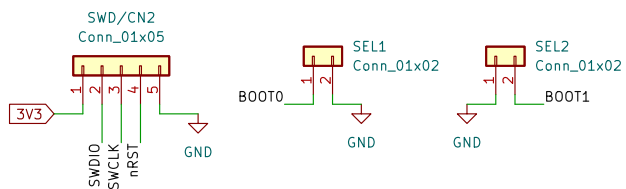
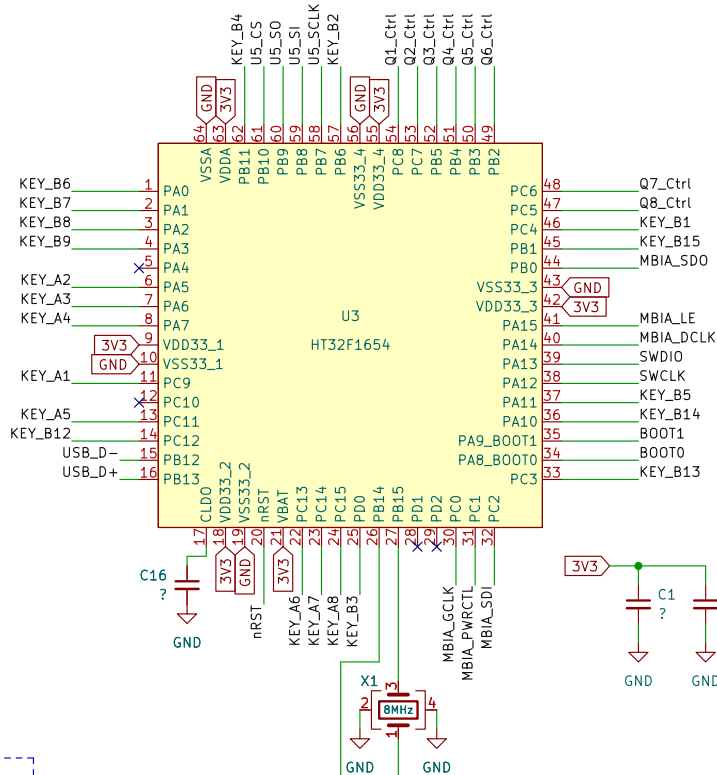
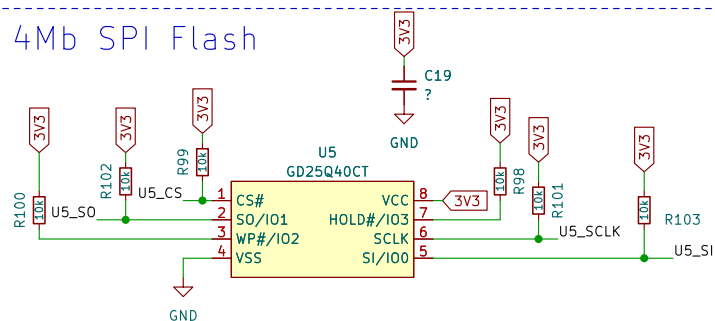


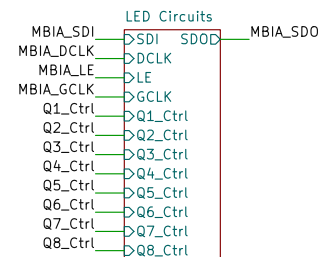
Debug Headers



4Mb SPI Flash



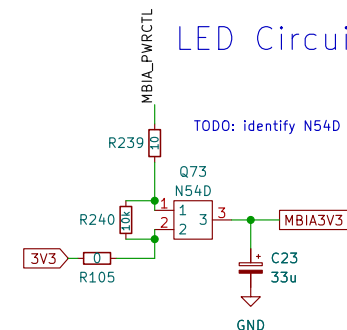
LED Circuits



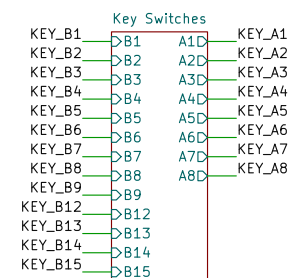
File: led_circuits.kicad_sch

LED Circuits

TODO: identify N54D



Key Switch Groups



File: key_switches.kicad_sch

SGK-6030 PCB
US/EU/KR V1.3
2016.09.29 Ben (presumably original author)
T=1.6MM FR-4 (TIN)

Drawn from PCB by Hansem Ro

Sheet: /
File: pros_rgb.kicad_sch

Title: Cooler Master MasterKeys Pro S RGB PCB (US Layout)

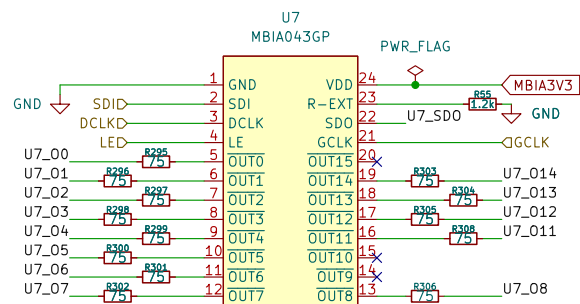
Size: A4

Date:

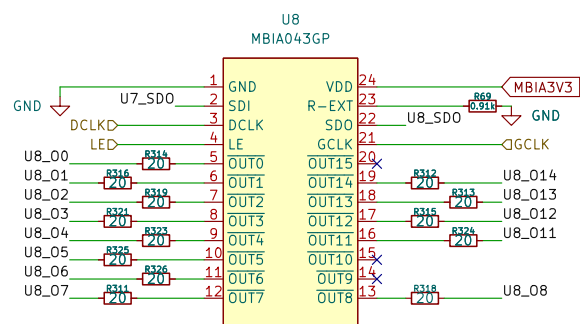
Size: A1	Date:
KiCad E.D.A.	kicad (6.0.8)

Rev: B

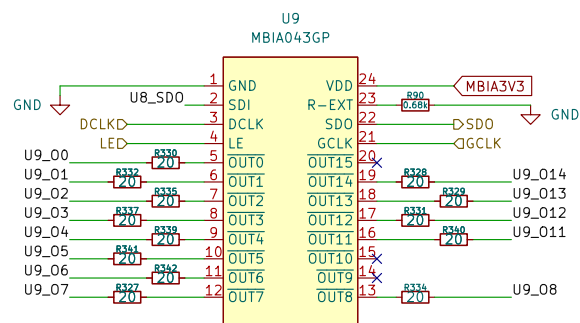
Id: 1/31



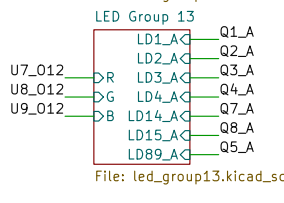
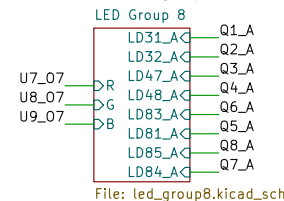
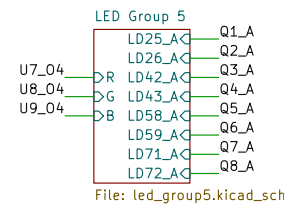
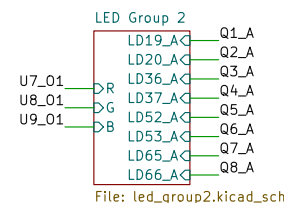
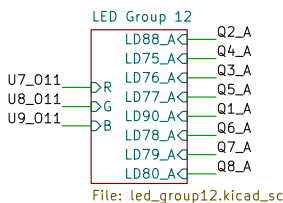
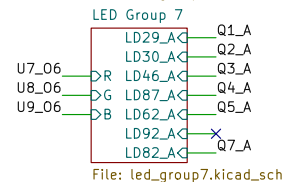
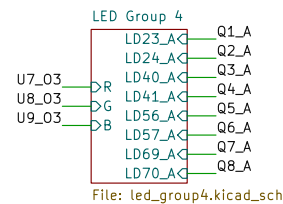
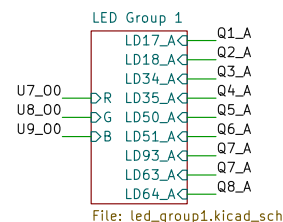
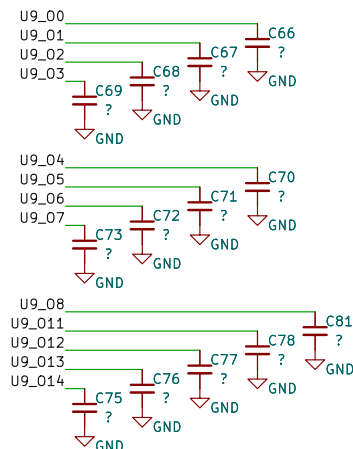
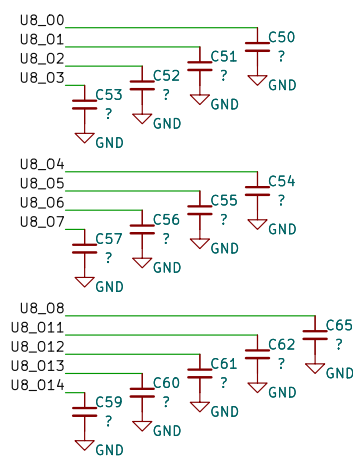
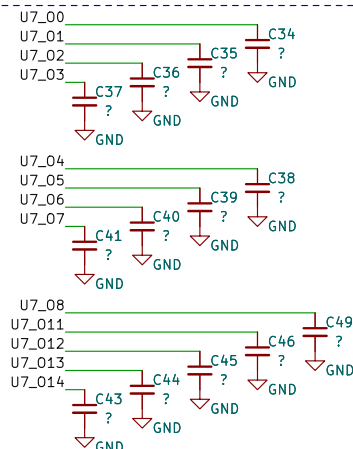
Red Channel LED Driver



Green Channel LED Driver

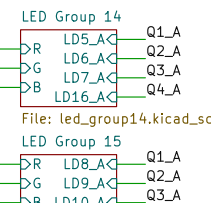
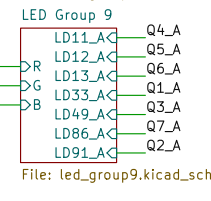
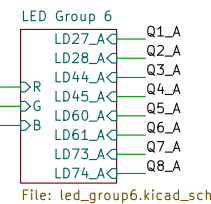
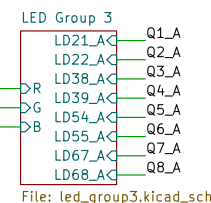


Blue Channel LED Driver

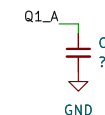
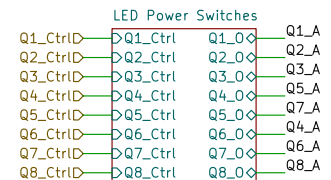


RGB LEDs

Grouped by shared RGB pins



LED Power Drivers



Map of LDs to Keypad

Drawn from PCB by Hansem Ro

Sheet: /LED Circuits/ File: led_circuits.kicad_sch	
Title: Cooler Master MasterKeys Pro S RGB LED Circuits (US Layout)	
Size: A4	Date:
KiCad E.D.A. kicad (6.0.8)	Rev: B
	Id: 2/31

	1	2	3	4	5	6											
A	<div>LD16Pause</div>	<div>LD15ScrLk</div>	<div>LD14PrtSc</div>	<div>LD13F12</div>	<div>LD12F11</div>	<div>LD11F10</div>	<div>LD10F9</div>	<div>LD9F8</div>	<div>LD8F7</div>	<div>LD7F6</div>	<div>LD6F5</div>	<div>LD5F4</div>	<div>LD4F3</div>	<div>LD3F2</div>	<div>LD2F1</div>	<div>LD1Esc</div>	
	<div>LD33PgUp</div>	<div>LD32Home</div>	<div>LD31Ins_</div>	<div>LD30BcksP</div>	<div>LD29=_</div>	<div>LD28-_</div>	<div>LD270_</div>	<div>LD269_</div>	<div>LD258_</div>	<div>LD247_</div>	<div>LD236_</div>	<div>LD225_</div>	<div>LD214_</div>	<div>LD203_</div>	<div>LD192_</div>	<div>LD181_</div>	
B	<div>LD49PgDwn</div>	<div>LD48End</div>	<div>LD47Del_</div>	<div>LD87\</div>	<div>LD46]</div>	<div>LD45[</div>	<div>LD44P</div>	<div>LD43O</div>	<div>LD42]</div>	<div>LD41U</div>	<div>LD40Y</div>	<div>LD39I</div>	<div>LD38R</div>	<div>LD37E</div>	<div>LD36W</div>	<div>LD35Q</div>	<div>LD34Tab</div>
			<div>LD92NC</div>														
				<div>LD62Enter</div>	<div>LD88NC</div>	<div>LD61</div>	<div>LD60</div>	<div>LD59L</div>	<div>LD58K</div>	<div>LD57J</div>	<div>LD56H</div>	<div>LD55G</div>	<div>LD54F</div>	<div>LD53D</div>	<div>LD52S</div>	<div>LD51A</div>	<div>LD50CapsLk</div>
		<div>LD83UpArw</div>		<div>LD74RgtShift</div>	<div>LD73✓</div>	<div>LD72</div>	<div>LD71</div>	<div>LD70M</div>	<div>LD69N</div>	<div>LD68B</div>	<div>LD67V</div>	<div>LD66C</div>	<div>LD65X</div>	<div>LD64Z</div>	<div>LD89NC_</div>	<div>LD63LftShift</div>	<div>LD93NC_</div>
	<div>LD86RgtArw</div>	<div>LD84DwnArw</div>	<div>LD85LftArw</div>	<div>LD82RgtCtrl</div>	<div>LD81Fn</div>	<div>LD80RgtWin</div>	<div>LD79RgtAlt</div>	<div>LD91NC</div>		<div>LD78Space</div>		<div>LD90NC</div>	<div>LD77LftAlt</div>	<div>LD76LftWin</div>	<div>LD75LftCtrl</div>		
D																	

Drawn from PCB by Hansem Ro

Sheet: /LED Circuits/LED_KEYMAP_TEXT/
File: led_keymap_text.sch.kicad_sch

Title:

Size: A4

Date:

Rev:

KiCad E.D.A. kicad (6.0.8)

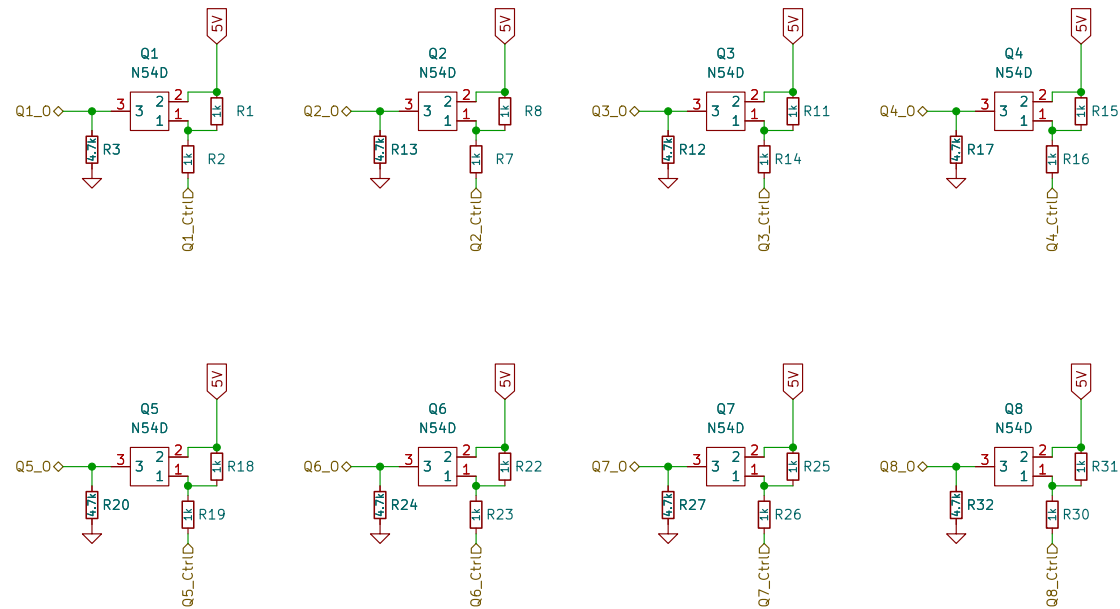
Id: 3/31

Drawn from PCB by Hansem Ro

Sheet: /LED Circuits/LED_KEYMAP_TEXT/
File: led_keymap_text.sch.kicad_sch

Title:

Size: A4	Date:	Rev:
KiCad E.D.A. kicad (6.0.8)		Id: 3/31



Drawn from PCB by Hansem Ro

Sheet: /LED Circuits/LED Power Switches/
File: led_power_switches.kicad_sch

Title:

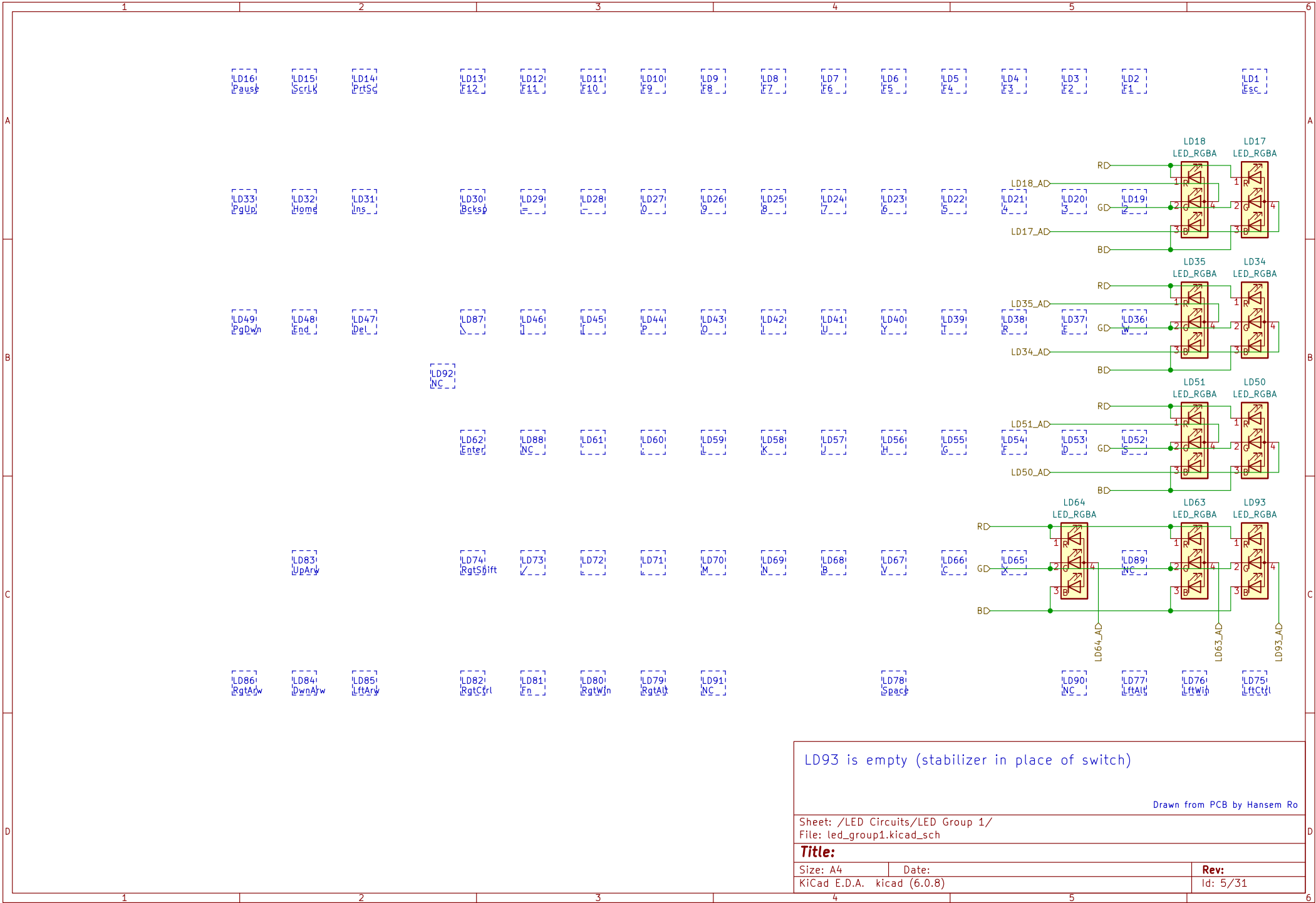
Size: A4

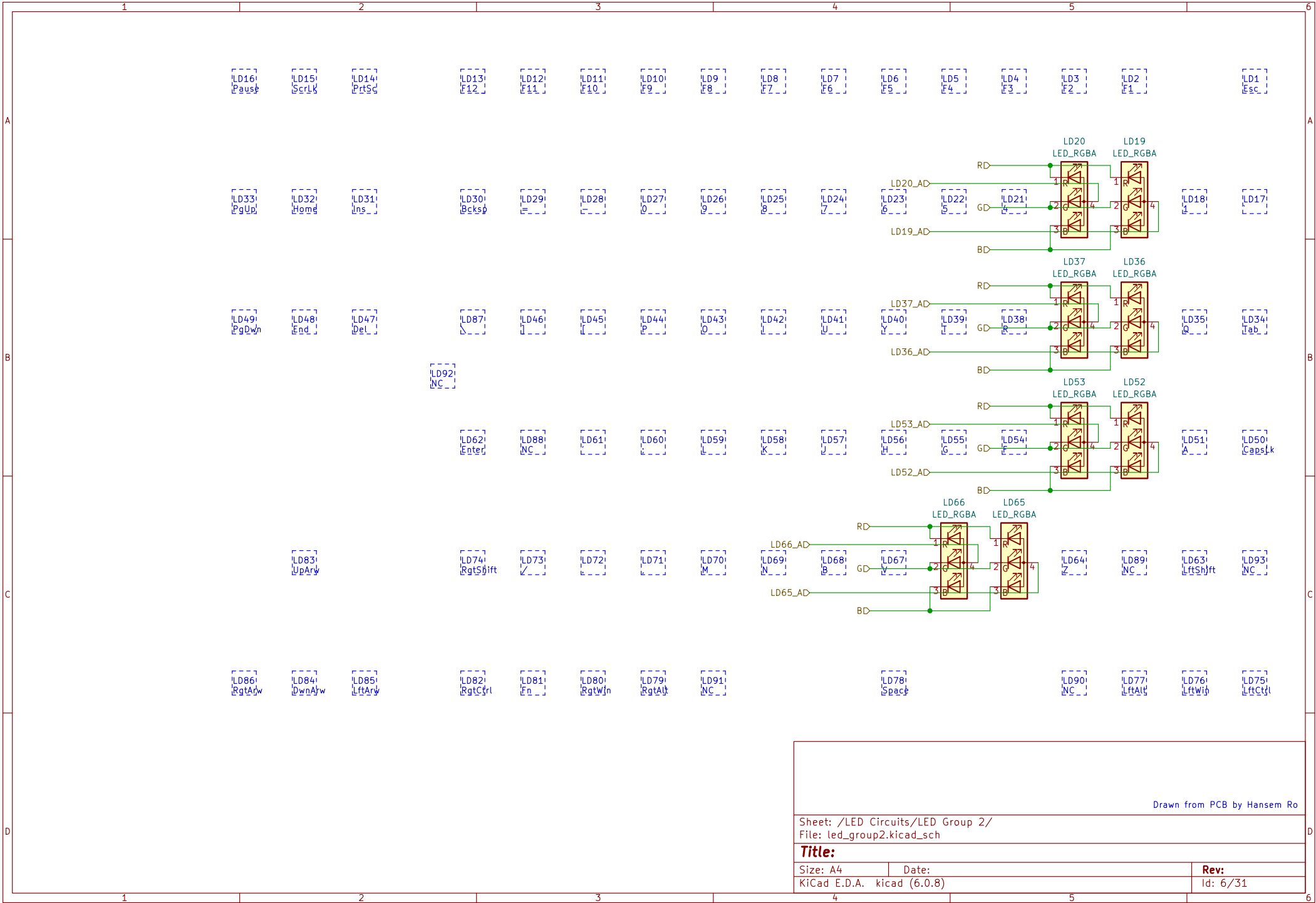
Date:

KiCad E.D.A. kicad (6.0.8)

Rev:

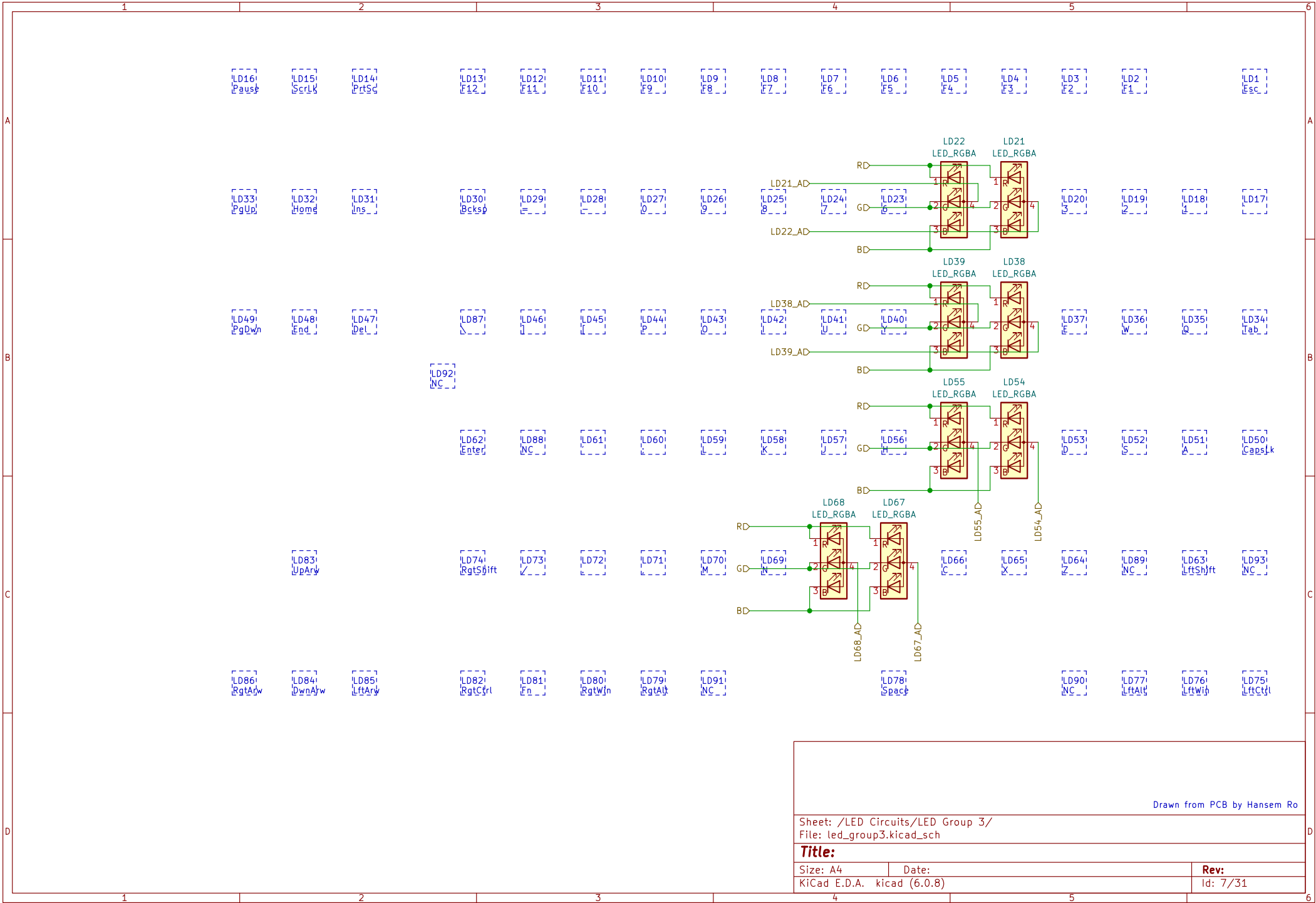
Id: 4/31





Drawn from PCB by Hansem Ro

Sheet: /LED Circuits/LED Group 2/ File: led_group2.kicad_sch		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad (6.0.8)		Id: 6/31

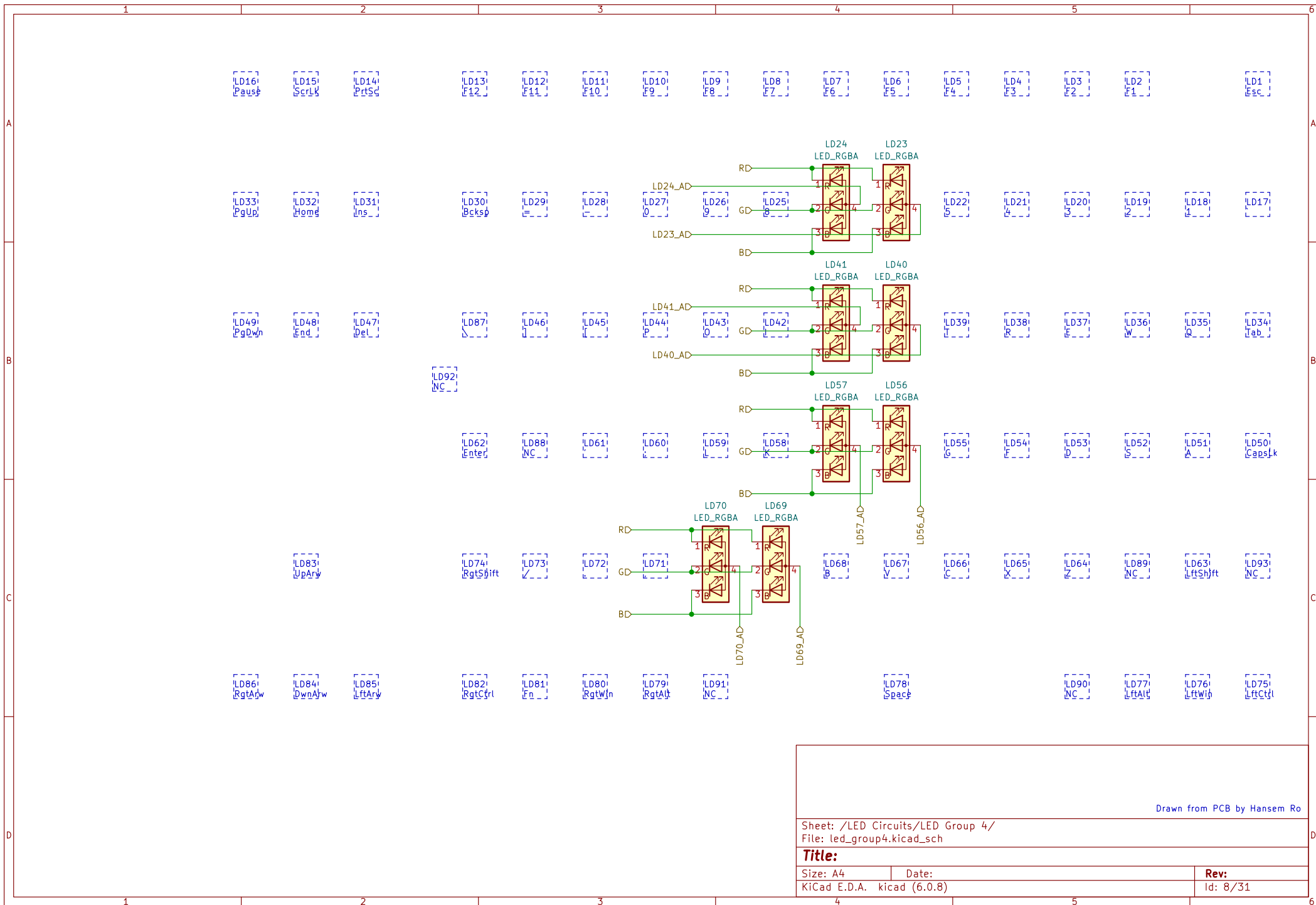


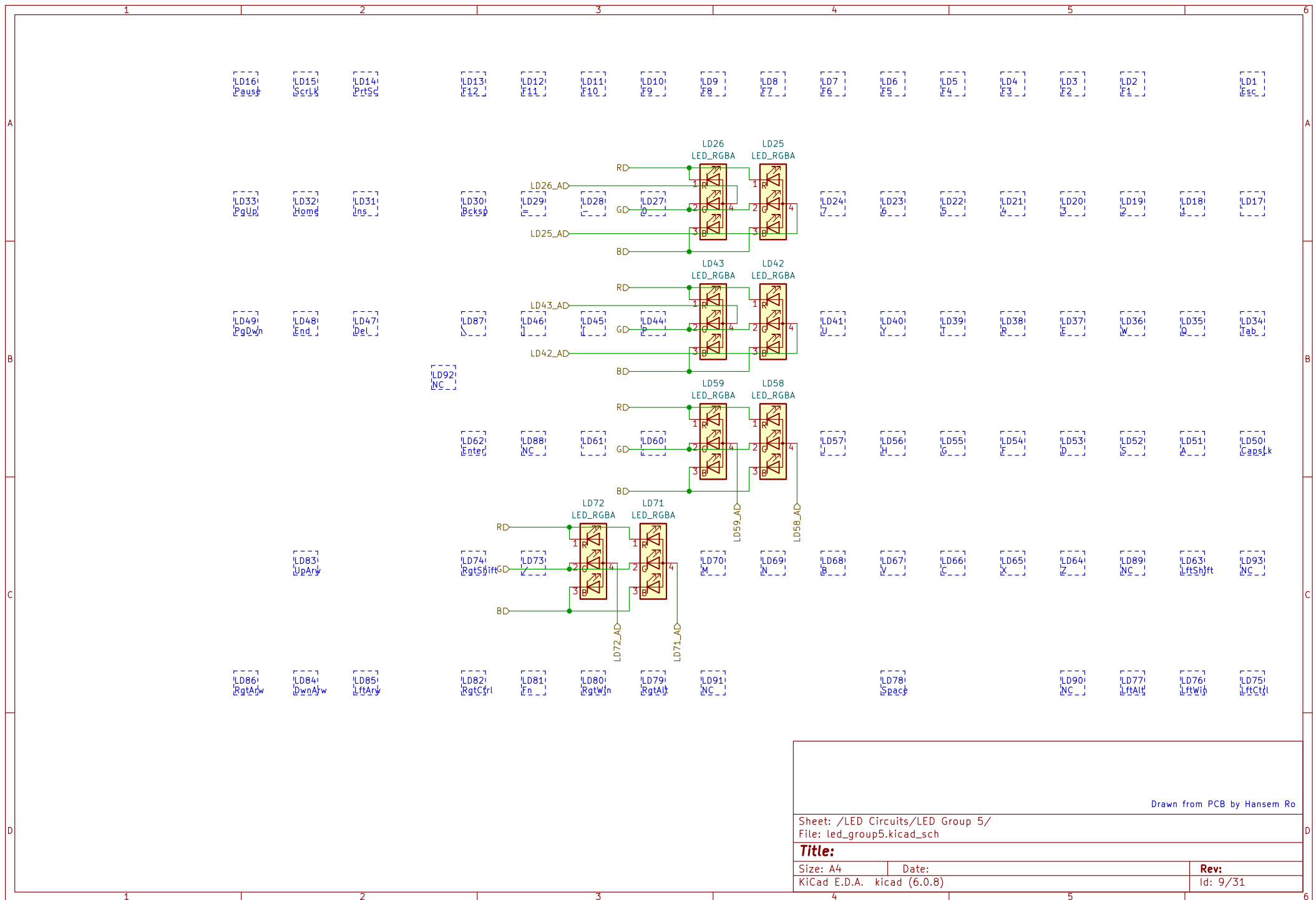
Drawn from PCB by Hansem Ro

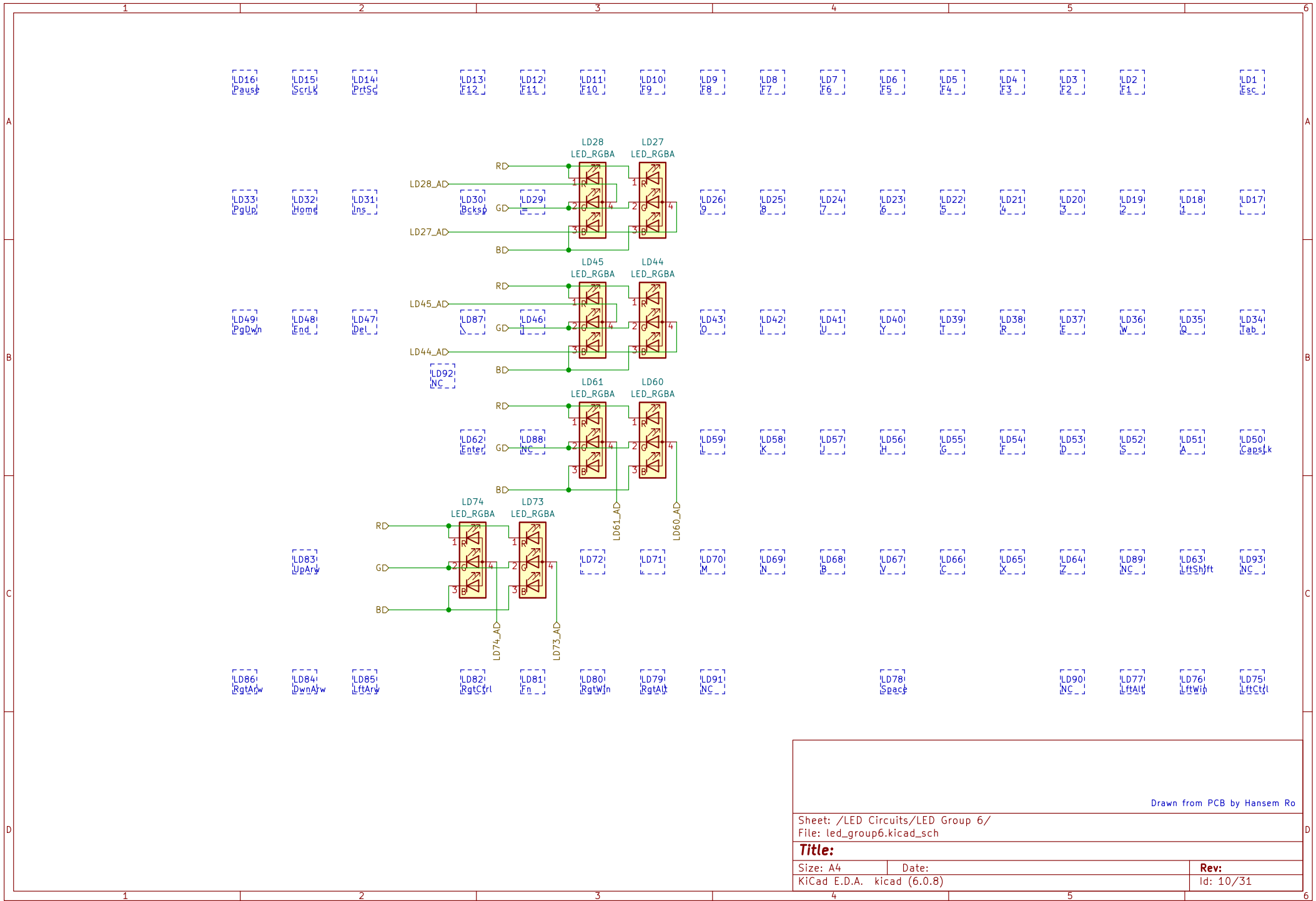
Sheet: /LED Circuits/LED Group 3/
File: led_group3.kicad_sch

Title:

Size: A4	Date:	Rev:
KiCad E.D.A. kicad (6.0.8)		Id: 7/31







Drawn from PCB by Hansem Ro

Sheet: /LED Circuits/LED Group 6/
File: led_group6.kicad_sch

Title:

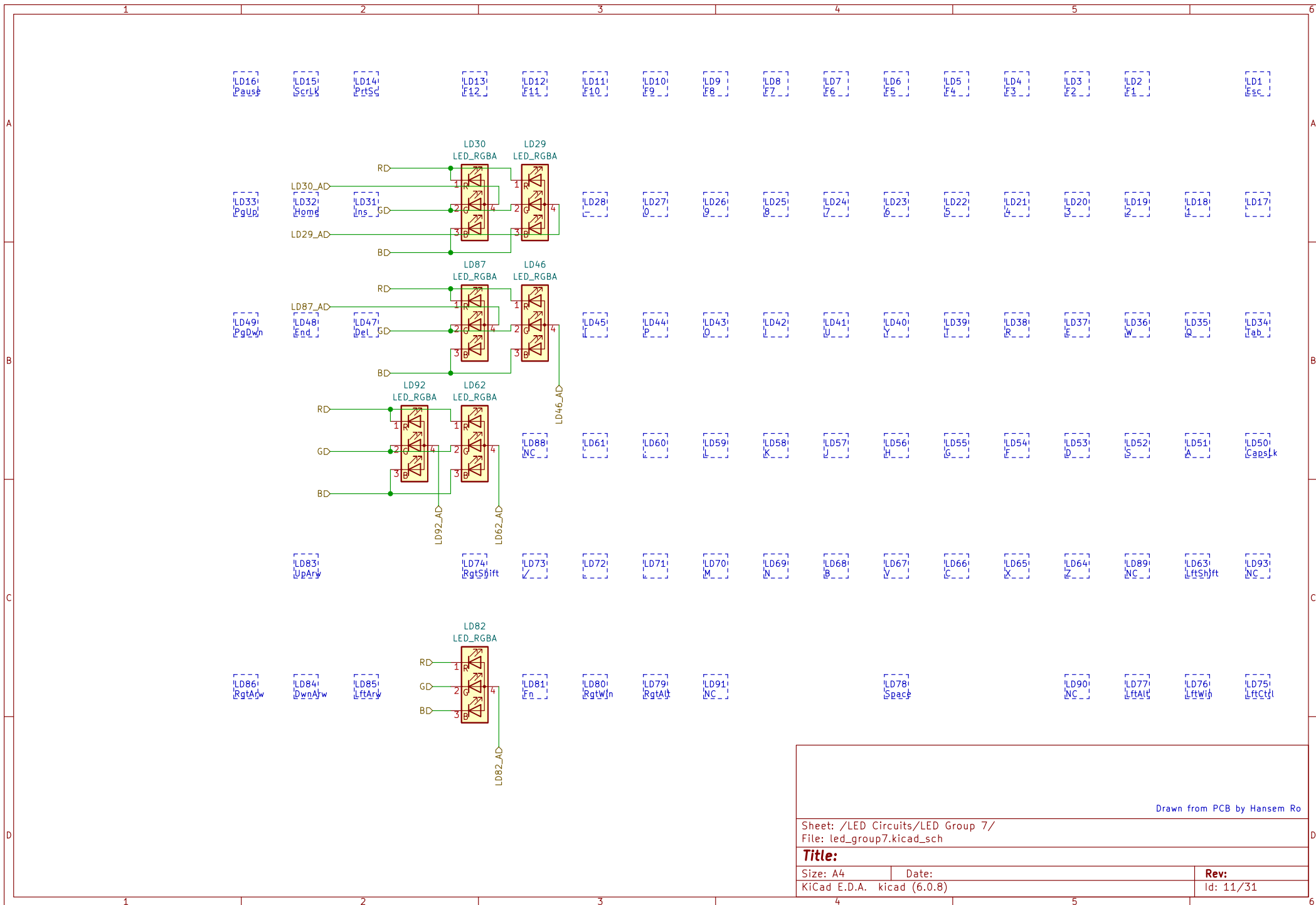
Size: A4

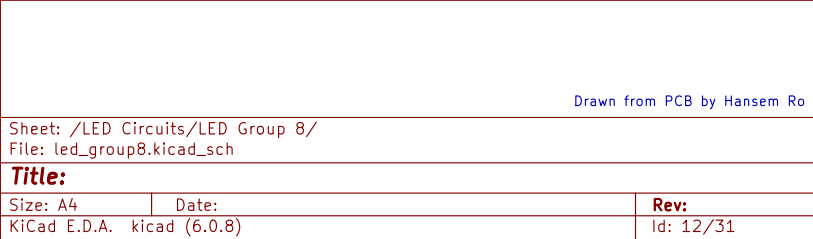
Date:

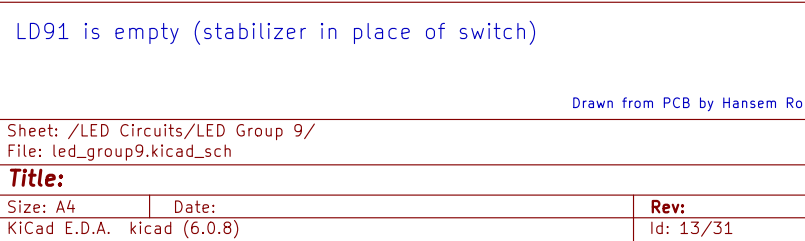
KiCad E.D.A. kicad (6.0.8)

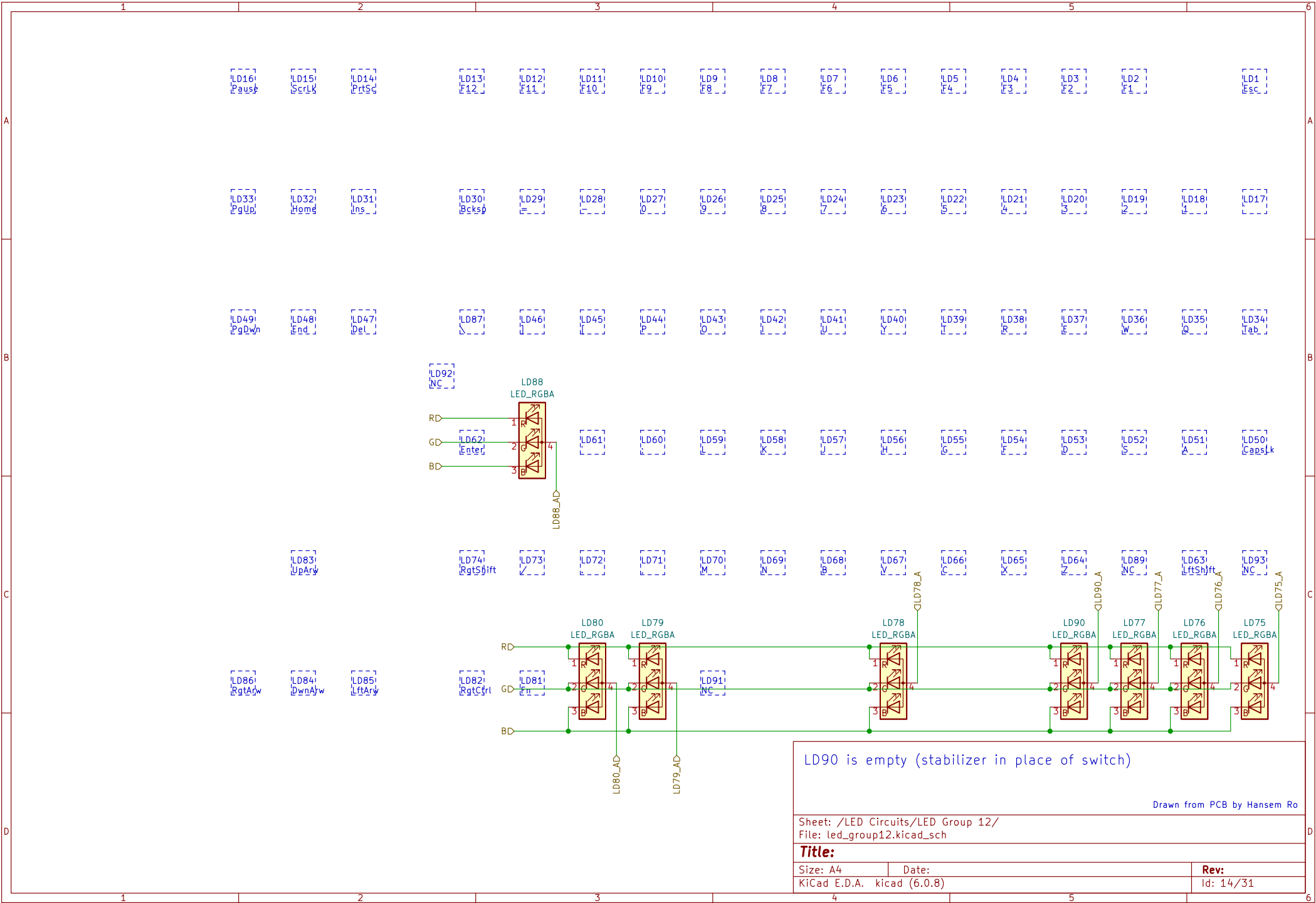
Rev:

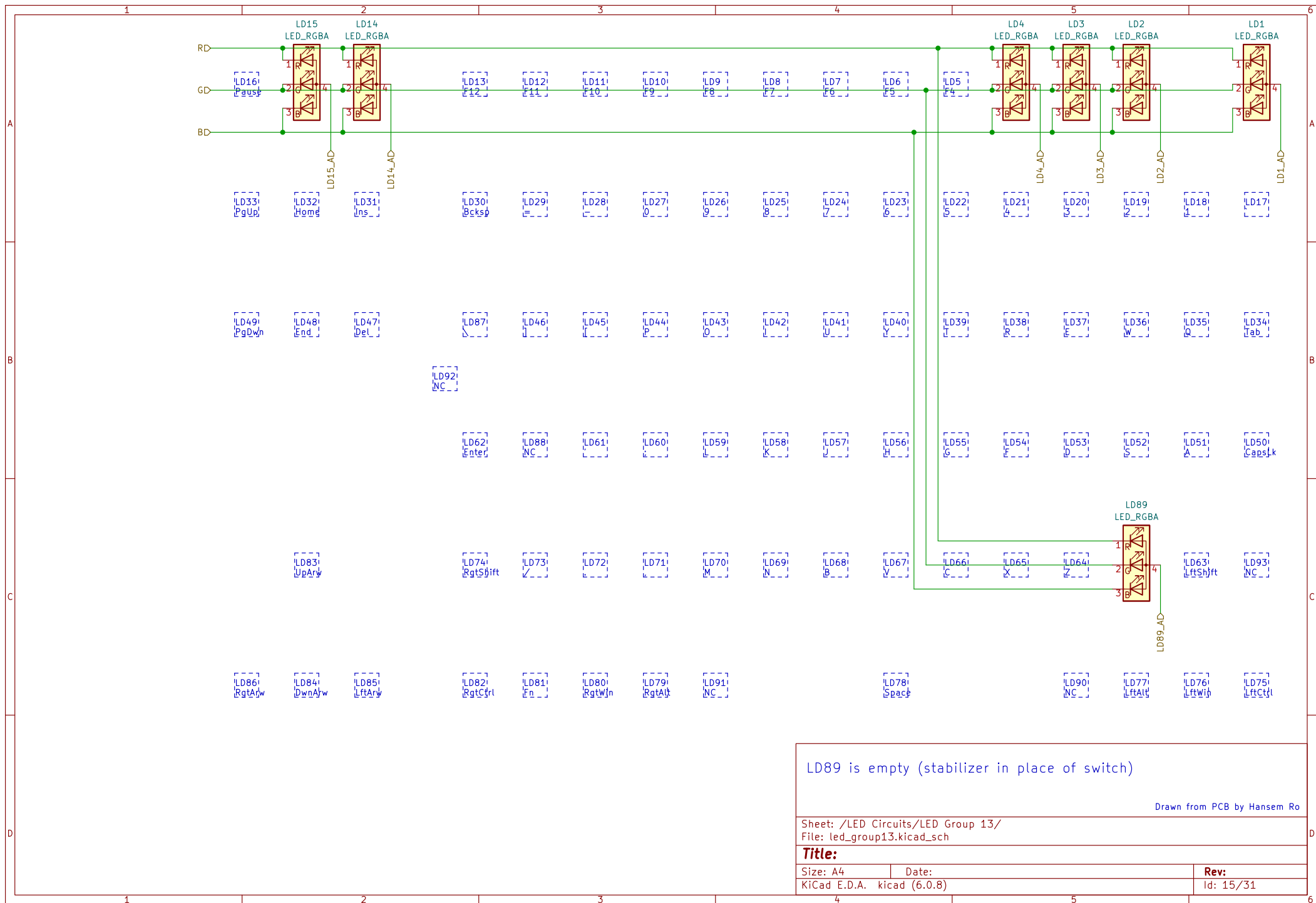
Id: 10/31

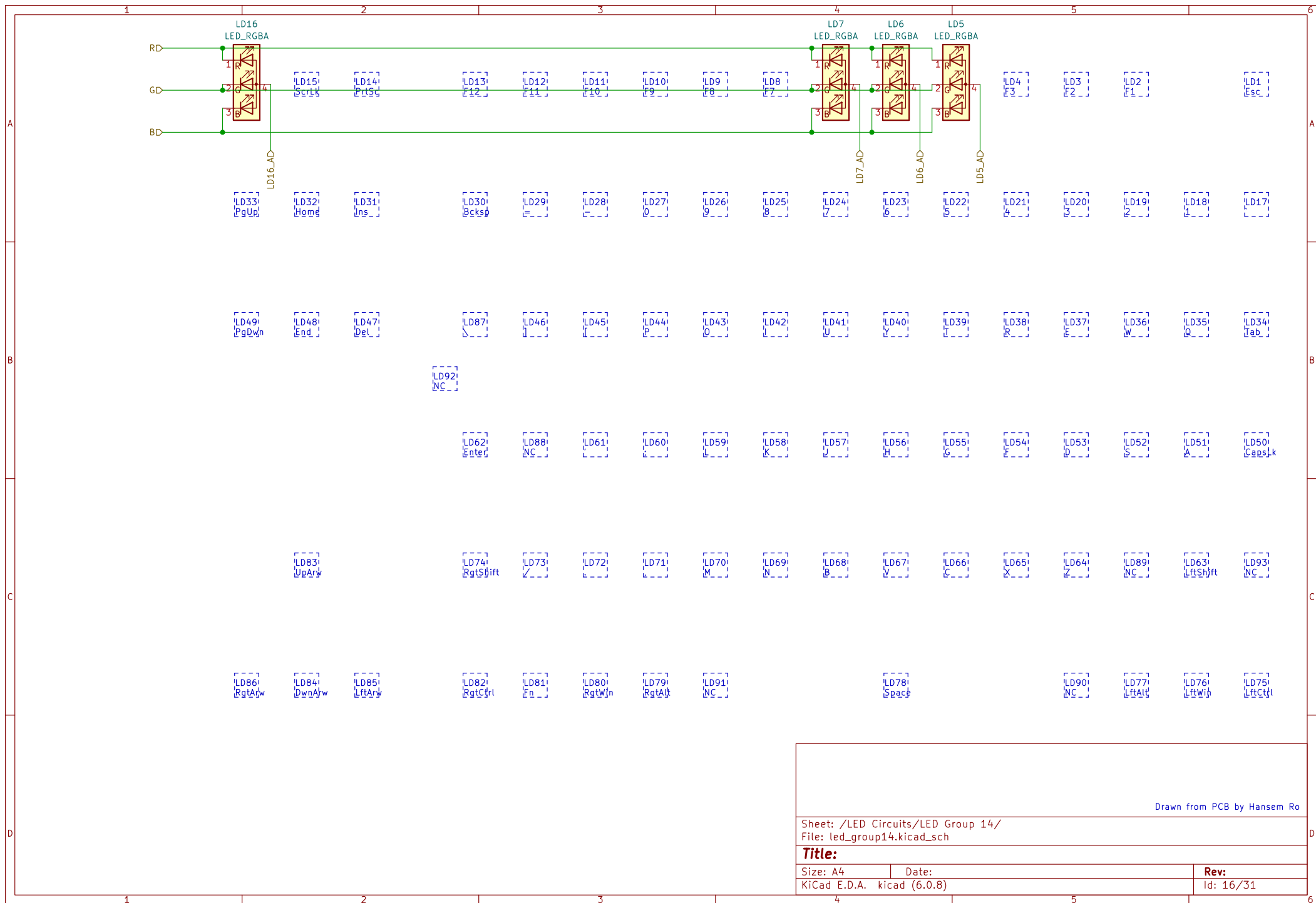


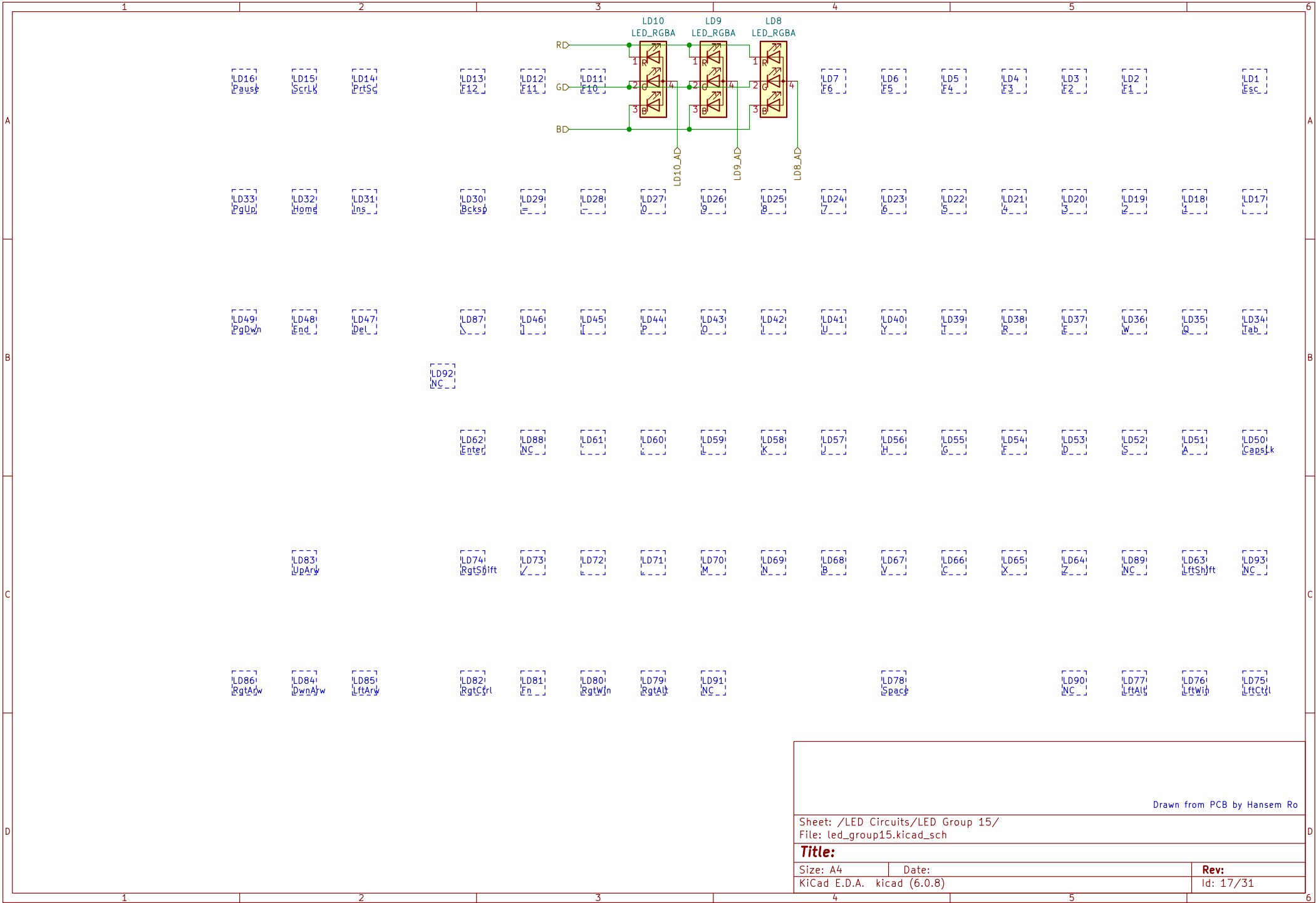






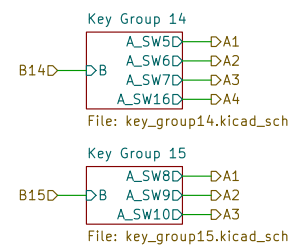
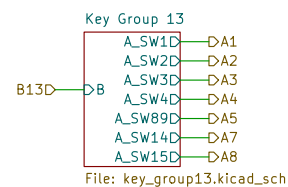
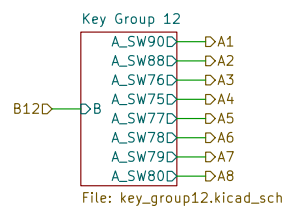
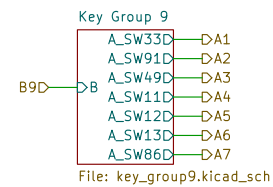
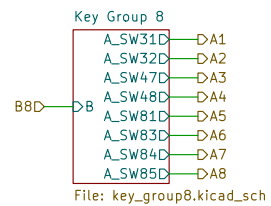
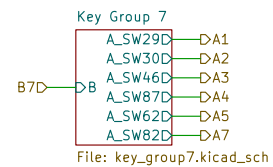
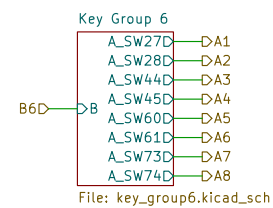
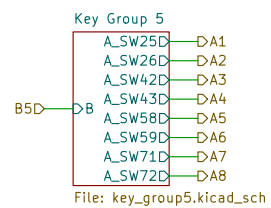
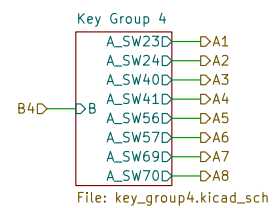
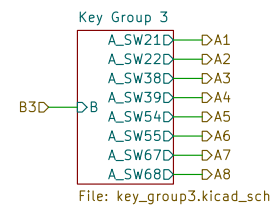
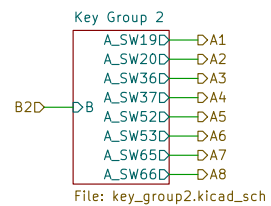
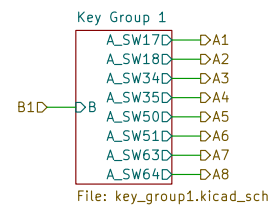






Drawn from PCB by Hansem Ro

Sheet: /LED Circuits/LED Group 15/ File: led_group15.kicad_sch		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad (6.0.8)		Id: 17/31



Unused switch mounts on US Layout:
SW92, SW88, SW93, SW89, SW90, SW91

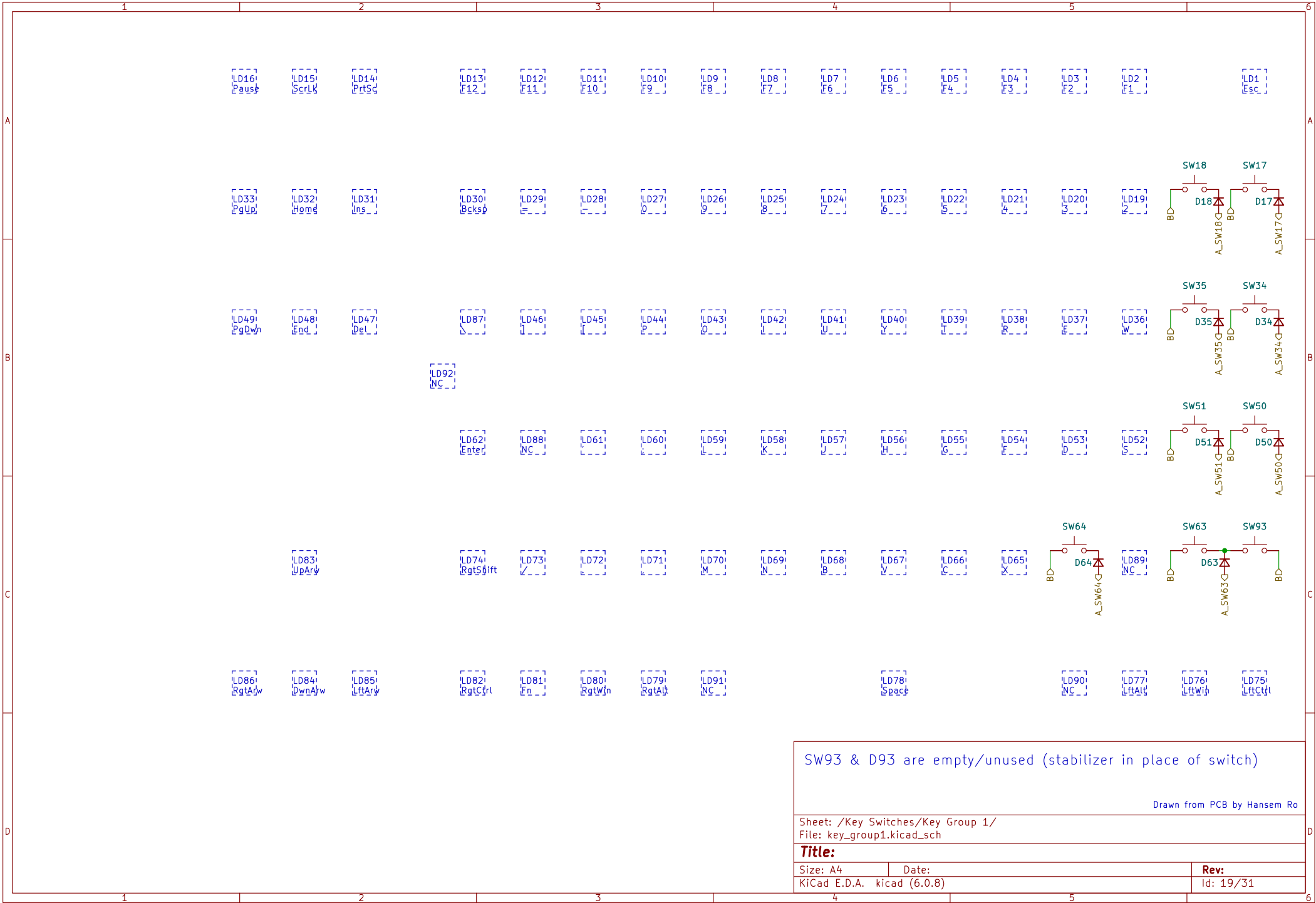
Drawn from PCB by Hansem Ro

Sheet: /Key Switches/
File: key_switches.kicad_sch

Title:

Size: A4	Date:
KiCad E.D.A. kicad (6.0.8)	

Rev: B
Id: 18/31

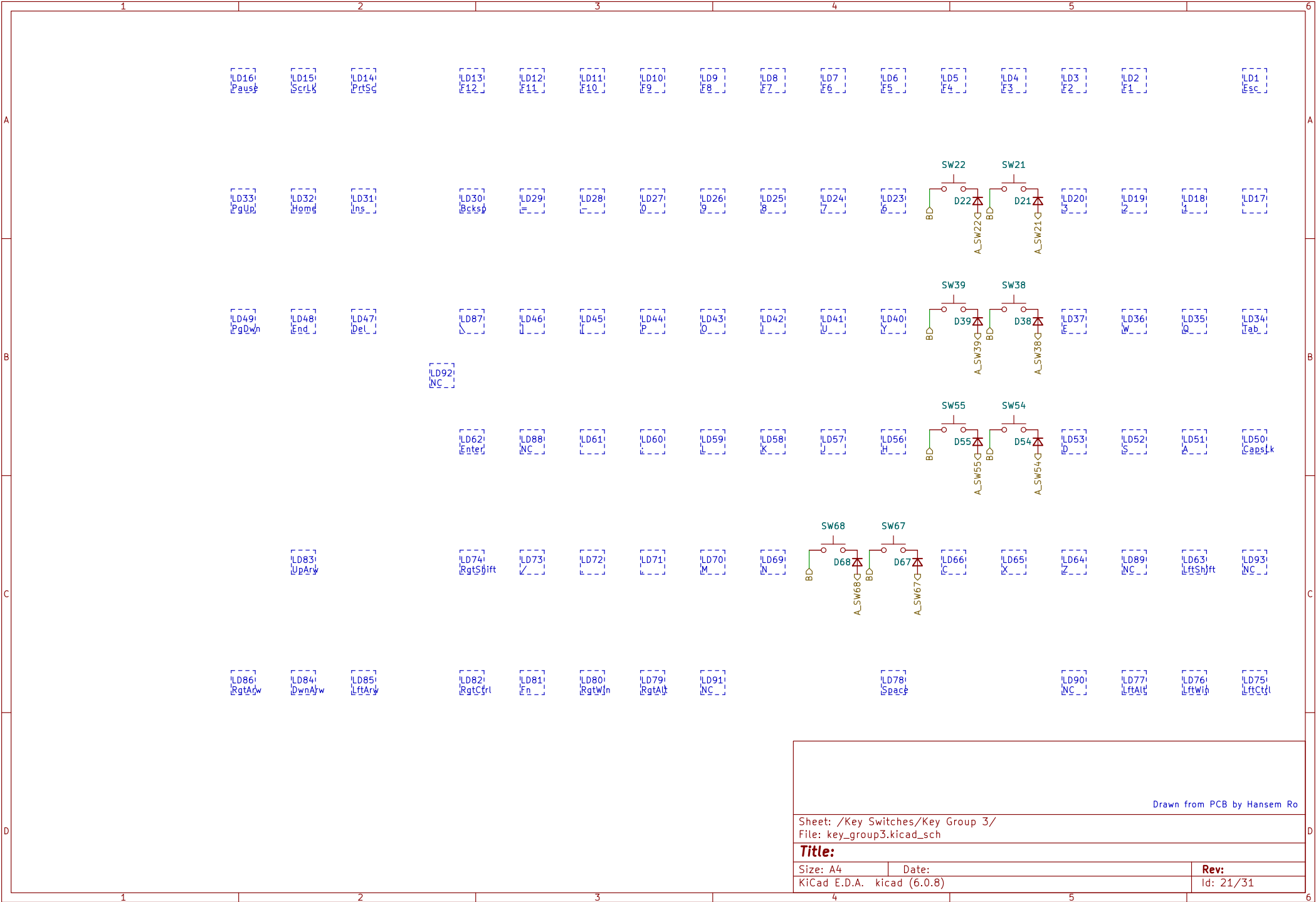


SW93 & D93 are empty/unused (stabilizer in place of switch)

Drawn from PCB by Hansem Ro

Sheet: /Key Switches/Key Group 1/
File: key_group1.kicad_sch

Title:	
Size: A4	Date:
KiCad E.D.A. kicad (6.0.8)	
Rev:	
Id: 19/31	

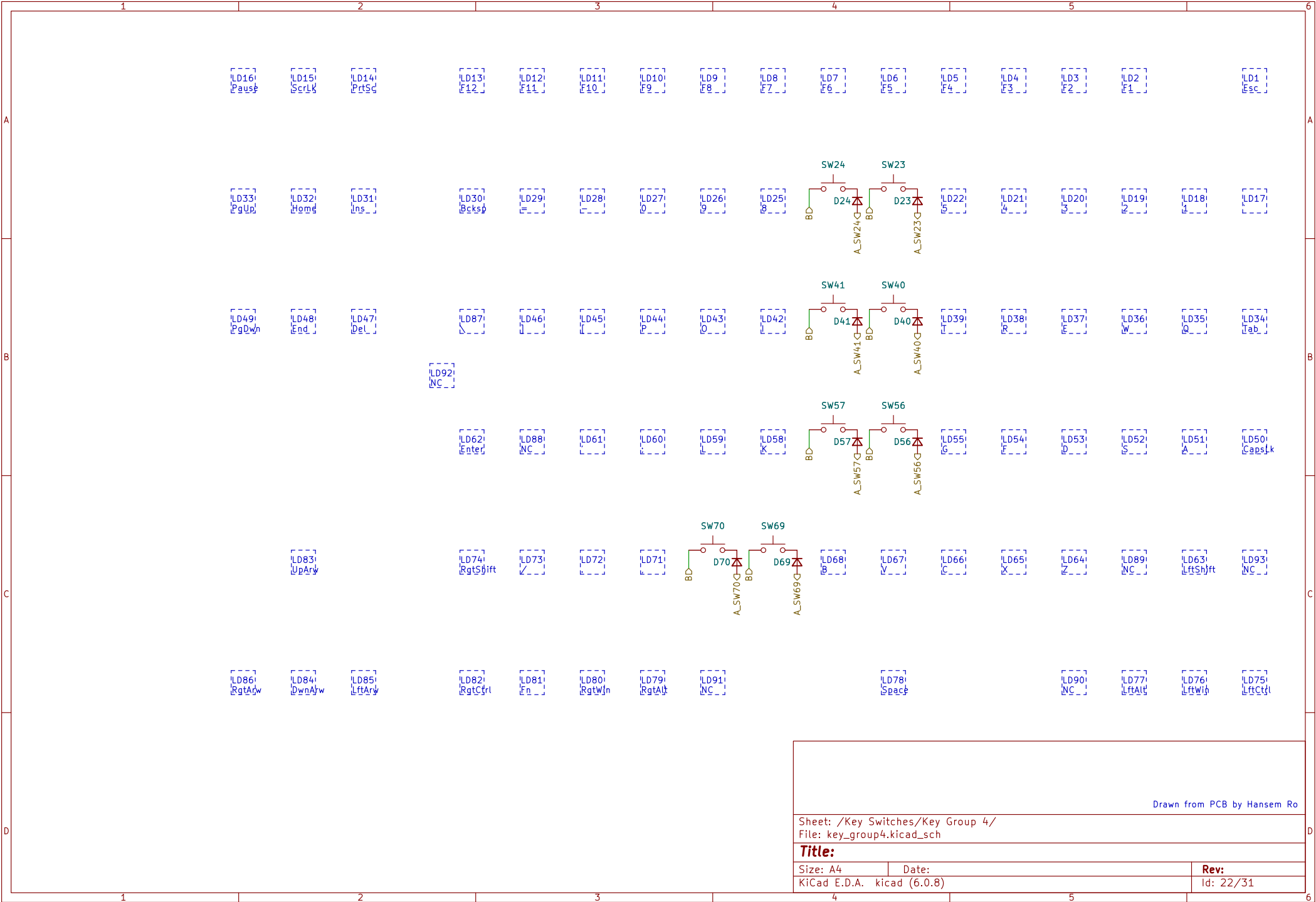


Drawn from PCB by Hansem Ro

Sheet: /Key Switches/Key Group 3/
File: key_group3.kicad_sch

Title:

Size: A4	Date:	Rev:
KiCad E.D.A. kicad (6.0.8)		Id: 21/31

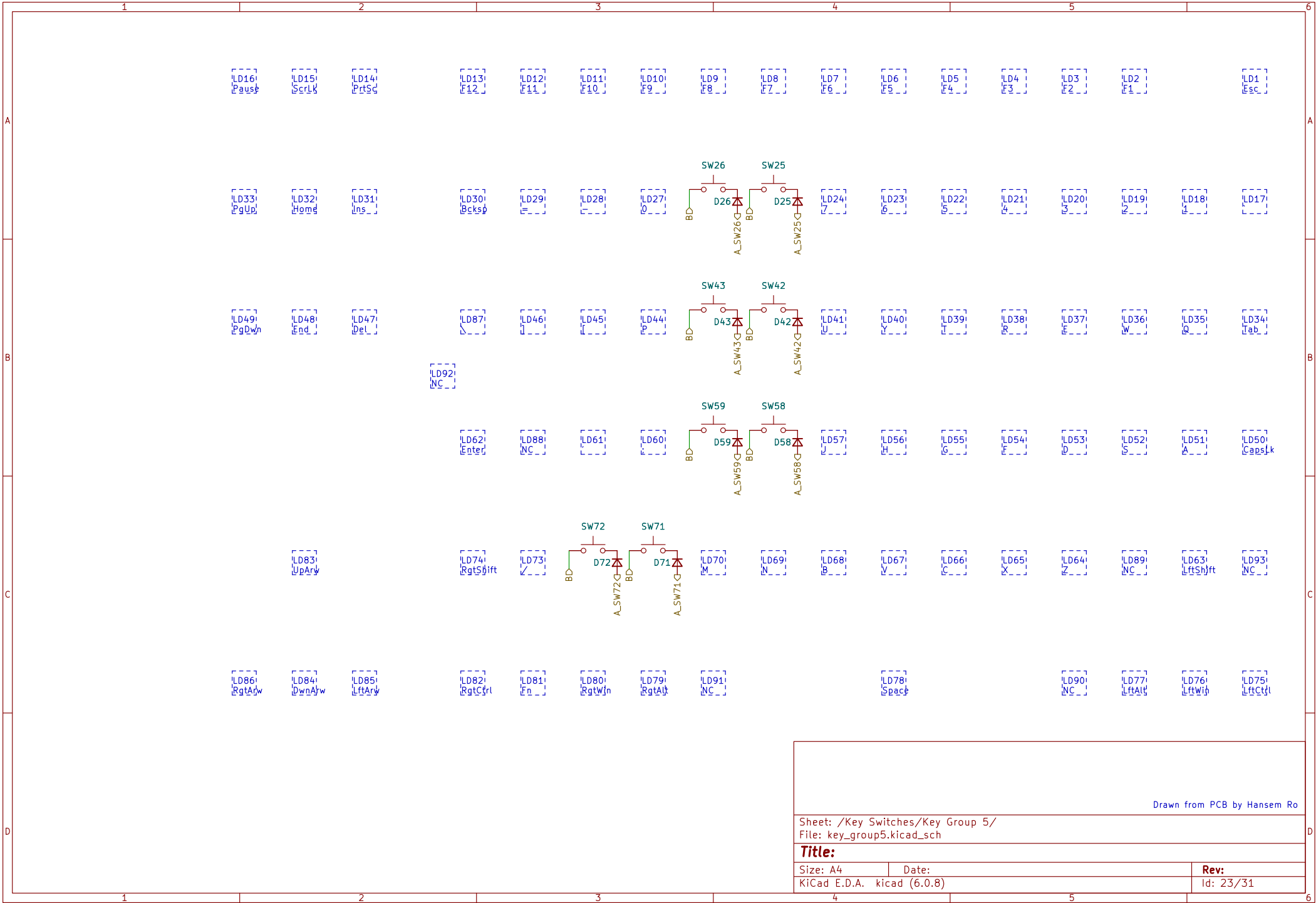


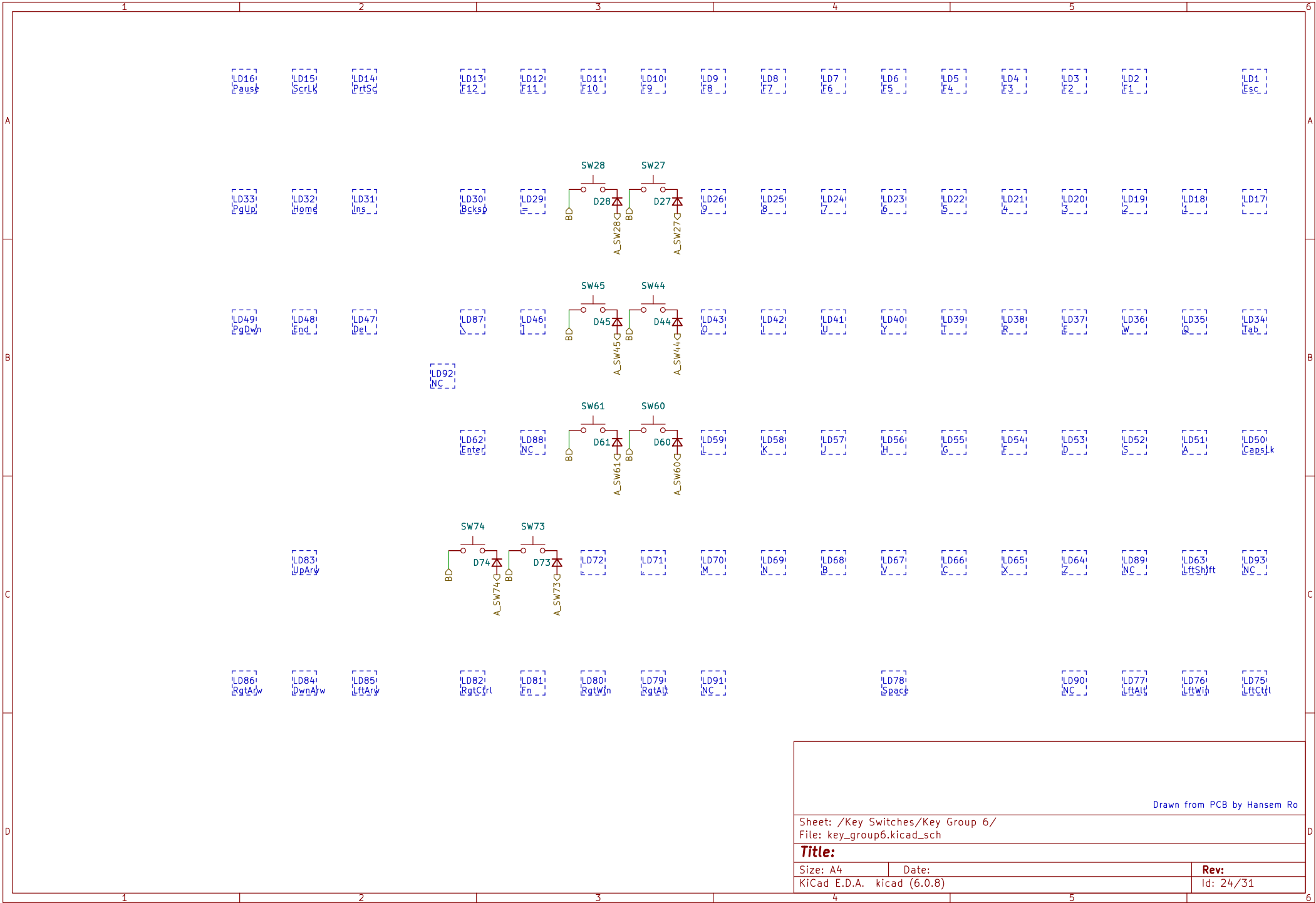
Drawn from PCB by Hansem Ro

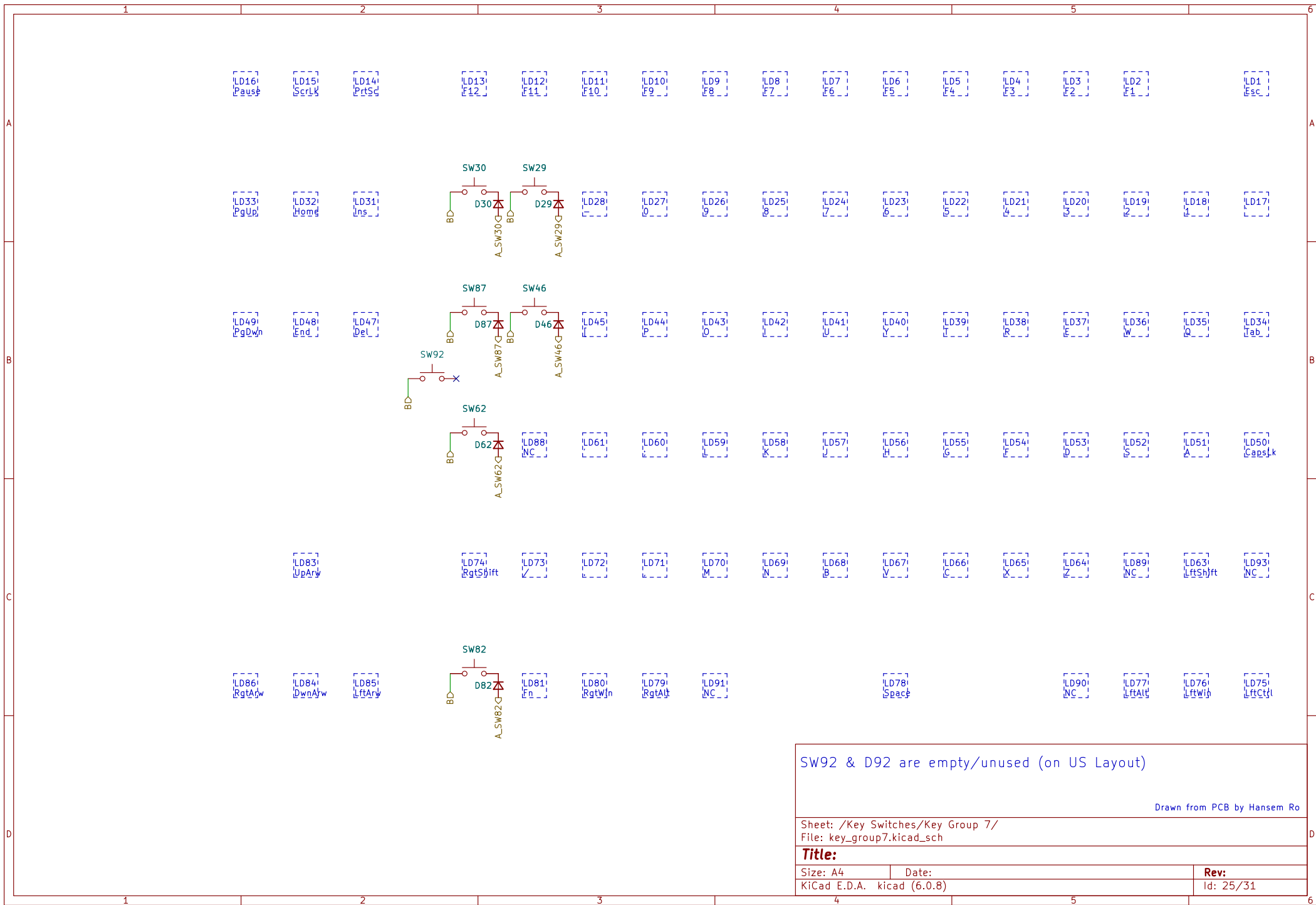
Sheet: /Key Switches/Key Group 4/
File: key_group4.kicad_sch

Title:

Size: A4	Date:	Rev:
KiCad E.D.A. kicad (6.0.8)		Id: 22/31







SW92 & D92 are empty/unused (on US Layout)

Drawn from PCB by Hansem Ro

Sheet: /Key Switches/Key Group 7/
File: key_group7.kicad_sch

Title:

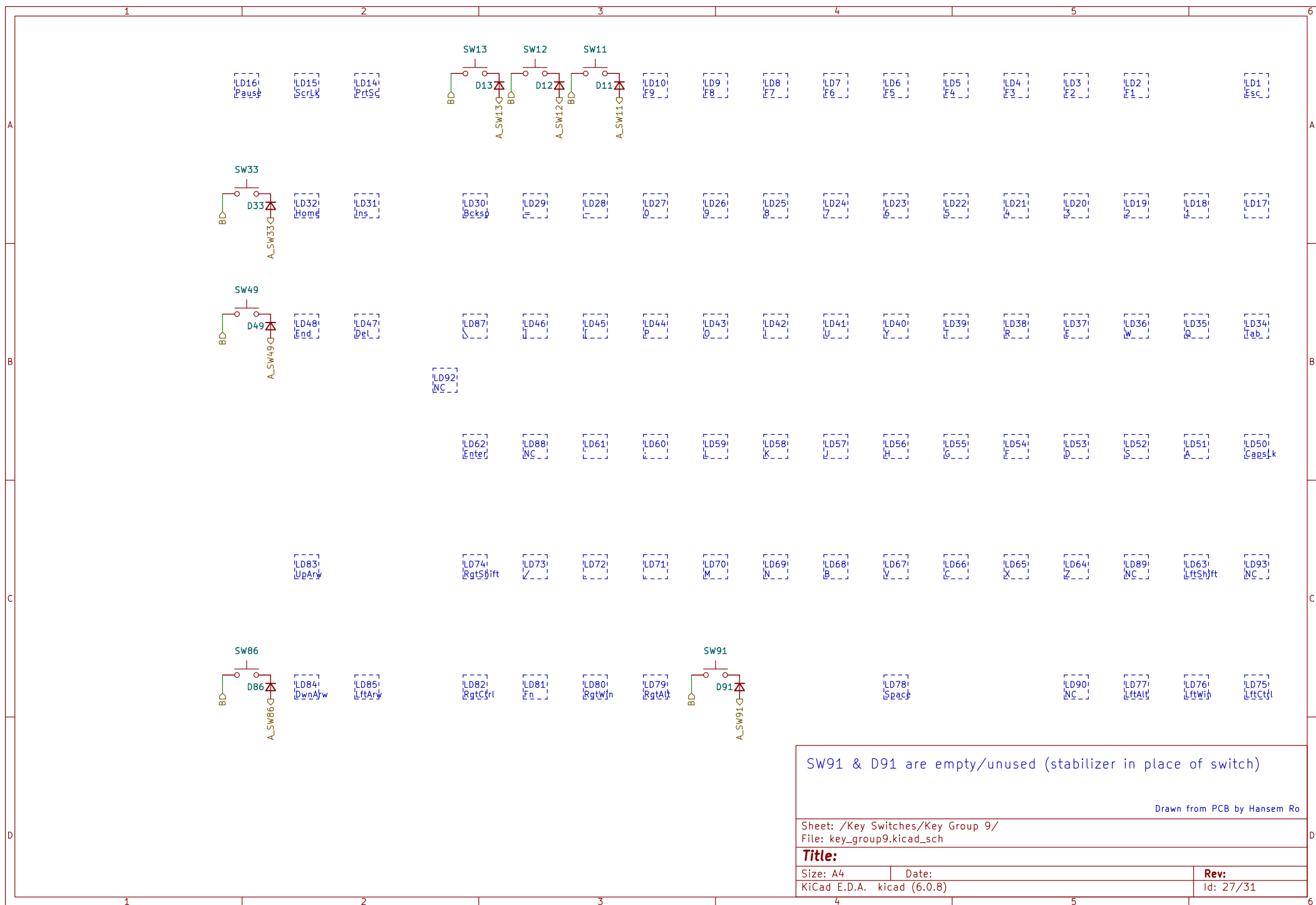
Size: A4

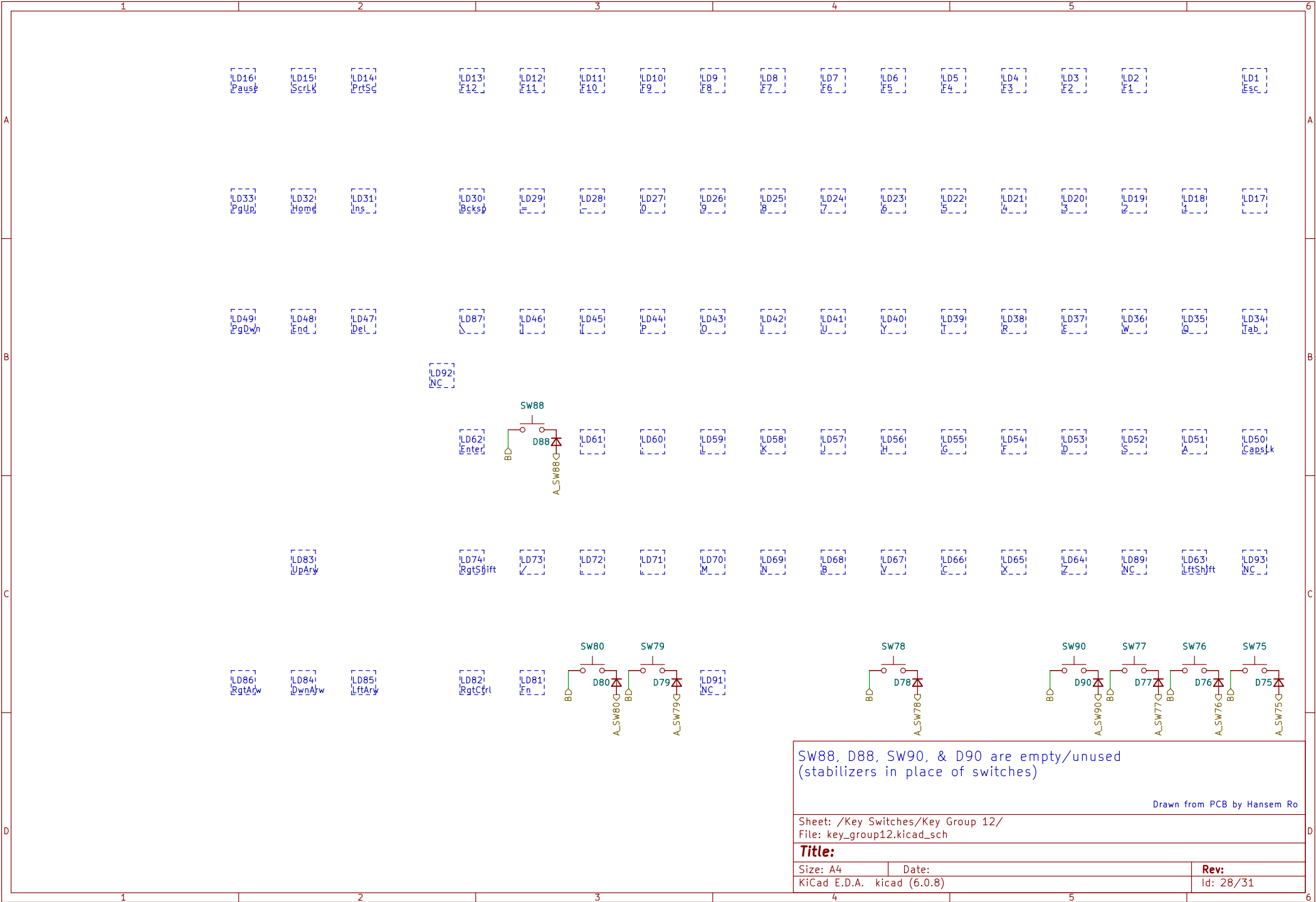
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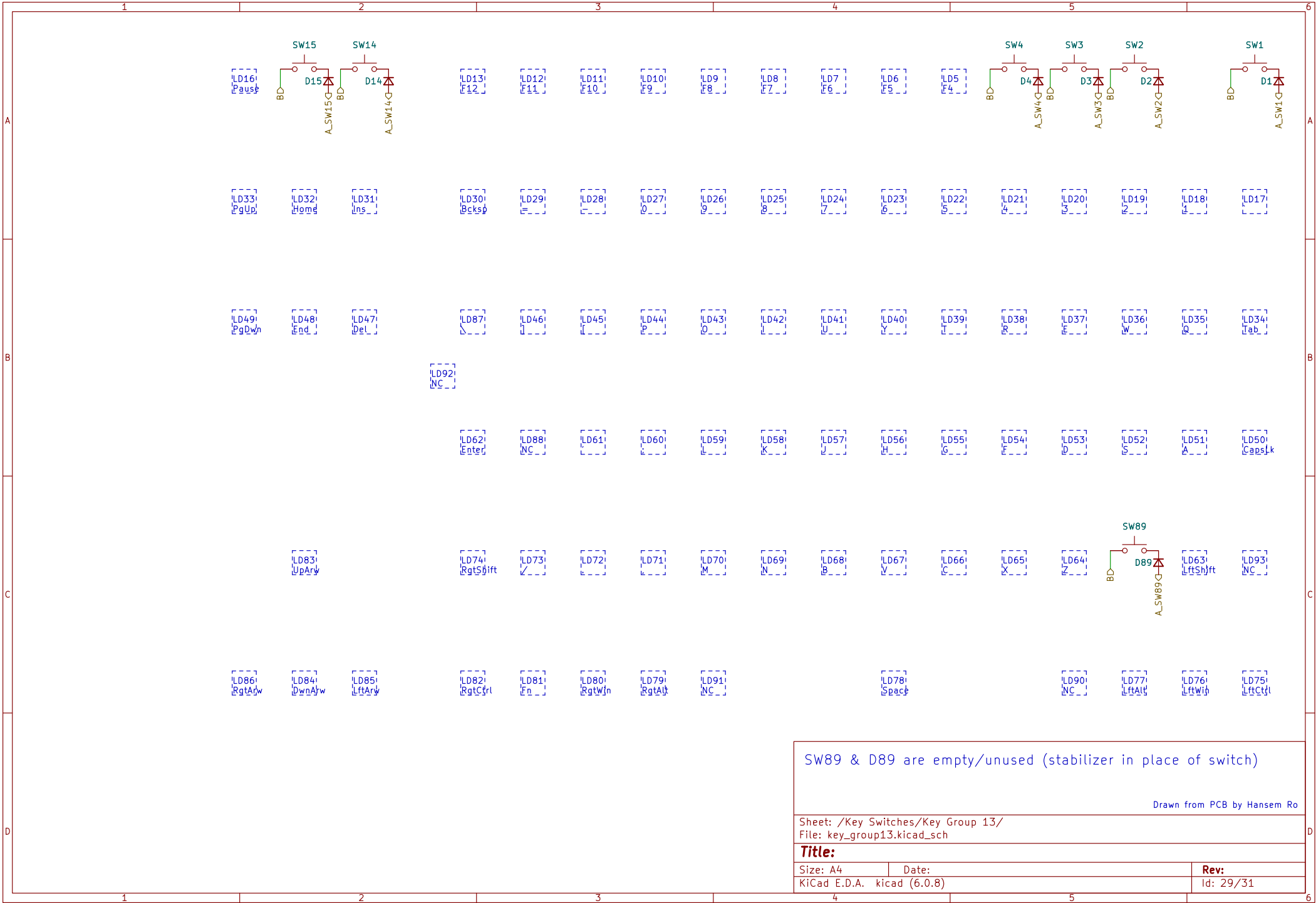
KiCad E.D.A. kicad (6.0.8)

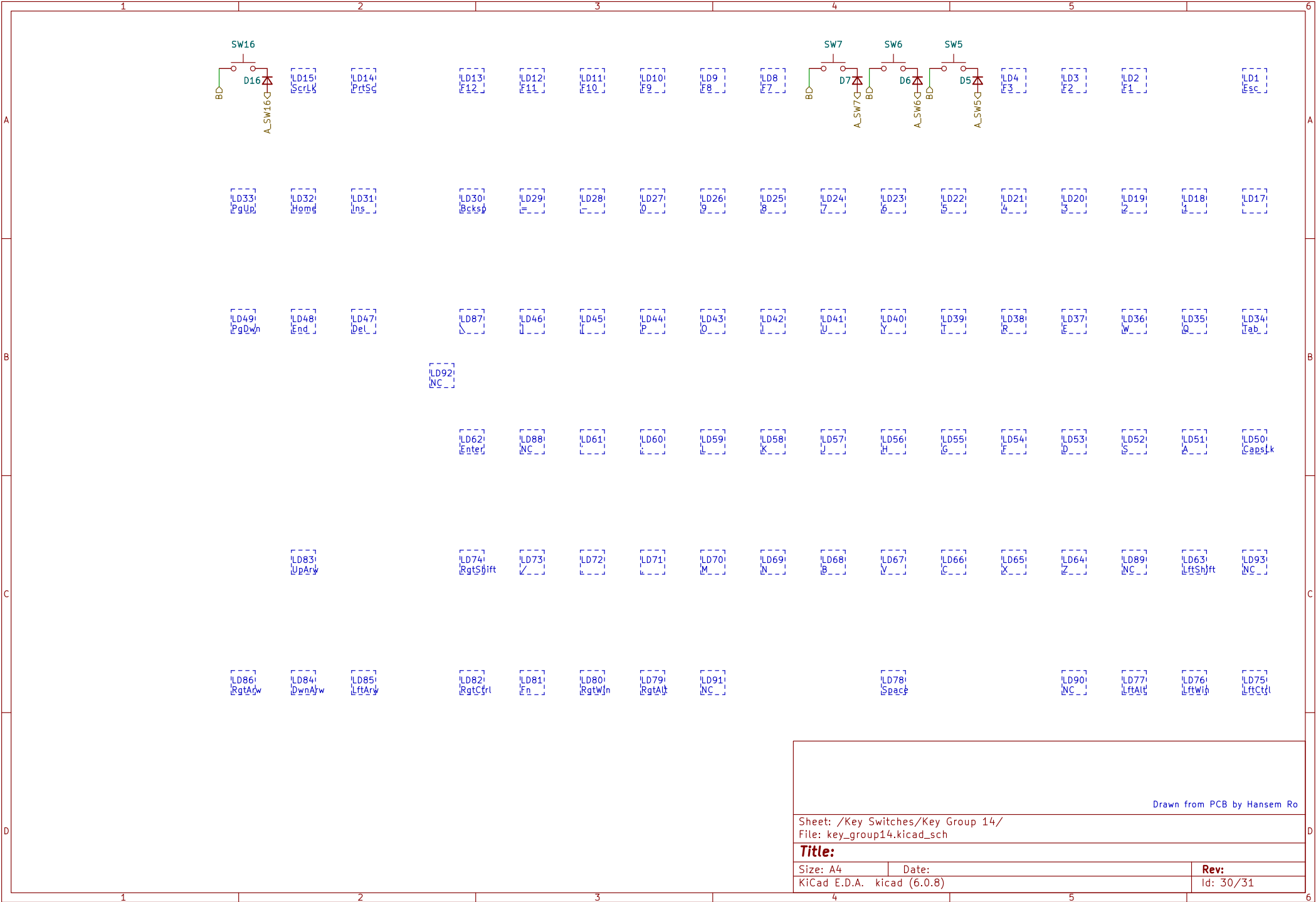
Rev:

Id: 25/31









Drawn from PCB by Hansem Ro

Sheet: /Key Switches/Key Group 14/
File: key_group14.kicad_sch

Title:

Size: A4

Date:

KiCad E.D.A. kicad (6.0.8)

Rev:

Id: 30/31

