixie Tube Driver/ File: nixie_tube_driver.kicad_sch		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. 9.0.5		Id: 4/4