

1

2

3

4

A

B

C

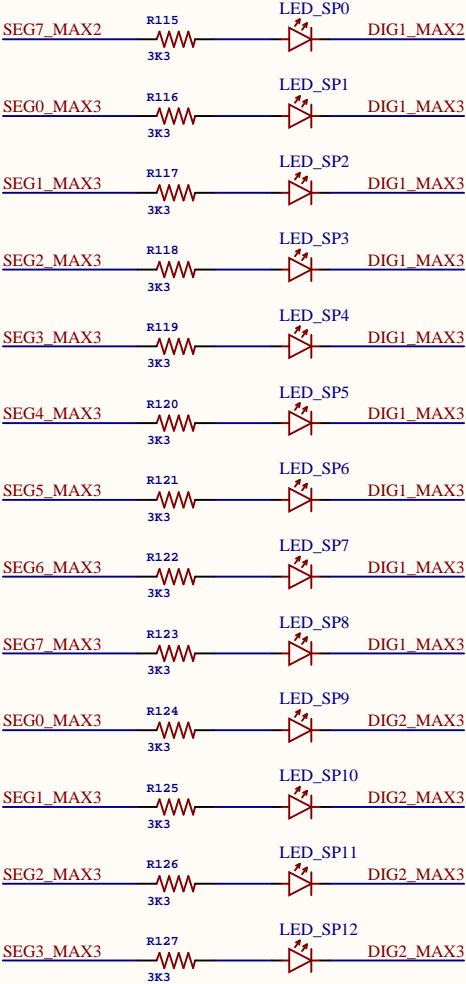
D

A

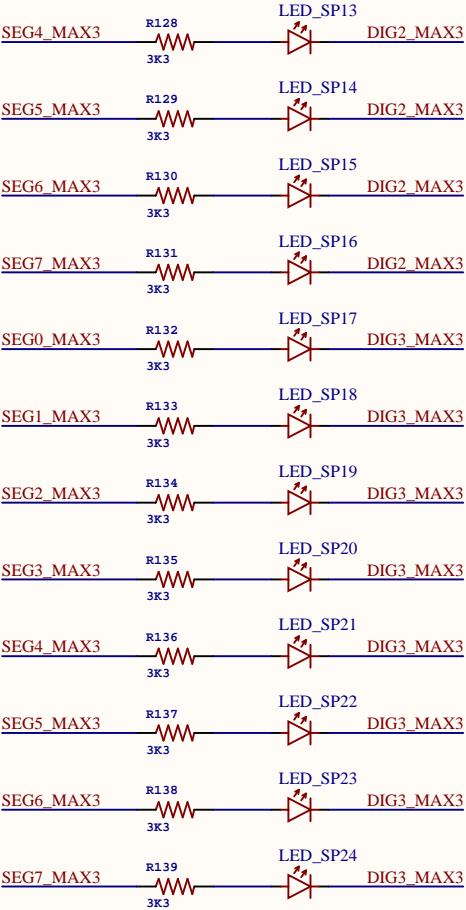
B

C

D



Green



Green

Title		
Instrument Panel Cluster Controller - Leds Speed		
Size	Number	Revision
A4		
Date:	27/11/2024	Sheet13 of 16
File:	C:\Users\...\Dial_leds2.SchDoc	Drawn By: Σπυρόπουλος Βασίλης

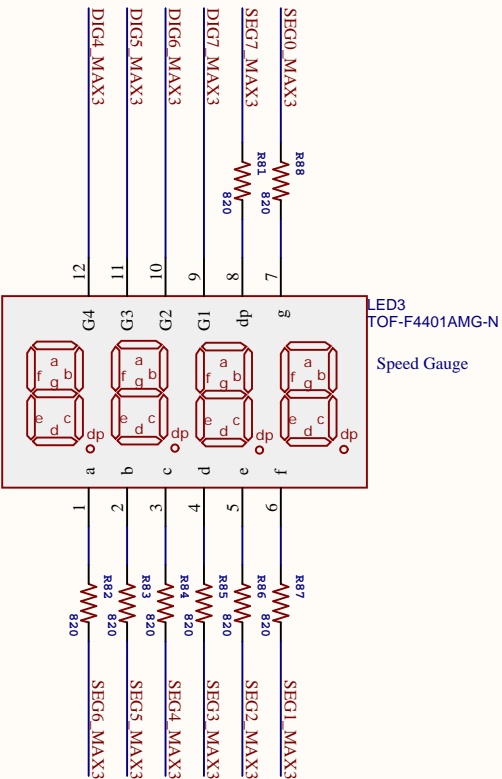
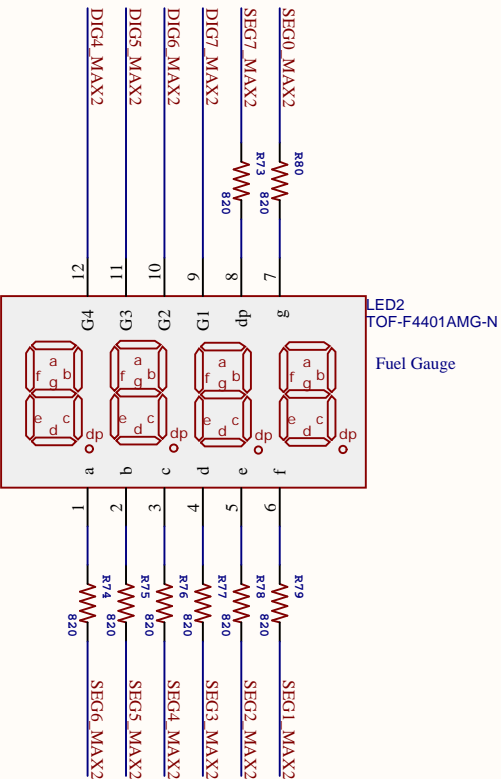
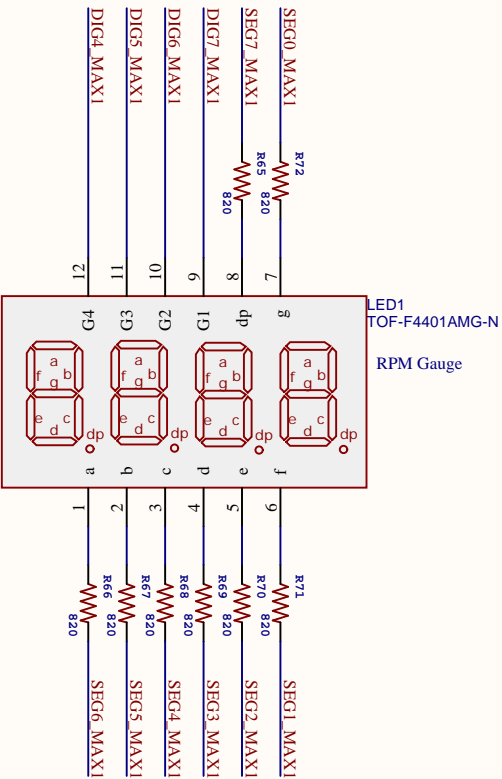
1

2

3

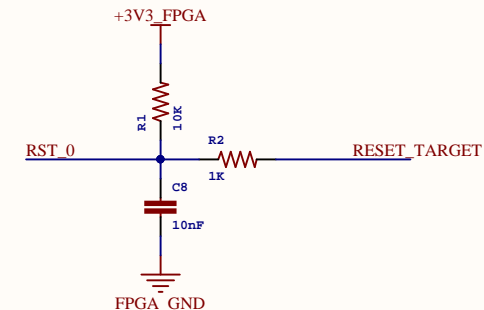
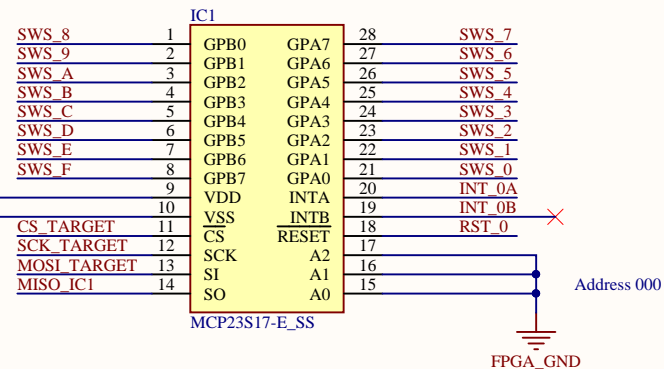
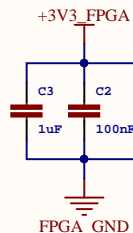
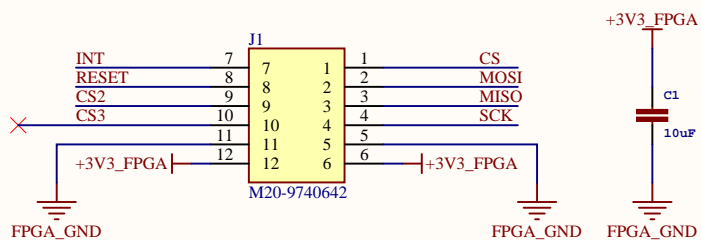
4

G1 is the left-most G4 is the right-most

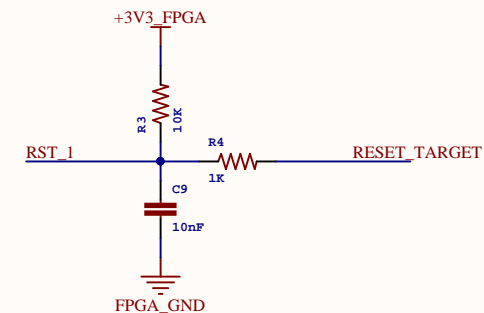
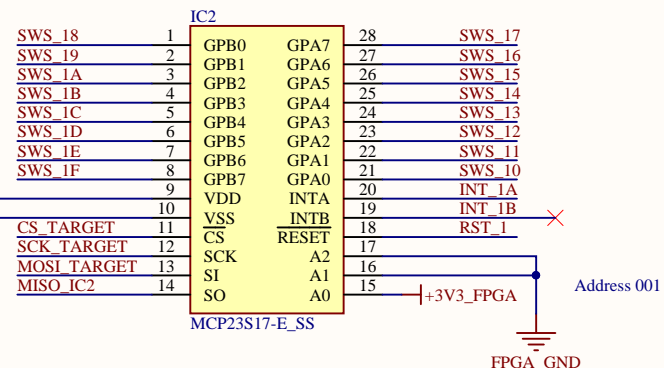
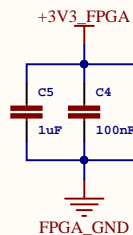
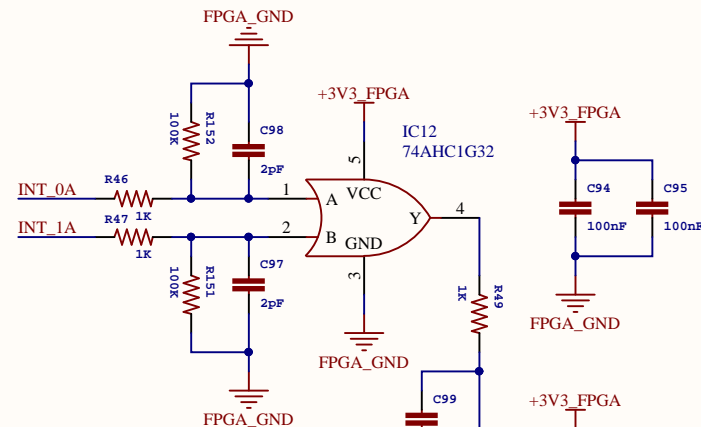


Title		
Instrument Panel Cluster Controller - 7 Seg Led Displays		
Size	Number	Revision
A4		
Date:	27/11/2024	Sheet 11 of 16
File:	C:\Users\...\IPC_7seg_displays.SchDoc	Drawn By: Σπυρόπουλος Βασίλης

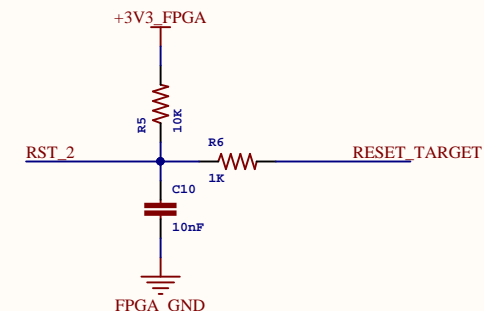
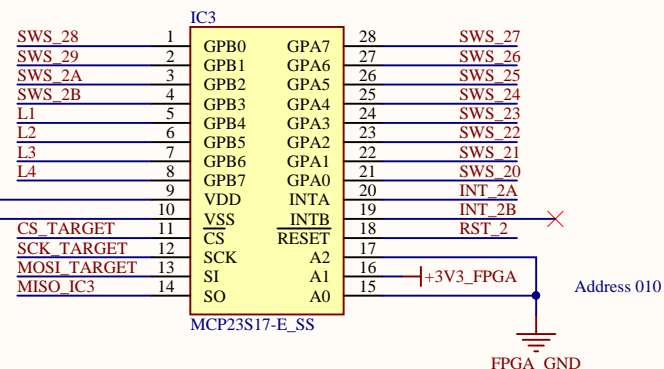
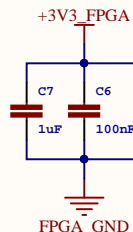
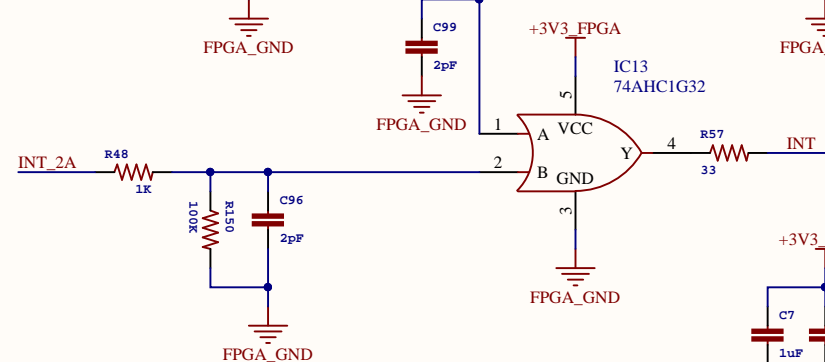
A



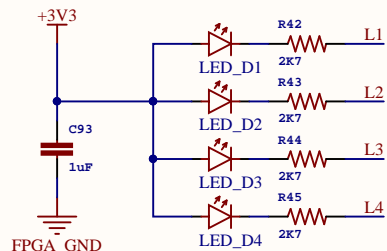
B



C

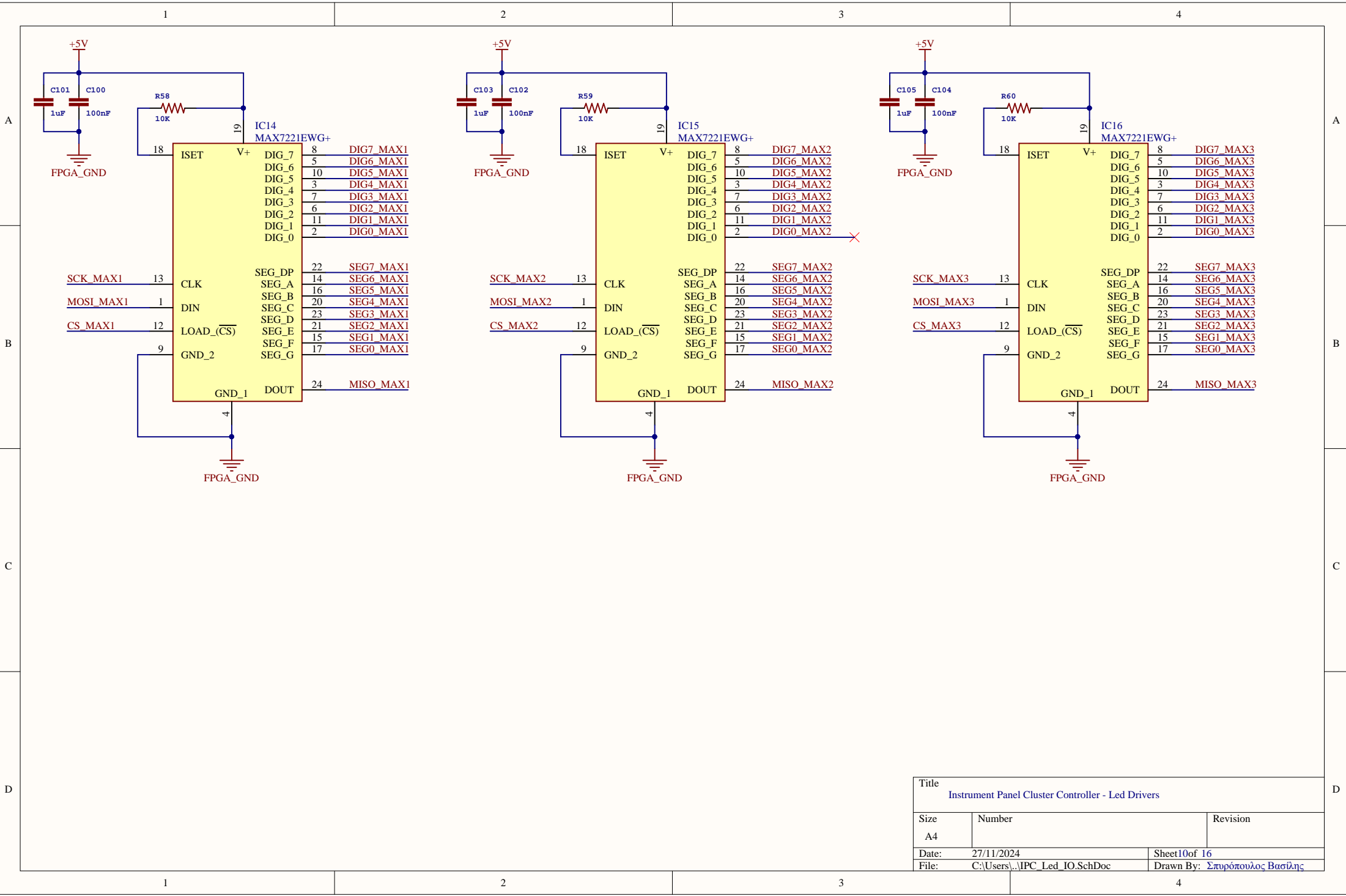


D

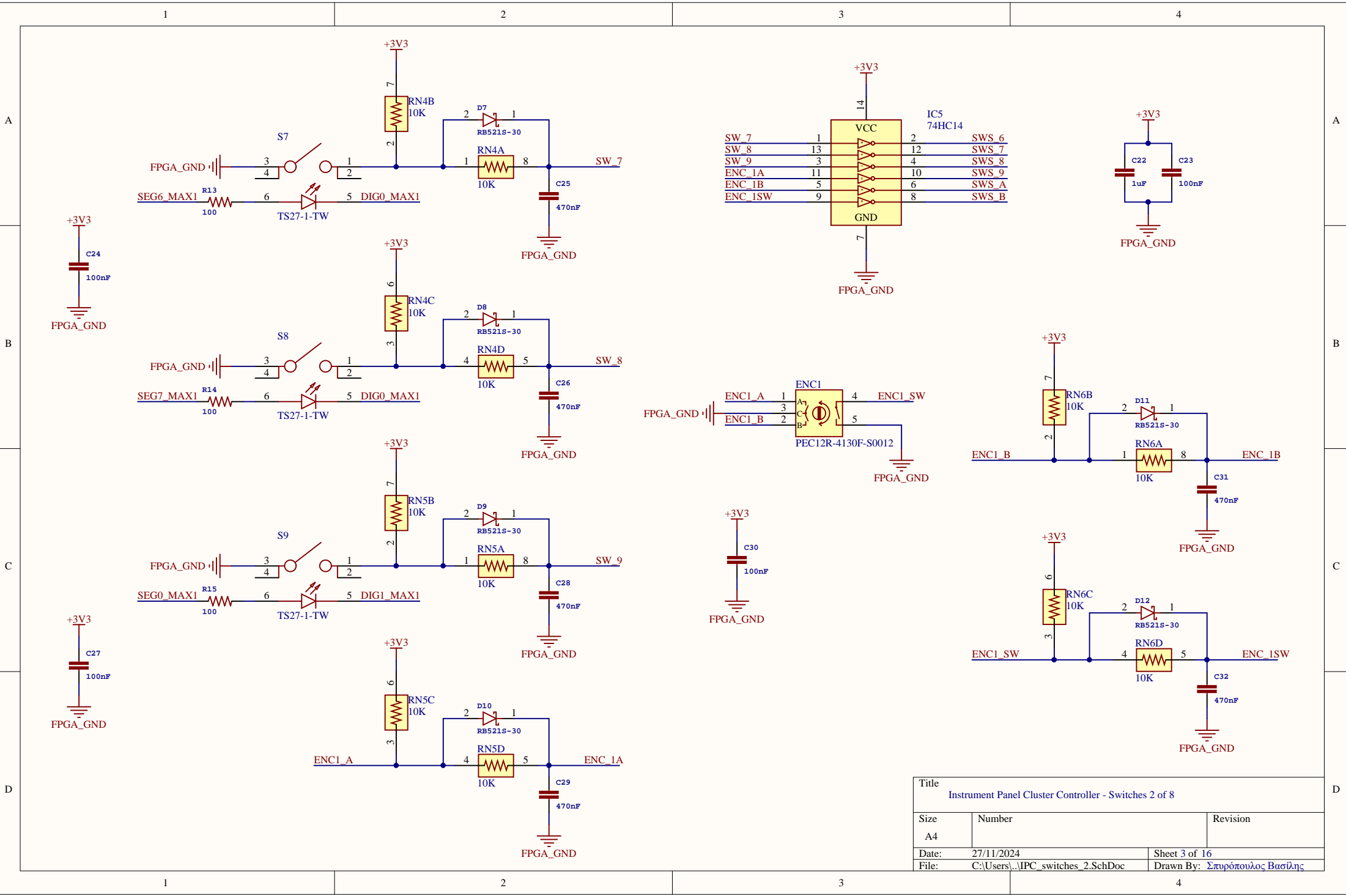


4 x Amber Led
P/N: GDB-C171KFKT-DZ
Vf = 1.8V

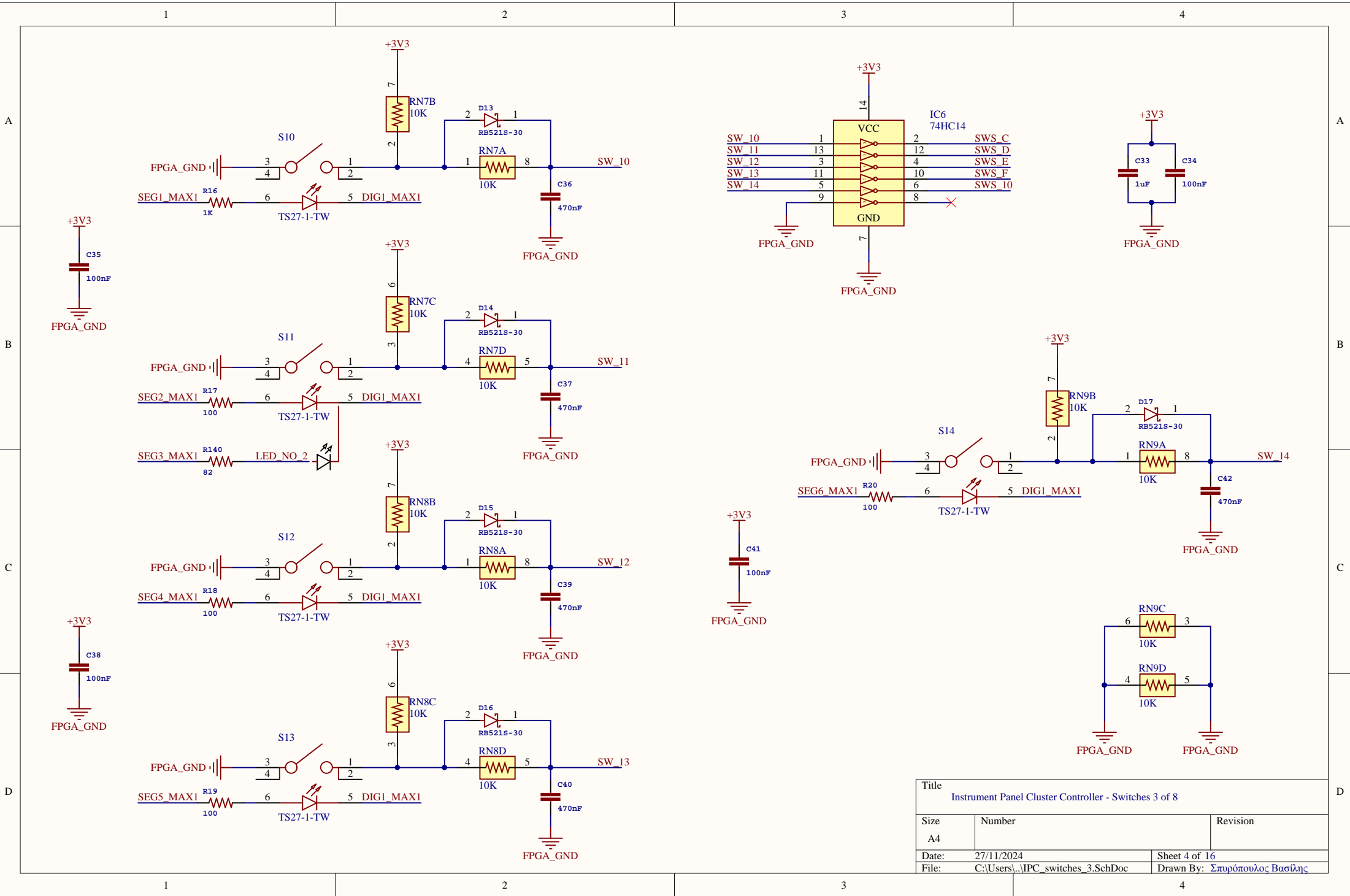
Title		
Instrument Panel Cluster Controller - IO		
Size	Number	Revision
A4		
Date:	27/11/2024	Sheet 1 of 16
File:	C:\Users\...IPC_Controller.SchDoc	Drawn By: Σπυρόπουλος Βασίλης



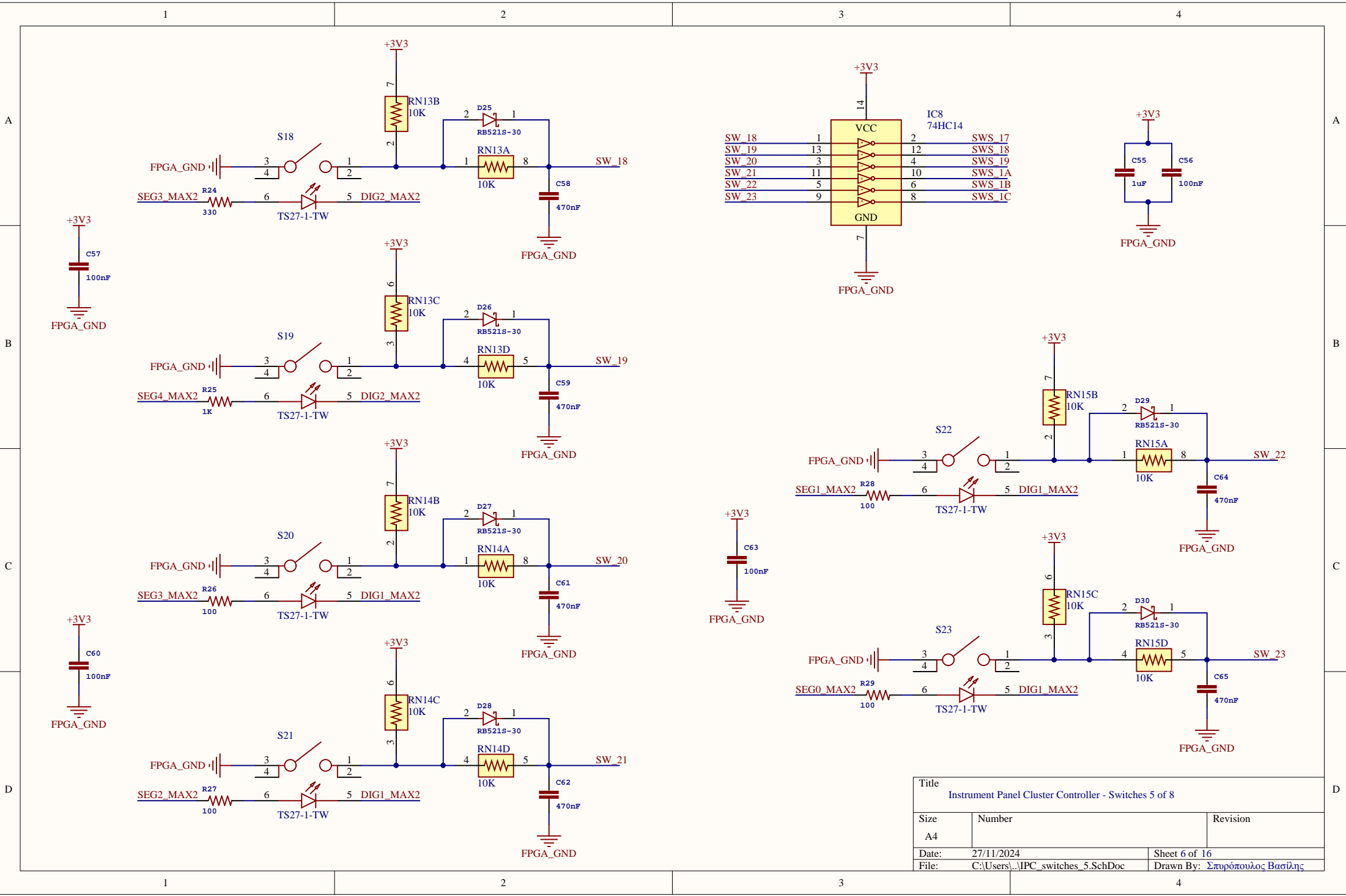
Title		
Instrument Panel Cluster Controller - Led Drivers		
Size	Number	Revision
A4		
Date:	27/11/2024	Sheet10of 16
File:	C:\Users\...\IPC_Led_IO.SchDoc	Drawn By: Σπυρόπουλος Βασίλης



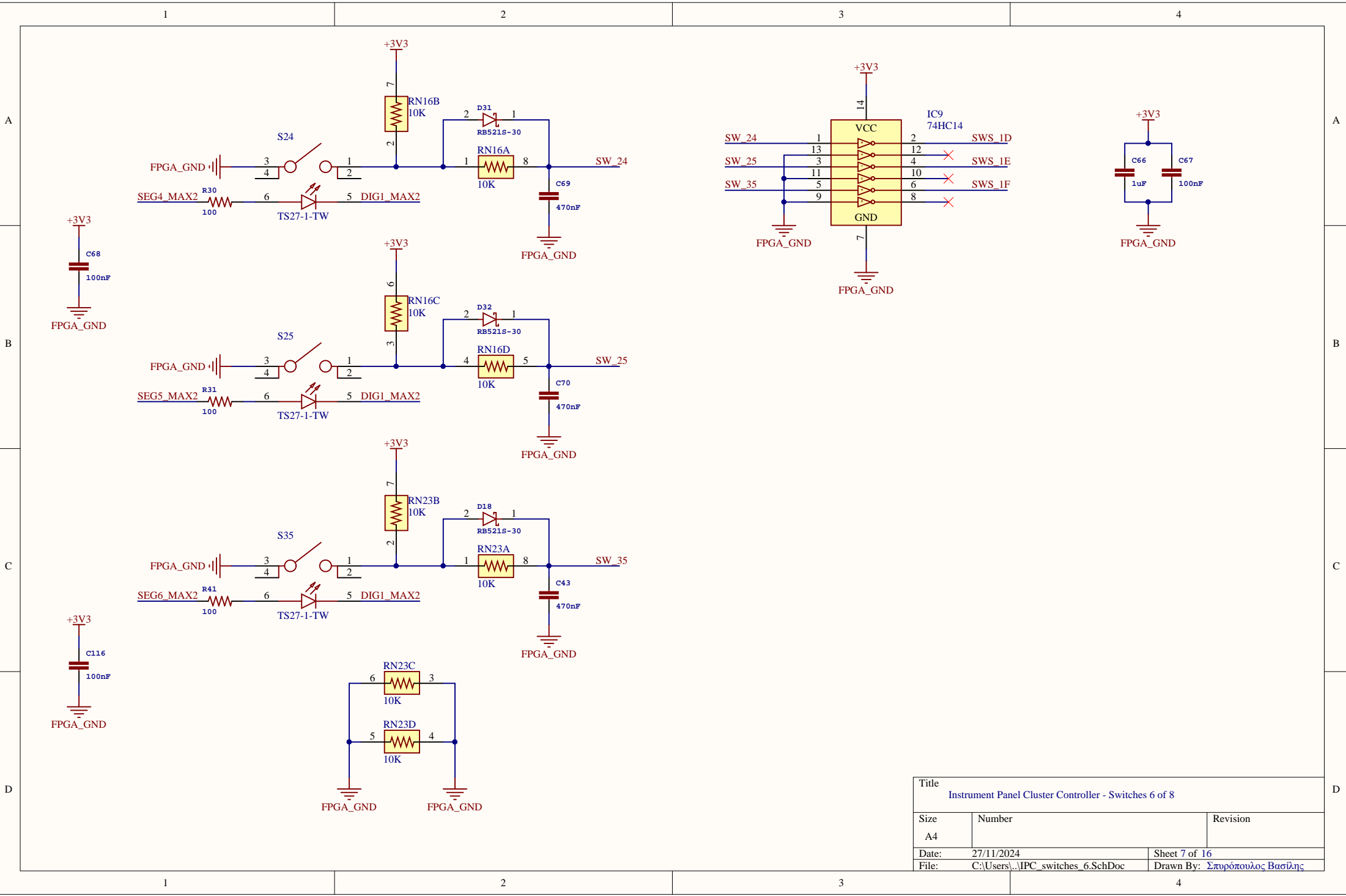
Title		
Instrument Panel Cluster Controller - Switches 2 of 8		
Size	Number	Revision
A4		
Date:	27/11/2024	Sheet 3 of 16
File:	C:\Users\...IPC_switches_2.SchDoc	Drawn By: Σπυρόπουλος Βασίλης



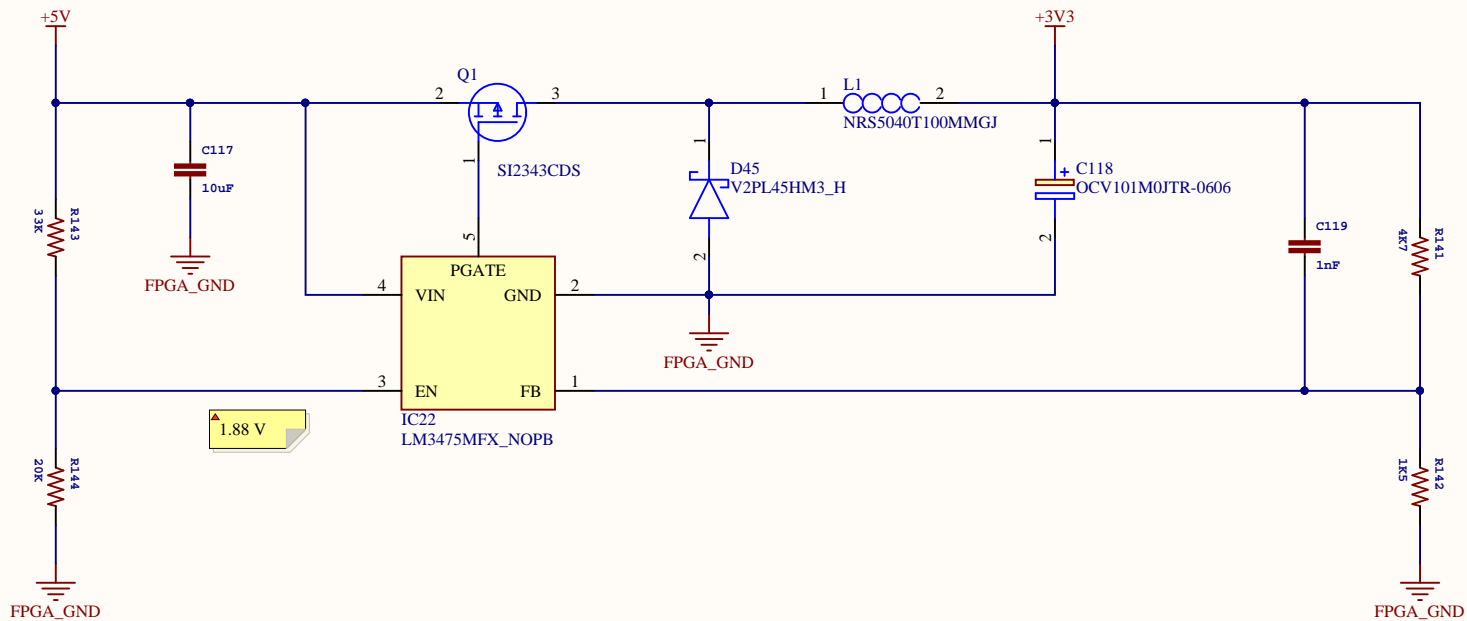
Title		
Instrument Panel Cluster - Switches 3 of 8		
Size	Number	Revision
A4		
Date:	27/11/2024	Sheet 4 of 16
File:	C:\Users\...\IPC_switches_3.SchDoc	Drawn By: Σπυρόπουλος Βασίλης



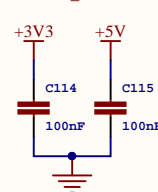
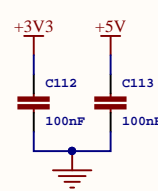
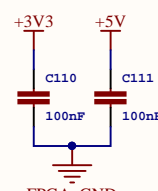
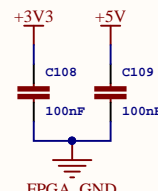
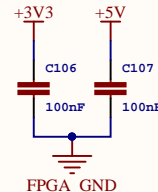
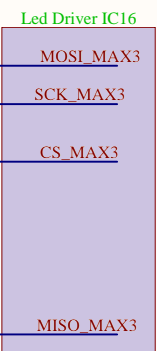
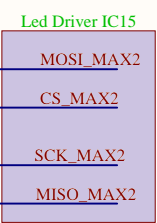
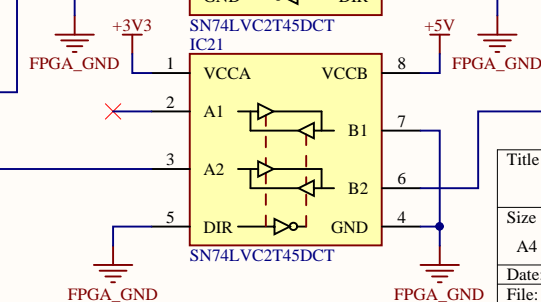
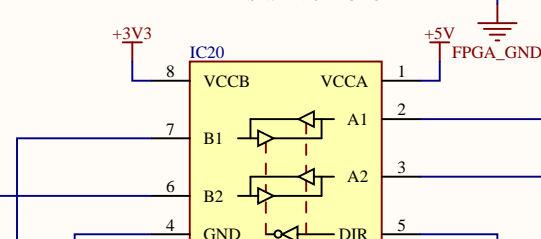
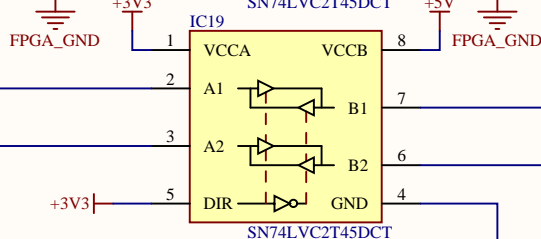
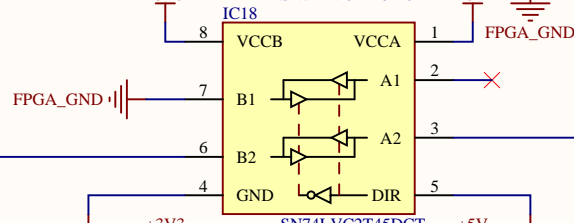
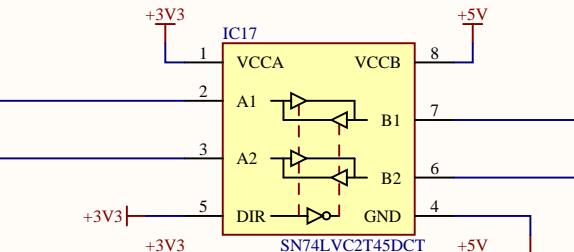
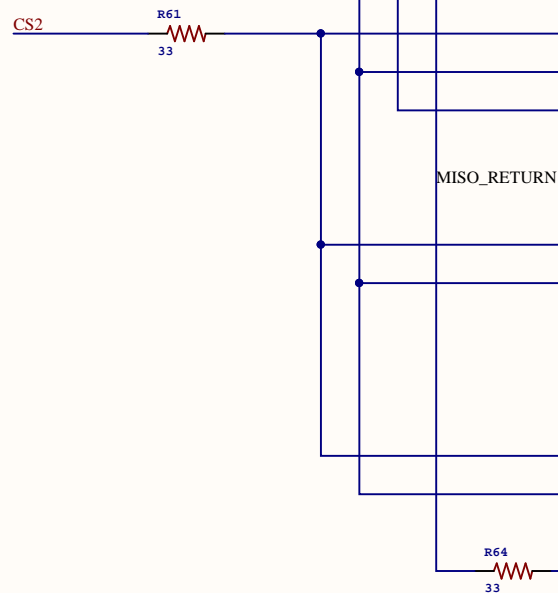
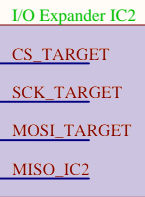
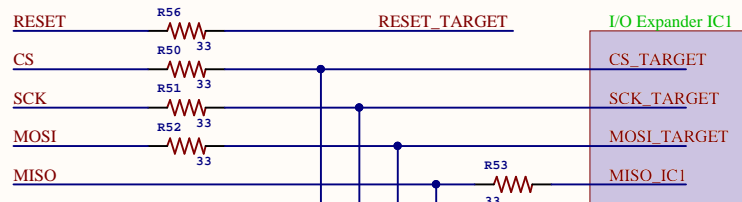
Title		
Instrument Panel Cluster Controller - Switches 5 of 8		
Size	Number	Revision
A4		
Date:	27/11/2024	Sheet 6 of 16
File:	C:\Users\...\IPC_switches_5.SchDoc	Drawn By: Σπυρόπουλος Βασίλης



Title Instrument Panel Cluster Controller - Switches 6 of 8		
Size A4	Number	Revision
Date:	27/11/2024	Sheet 7 of 16
File:	C:\Users\...\IPC_switches_6.SchDoc	Drawn By: Σπυρόπουλος Βασίλης

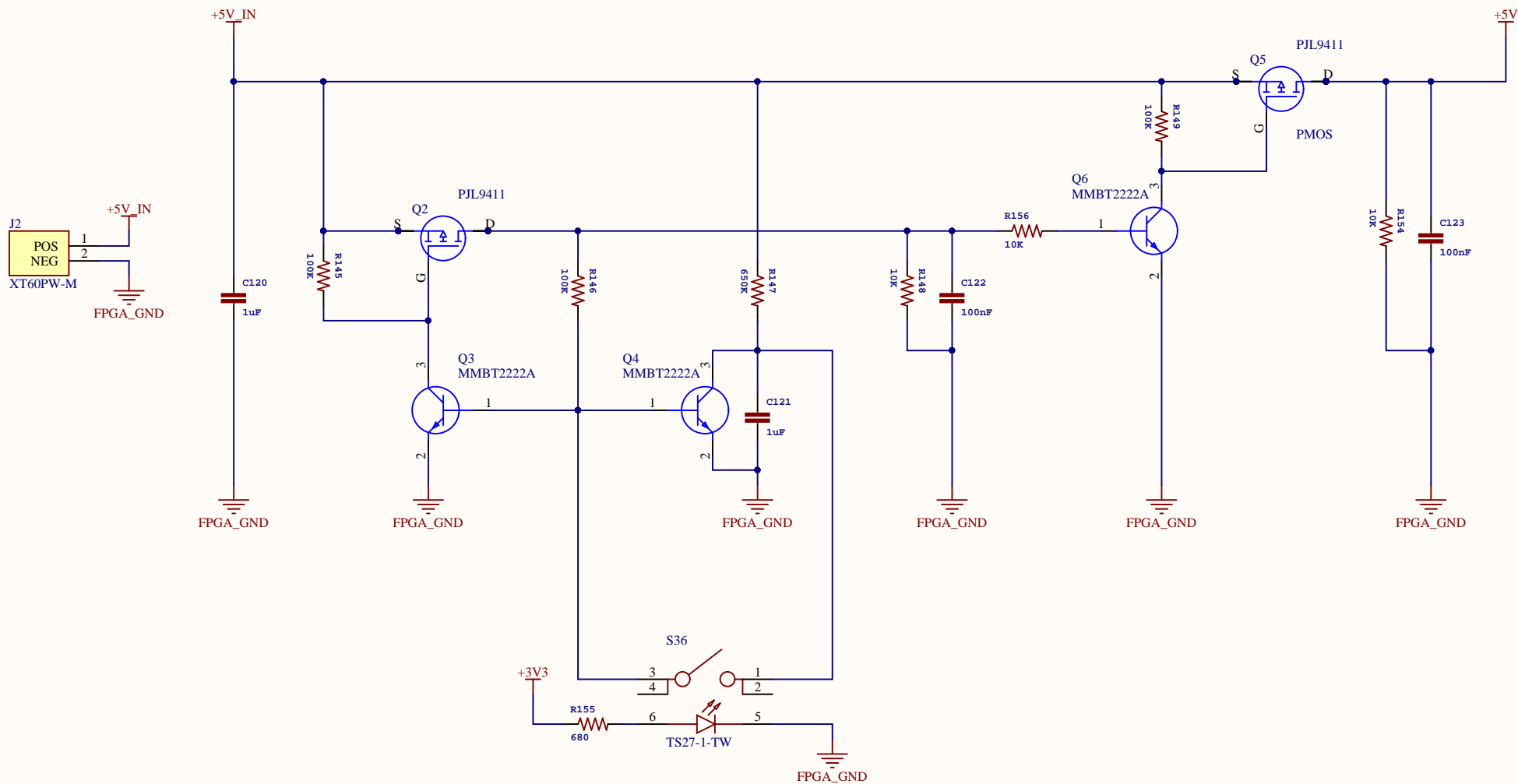


Title		
Instrument Panel Cluster Controller - Power Supply		
Size	Number	Revision
A4		
Date:	27/11/2024	Sheet16of 16
File:	C:\Users\...\Power_Supply.SchDoc	Drawn By: Σπυρόπουλος Βασίλης



DIR = Low : A <= B
DIR = High : A => B

Title		
Instrument Panel Cluster Controller - Signal termination & Voltage Level Conversion		
Size	Number	Revision
A4		
Date:	27/11/2024	Sheet 14 of 16
File:	C:\Users\...\Signal_Termination.SchDoc	Drawn By: Σπυρόπουλος Βασίλης



Title		
Instrument Panel Cluster Controller - Soft Latching Power Switch		
Size	Number	Revision
A4		
Date:	27/11/2024	Sheet 15 of 16
File:	C:\Users\...\Soft_Latching_Power_Switch_SchDoc By: Σπυρόπουλος Βασίλης	

