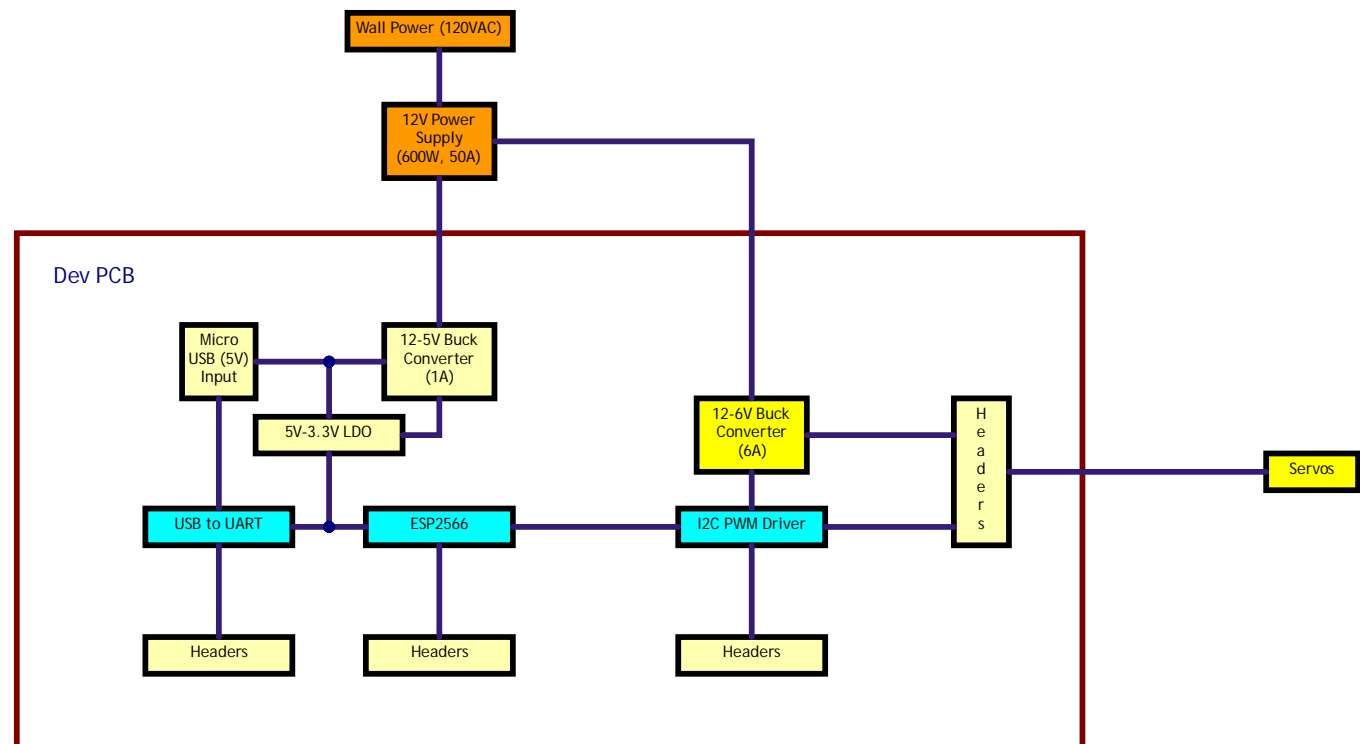


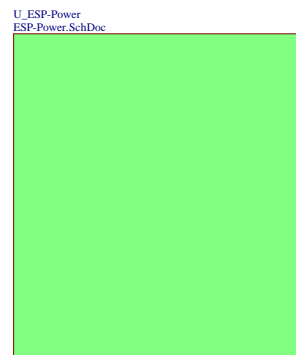
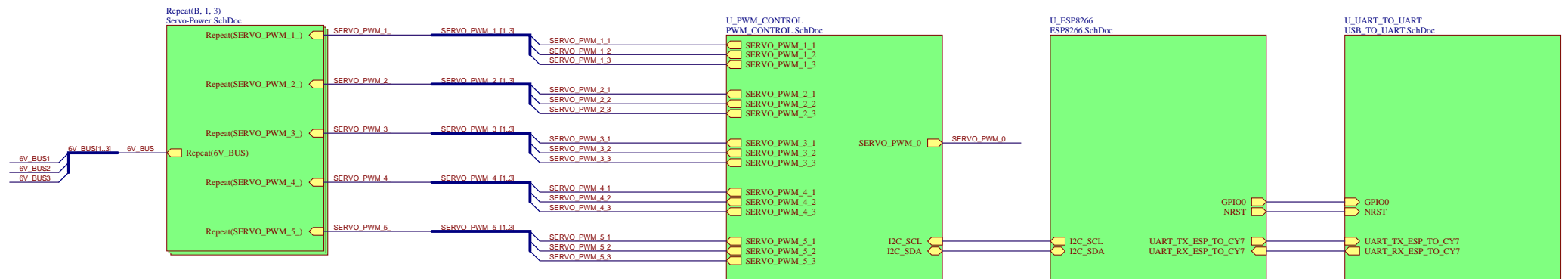
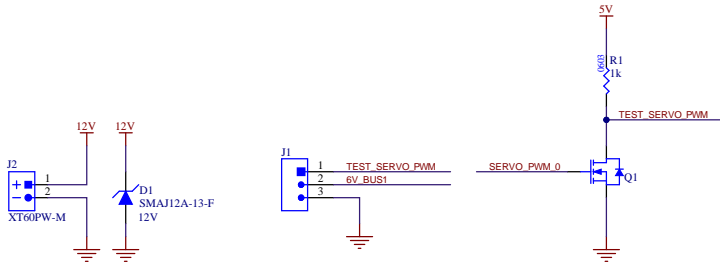


Block Diagram



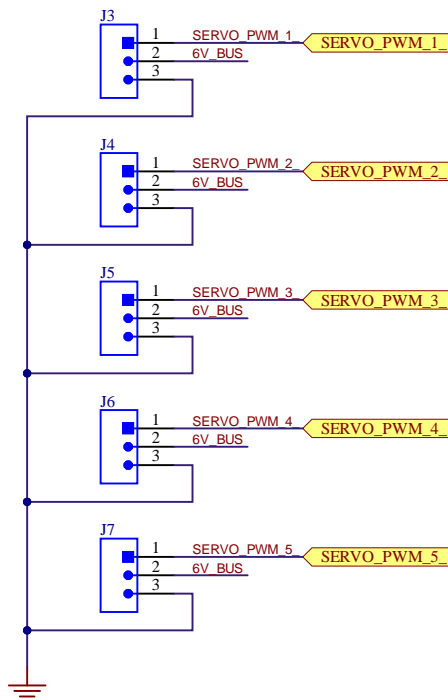
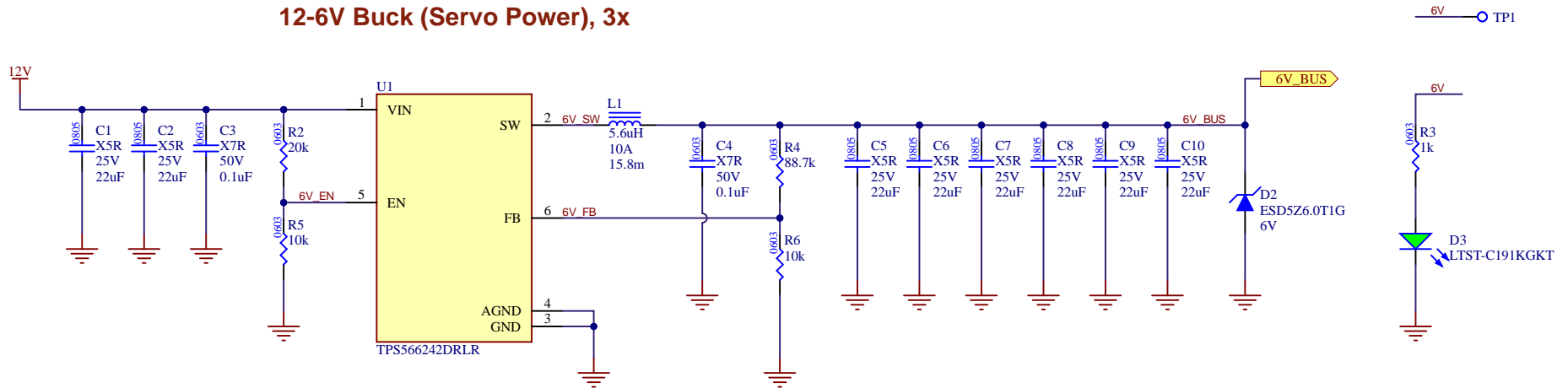
 PUTTPILOT		PuttPilot 200 University Ave W Waterloo, Ontario, Canada N2L 3G1			
PROJECT PuttPilot-Dev.PrjPcb, [No Variations]				REVISION 1.0	
DOCUMENT Block-Diagram.SchDoc				MODIFIED 2024-10-14	
ENGINEER Ethan Abraham		REVIEWER *		SHEET 1 OF 7	

Hierarchal Power



Servo Power



12-6V Buck (Servo Power), 3x



Everything on this sheet will be tripled (3 separate servo buses). Refer to hierarchal power page to see how PWM signals come from I2C driver

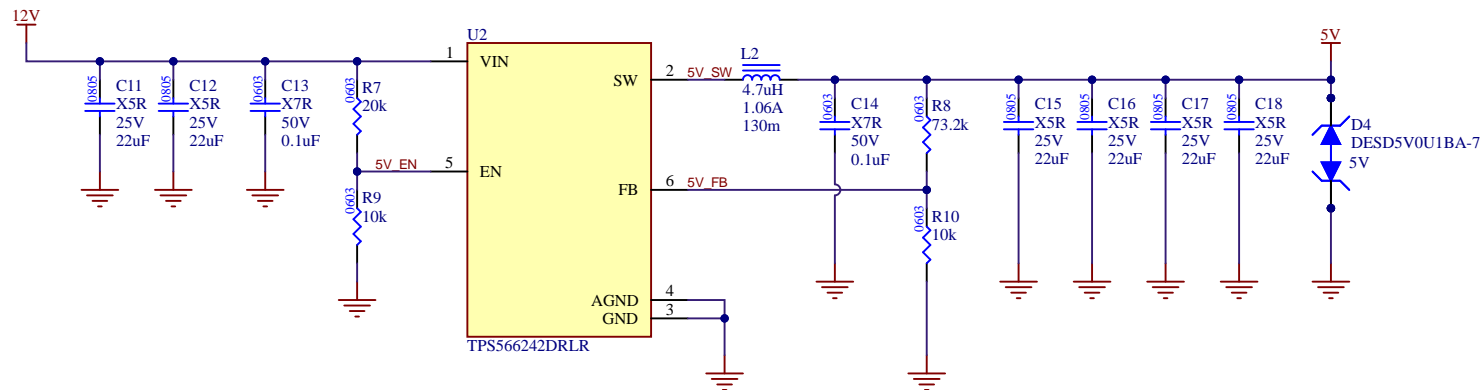
Servo Pinout

PWM=Orange (⏏)
Vcc = Red (+)
Ground=Brown (-)

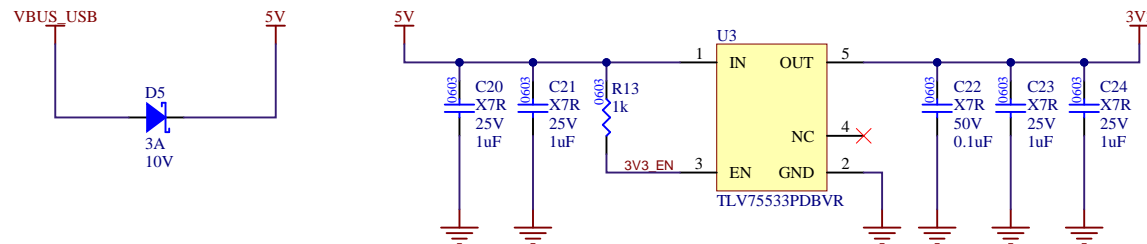
 PUTTPILOT 200 University Ave W Waterloo, Ontario, Canada N2L 3G1			
PROJECT PuttPilot-Dev.PrjPcb, [No Variations]		REVISION *	
DOCUMENT Servo-Power.SchDoc		MODIFIED 2024-10-16	
ENGINEER Ethan Abraham	REVIEWER *	SHEET 3 OF 7	

ESP Power

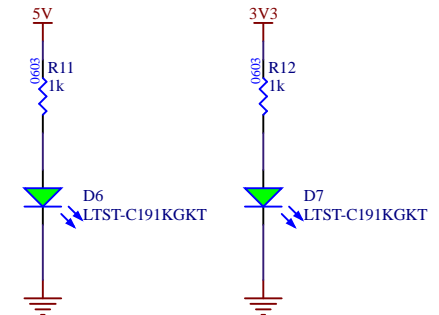
12-5V Buck (ESP Power)



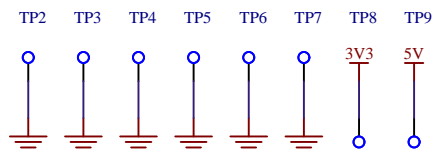
5V-3V3 LDO



Power Rail LEDs



Testpoints



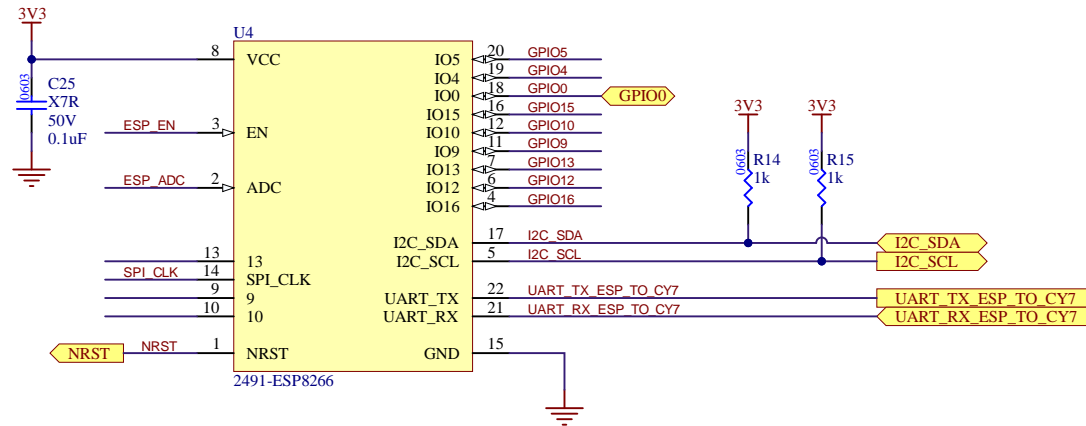
PUTTPILOT

PuttPilot
200 University Ave W
Waterloo, Ontario, Canada
N2L 3G1

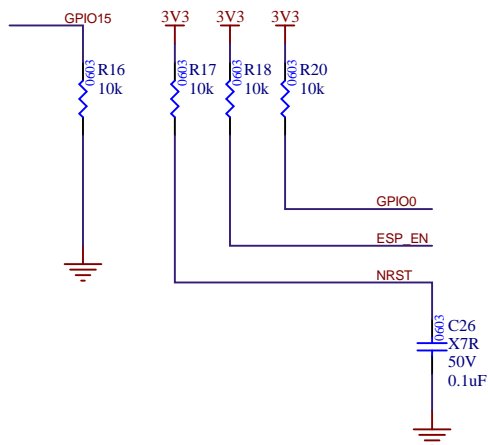


PROJECT PuttPilot-Dev.PrjPcb, [No Variations]		REVISION 1.0
DOCUMENT ESP-Power.SchDoc		MODIFIED 2024-10-17
ENGINEER Ethan Abraham	REVIEWER *	SHEET 4 OF 7

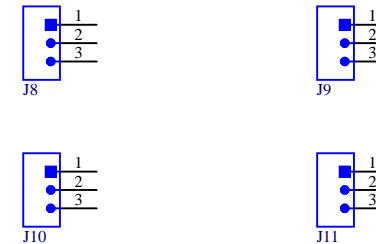
ESP8266





Passive Pull Resistors



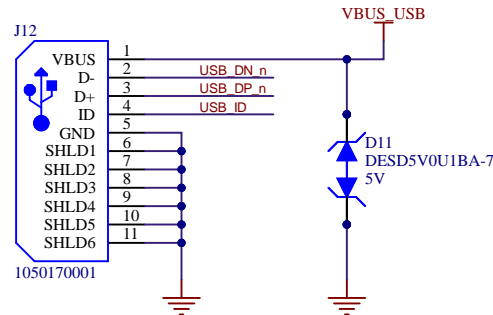
Headers



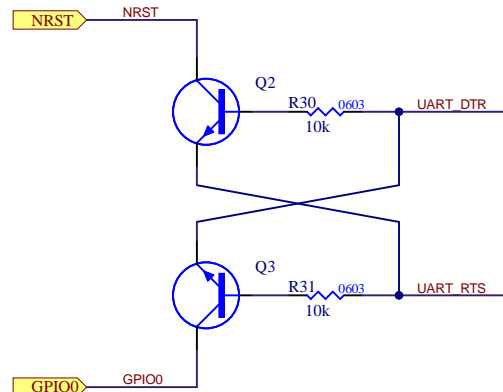
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PROJECT PuttPilot-Dev.PrjPcb, [No Variations]		REVISION 1.0	
DOCUMENT ESP8266.SchDoc		MODIFIED 2024-10-17	SHEET 5 OF 7
ENGINEER Ethan Abraham	REVIEWER *		

USB to UART

Micro USB B



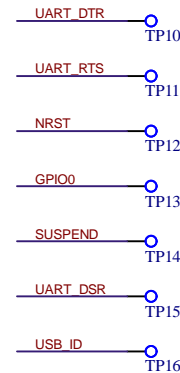
Auto Program Circuit



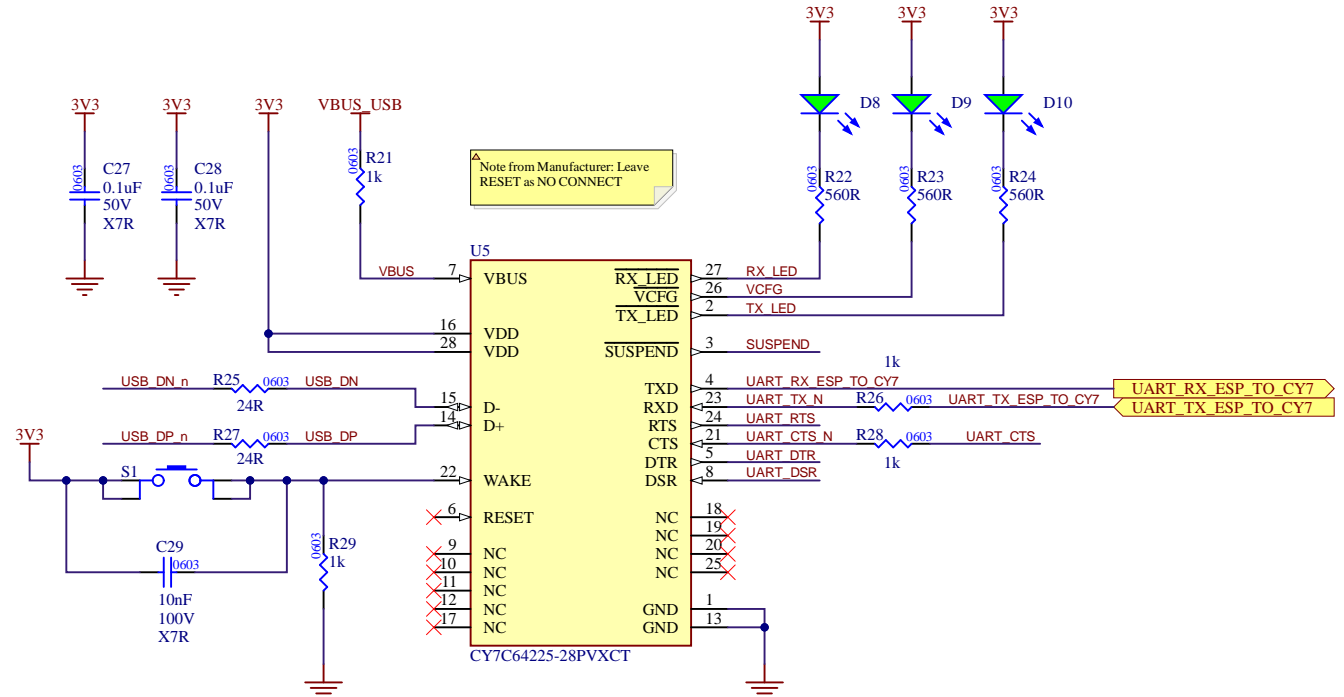
AUTO PROGRAM CIRCUIT

DTR	RTS	RST	GPIO0
1	1	1	1
0	0	1	1
1	0	0	1
0	1	1	0

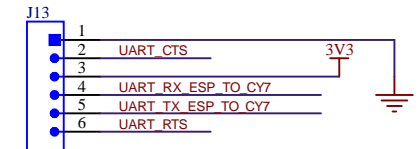
Testpoints



Note from Manufacturer: Leave RESET as NO CONNECT



FTDI Cable



PUTTPILOT

PuttPilot
200 University Ave W
Waterloo, Ontario, Canada
N2L 3G1



PROJECT
PuttPilot-Dev.PrjPcb, [No Variations]

REVISION
1.0

DOCUMENT
USB_TO_UART.SchDoc

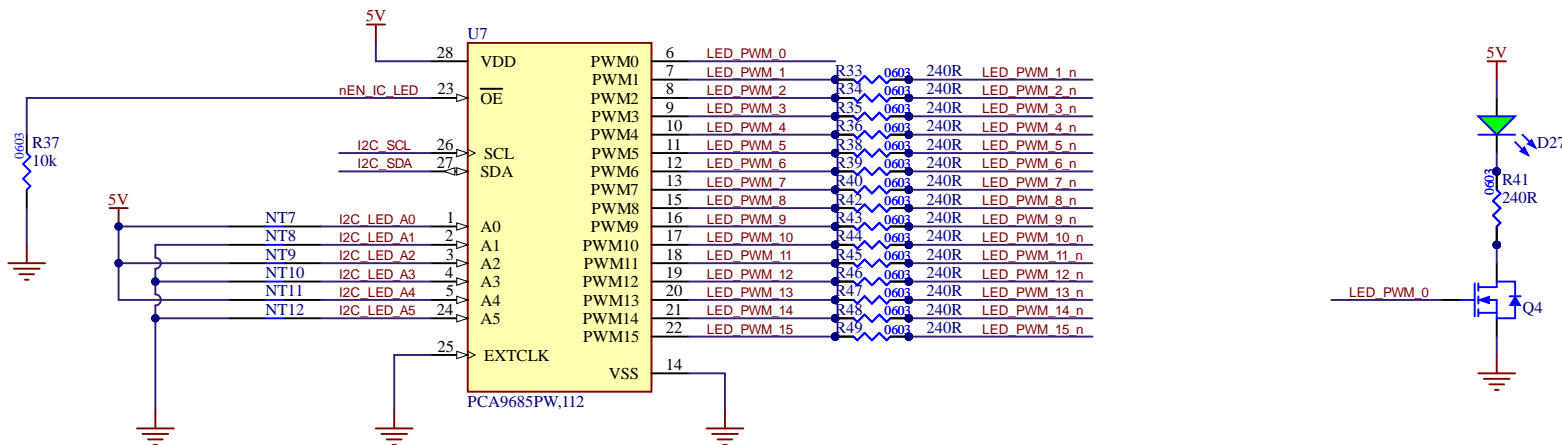
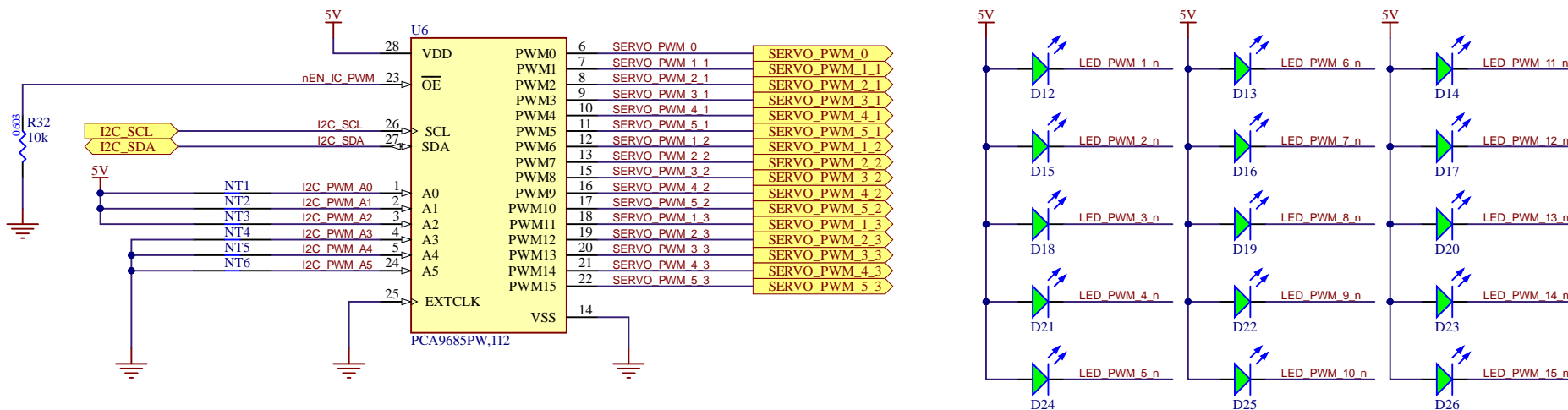
MODIFIED
2024-10-16

ENGINEER
Ethan Abraham

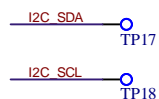
REVIEWER
*



SHEET 6 OF 7

PWM Control



Testpoints



 PUTTPILOT		PuttPilot 200 University Ave W Waterloo, Ontario, Canada N2L 3G1			
PROJECT			REVISION		
PuttPilot-Dev.PrjPcb, [No Variations]			1.0		
DOCUMENT			MODIFIED		
PWM_CONTROL.SchDoc			2024-10-16		
ENGINEER		REVIEWER		SHEET	
Ethan Abraham		*		7 OF 7	

