

Gear Display Board

Block Diagram

Power Supply



File: psu.kicad_sch

Mechanical



File: mechanical.kicad_sch

Revision History



File: rev_history.kicad_sch

USB



File: usb.kicad_sch

J1
1x04

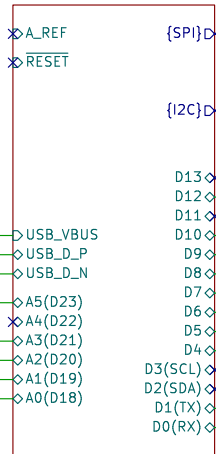


Brightness Control



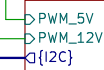
File: buttonui.kicad_sch

MCU



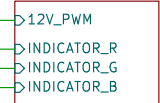
File: main.kicad_sch

Interfaces



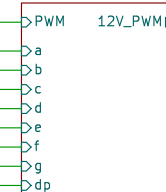
File: interfaces2.kicad_sch

Shift Indicator



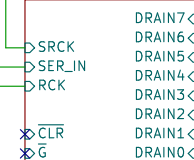
File: indicators.kicad_sch

7-Segment Display



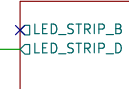
File: 7seg_display.kicad_sch

LED Driver 3



File: led_driver.kicad_sch

RPM Bar



File: rpm_bar.kicad_sch

J2
1x04



Size	Title, Supplementary title		Revision
A4	Gear Display Board		2.0
Kallio Designs Oy		Sheet name	Page 1/12
		Designer	Date of Issue
		Teemu Latonen	2023-01-05
		PCB part number	Assembly part number
		000065	000064

1

2

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6

7

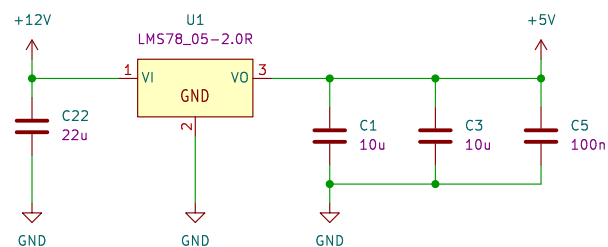
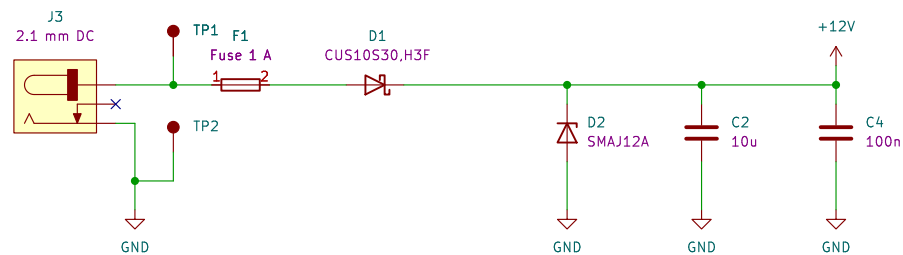
A

B

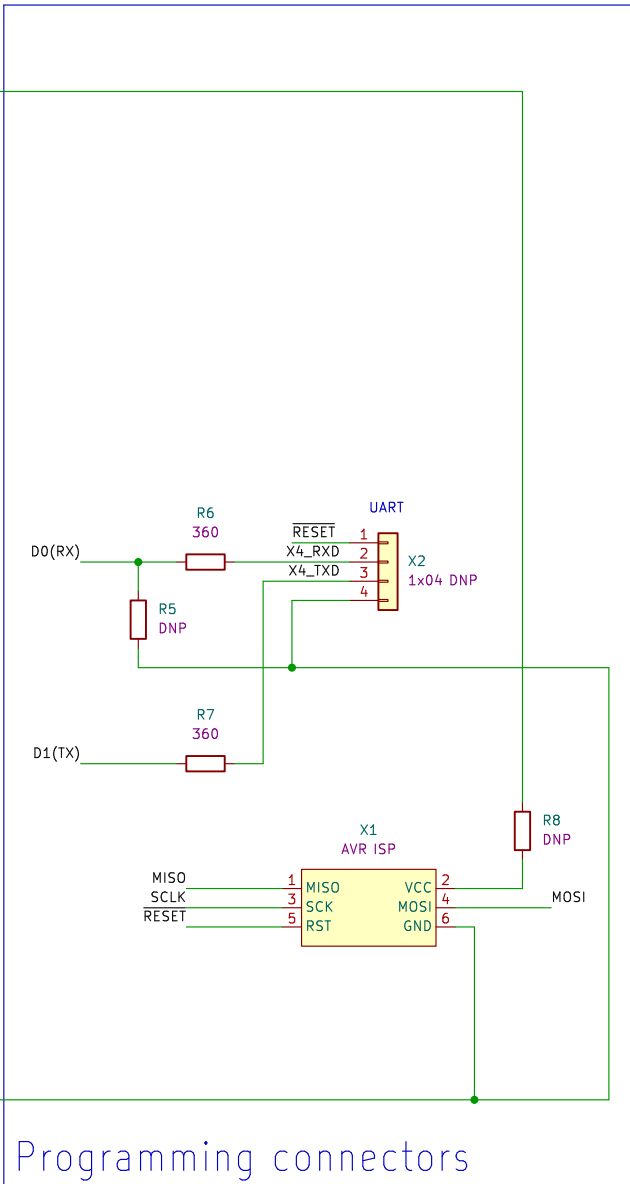
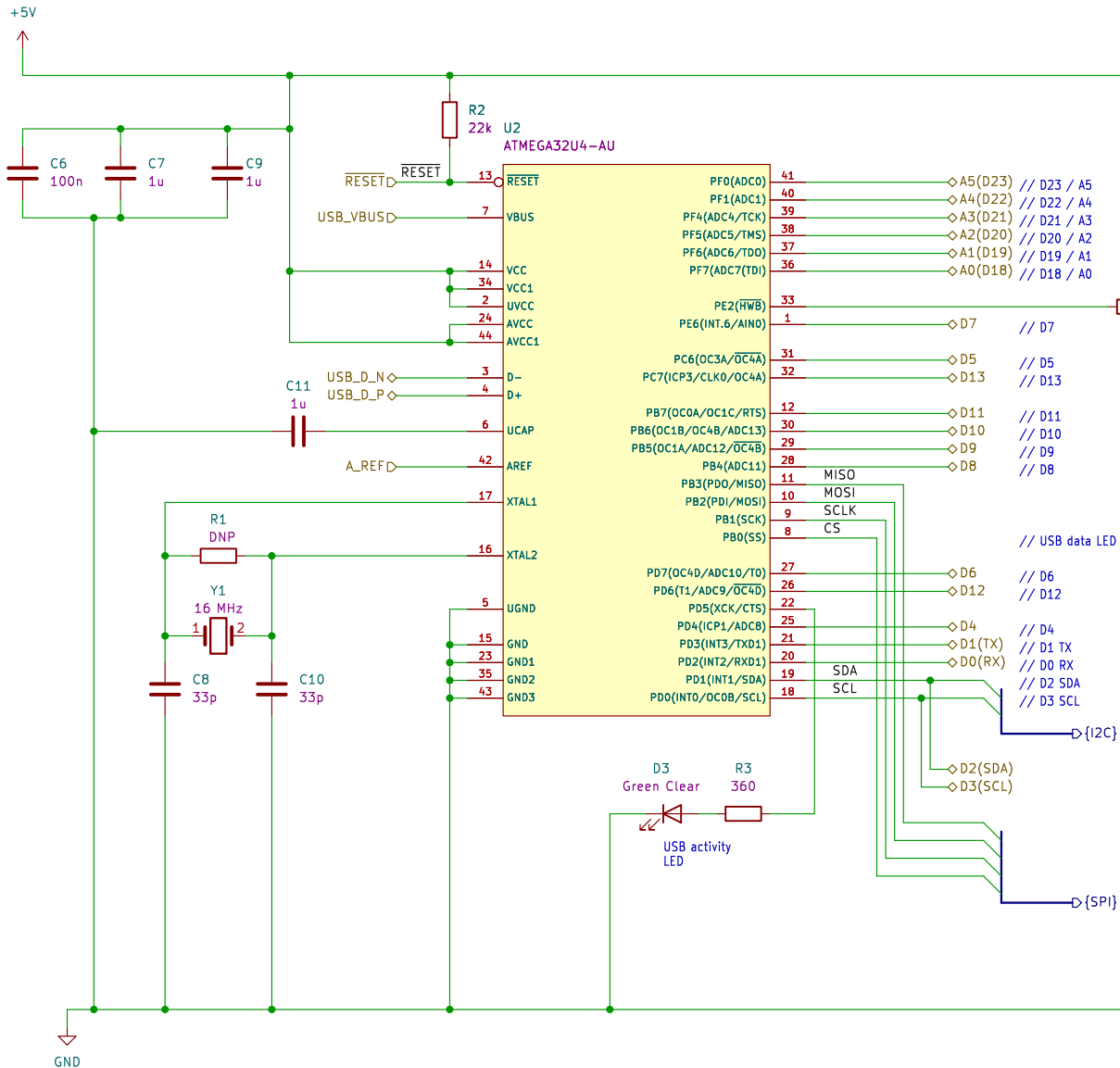
C

D

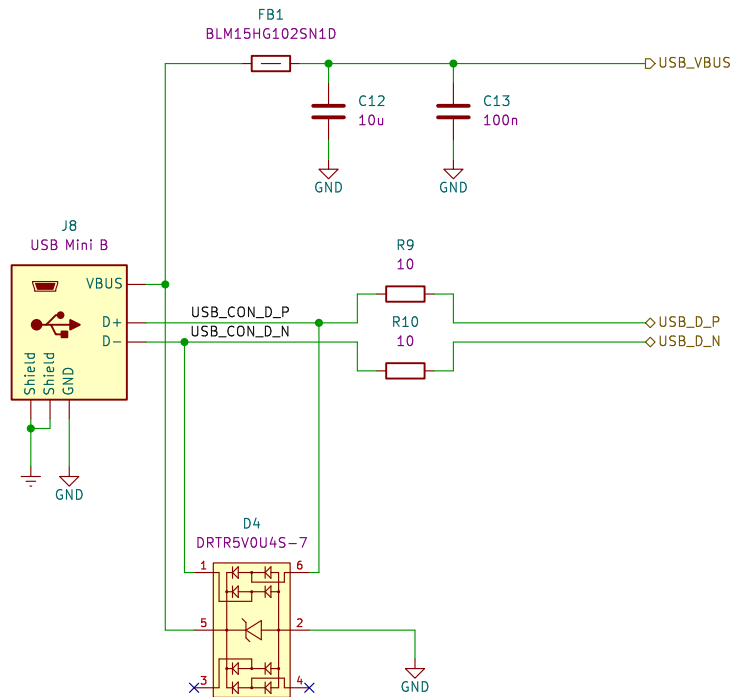
E



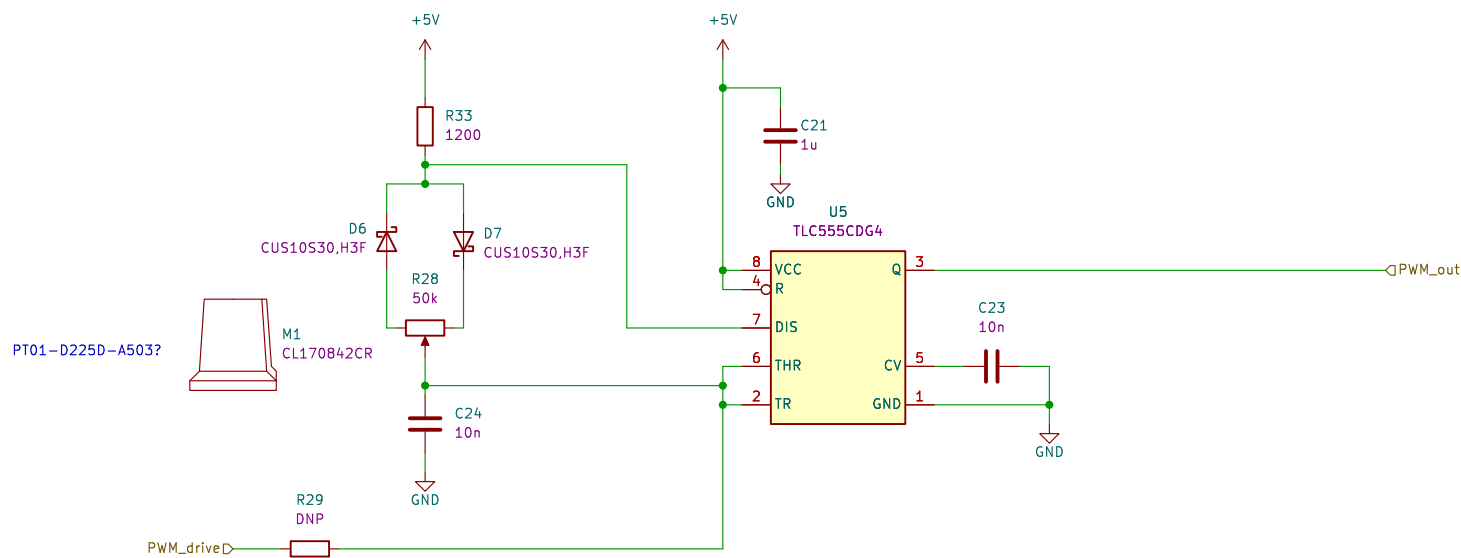
Size	Title, Supplementary title		Revision
A4	Gear Display Board		2.0
Kallio Designs Oy		Sheet name	Power Supply
		Designer	Teemu Latonen
		Date of Issue	2023-01-05
PCB part number		Assembly part number	
000065		000064	



Size	Title, Supplementary title		Revision
A4	Gear Display Board		2.0
Kallio Designs Oy		Sheet name	MCU
		Designer	Teemu Latonen
		Date of Issue	2023-01-05
		PCB part number	000065
		Assembly part number	000064



Size	Title, Supplementary title		Revision
A4	Gear Display Board		2.0
Kallio Designs Oy		Sheet name	Page
		USB	4/12
		Designer	Date of Issue
		Teemu Latonen	2023-01-05
		PCB part number	Assembly part number
		000065	000064



Size	Title, Supplementary title		Revision	
	A4		2.0	
Gear Display Board		Sheet name		Page
		Brightness Control		5/12
Kallio Designs Oy		Designer		Date of Issue
		Teemu Latonen		2023-01-05
		PCB part number		Assembly part number
		000065		000064

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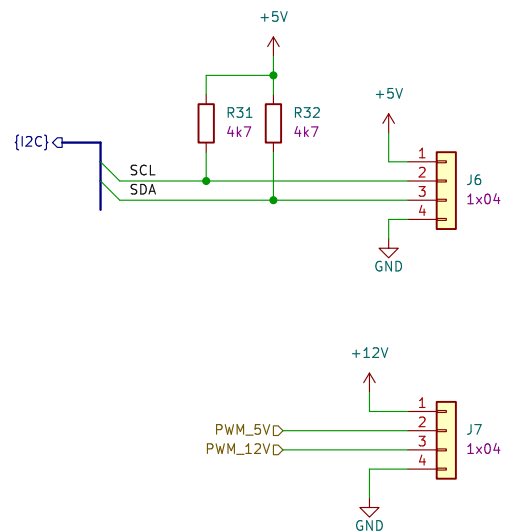
A

B

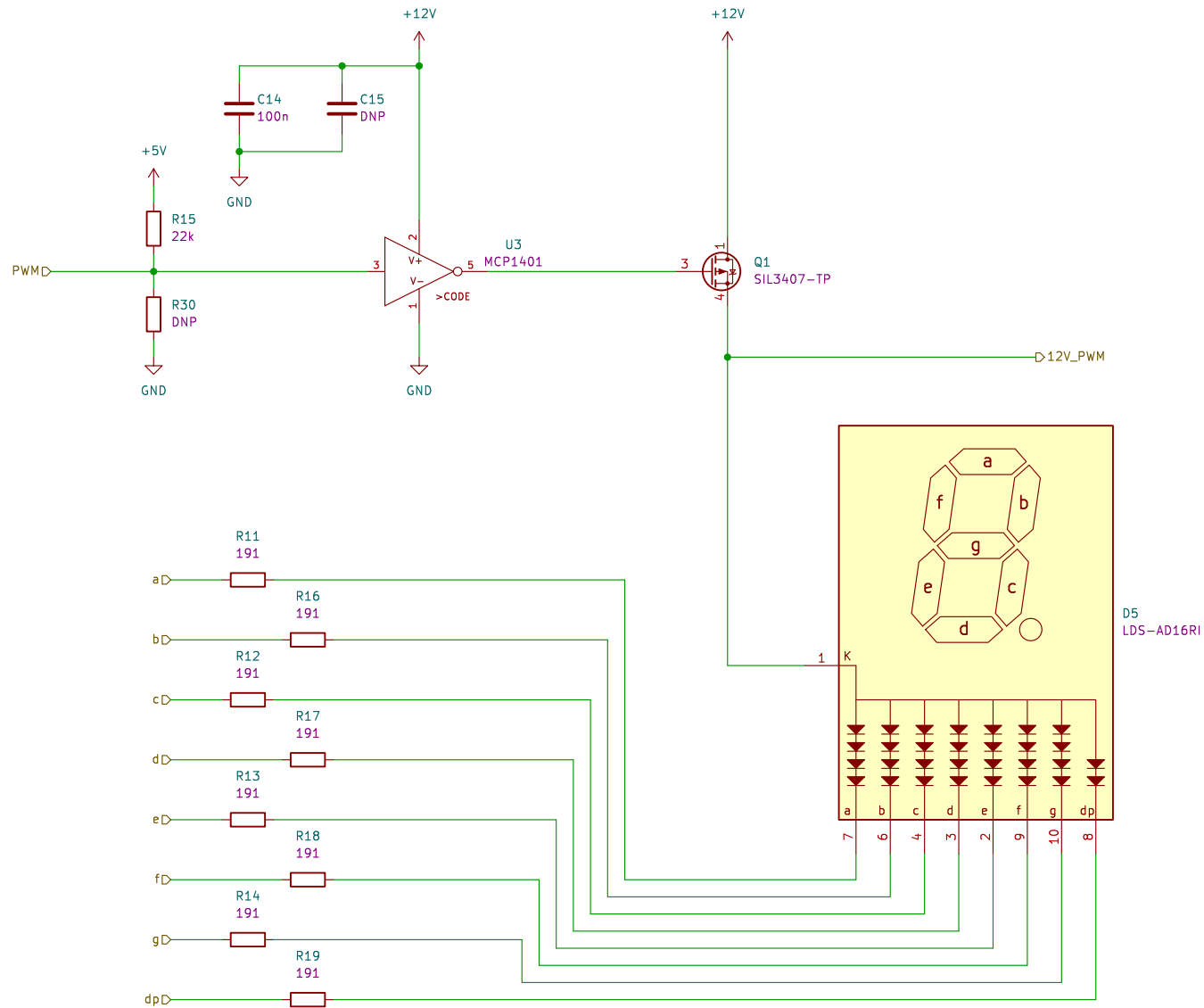
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D

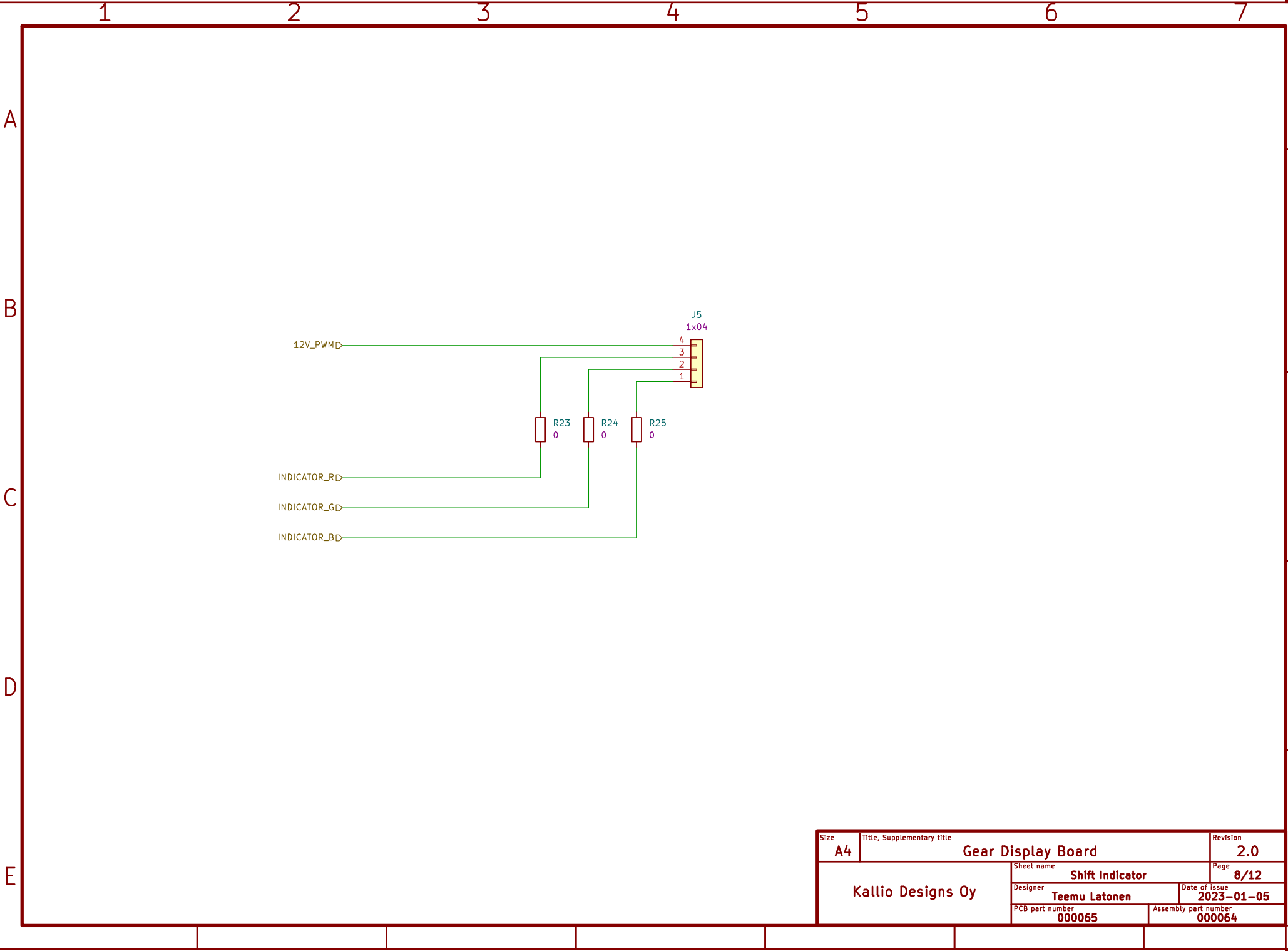
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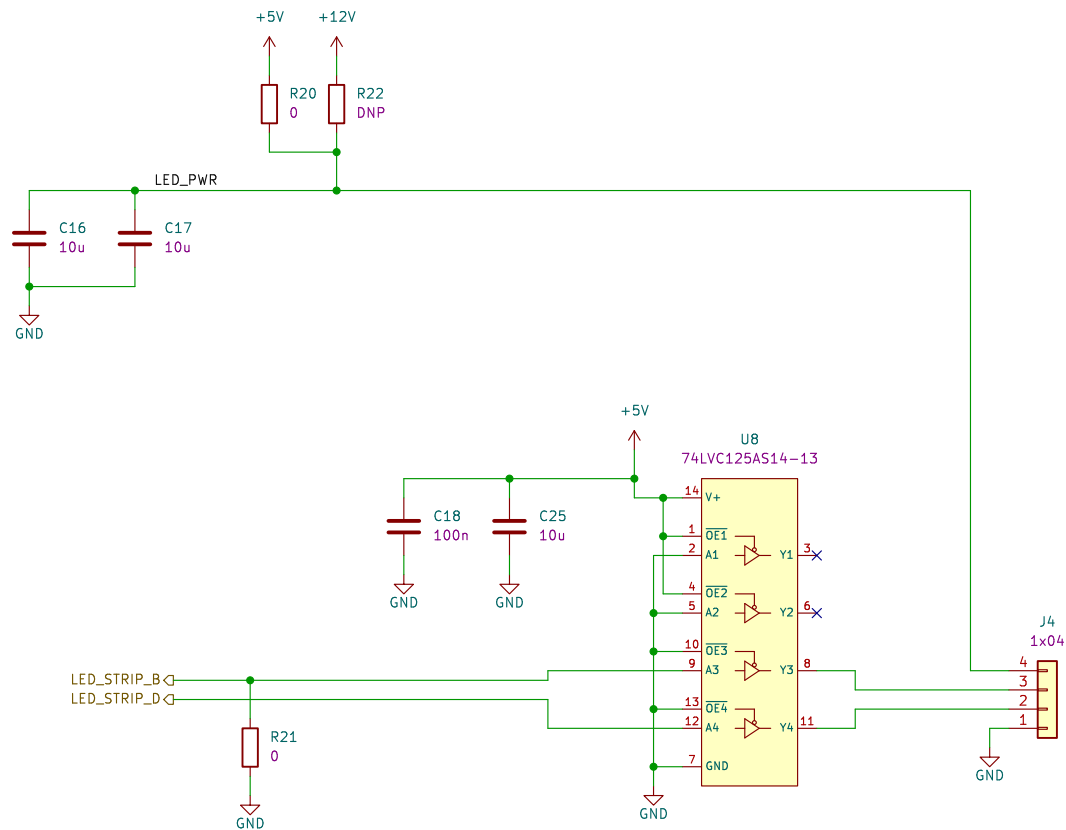
Size A4	Title, Supplementary title Gear Display Board		Revision 2.0	
			Sheet name Interfaces	Page 6/12
Kallio Designs Oy		Designer Teemu Latonen	Date of Issue 2023-01-05	
		PCB part number 000065	Assembly part number 000064	



Size	Title, Supplementary title		Revision
A4	Gear Display Board		2.0
Kallio Designs Oy		Sheet name	7-Segment Display
		Designer	Teemu Latonen
		Date of Issue	2023-01-05
PCB part number		Assembly part number	
000065		000064	



Size	Title, Supplementary title		Revision	
A4	Gear Display Board		2.0	
Kallio Designs Oy	Sheet name		Page	
	Shift Indicator		8/12	
	Designer		Date of issue	
	Teemu Latonen		2023-01-05	
PCB part number		Assembly part number		
000065		000064		



Size	Title, Supplementary title		Revision
A4	Gear Display Board		2.0
Kallio Designs Oy		Sheet name	Page
		RPM Bar	9/12
		Designer	Date of Issue
PCB part number		Assembly part number	
000065		000064	

A

B

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1

2

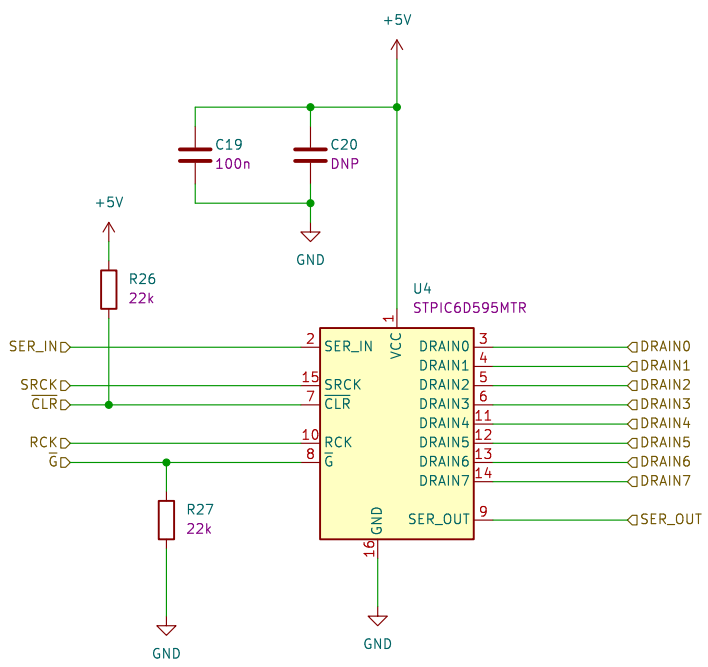
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Size	Title, Supplementary title		Revision	
	A4	Gear Display Board		2.0
Kallio Designs Oy		Sheet name	LED Driver 3	
		Designer	Teemu Latonen	Date of Issue 2023-01-05
		PCB part number	000065	Assembly part number 000064

