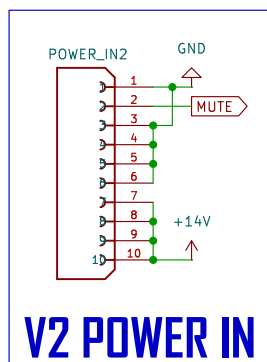
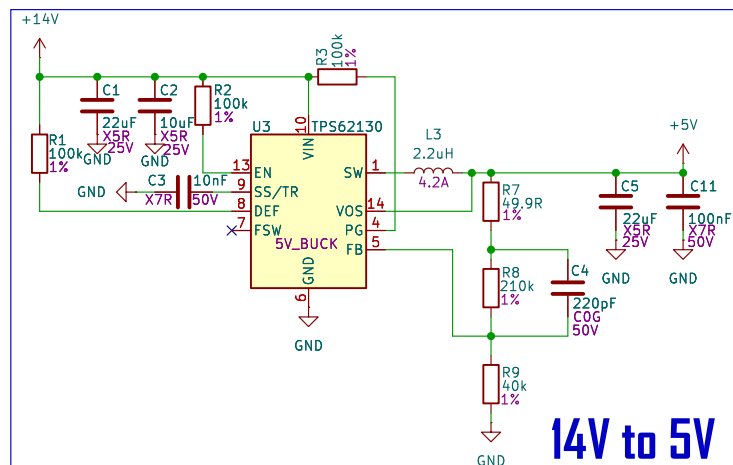


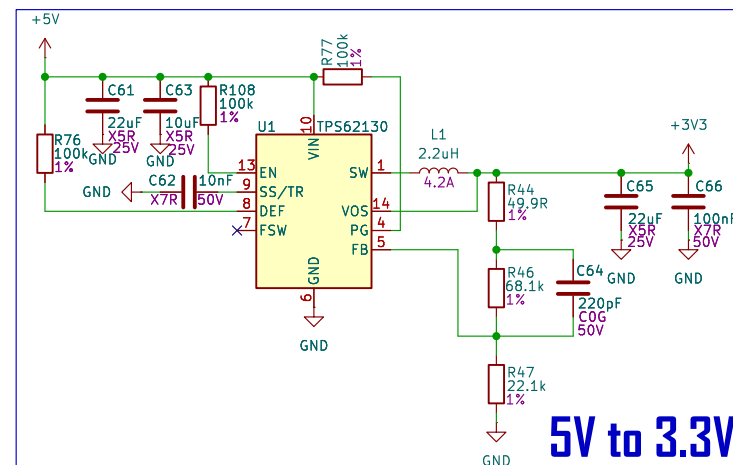
	1	2	3	4	5	6
A	<div>Power</div> <div></div> <div>File: power_handling.kicad_sch</div>		<div>ESP32-S3R8</div> <div></div> <div>File: esp32.kicad_sch</div>			
B	<div>XMOS</div> <div></div> <div>File: xmos.kicad_sch</div>		<div>AUDIO</div> <div></div> <div>File: audio.kicad_sch</div>			
C	<div>LEDs</div> <div></div> <div>File: leds.kicad_sch</div>					
D			<div>by iMike78 (Inspired by Onju voice and HA VPE)</div> <div>Sheet: /</div> <div>File: nest-mini-v2-drop-in-pcb.kicad_sch</div> <div>Title: Nest mini drop in PCB replacement</div> <div><div>Size: A4</div><div>Date:</div><div>Rev: v1</div></div> <div><div>KiCad E.D.A. 9.0.2</div><div>Id: 1/6</div></div>			
	1	2	3	4	5	6



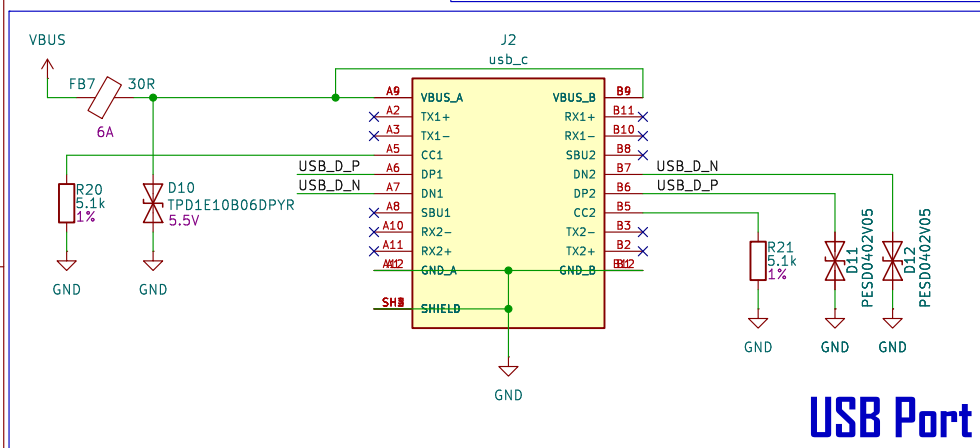
**V2 POWER IN**



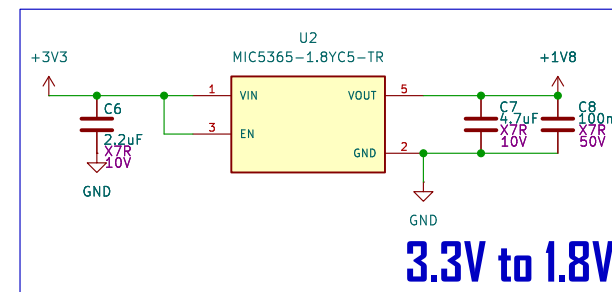
**14V to 5V**



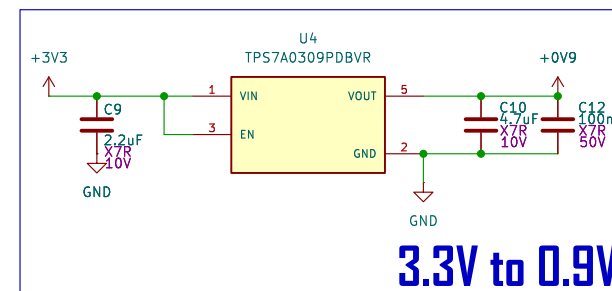
**5V to 3.3V**



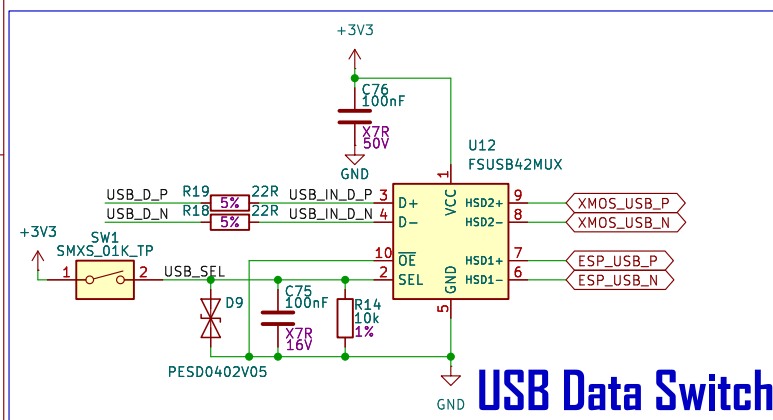
**USB Port**



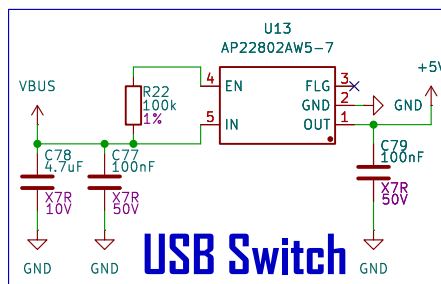
**3.3V to 1.8V**



**3.3V to 0.9V**



**USB Data Switch**



**USB Switch**

by iMike78 (Inspired by Onju voice and HA VPE)

Sheet: /Power/  
File: power\_handling.kicad\_sch

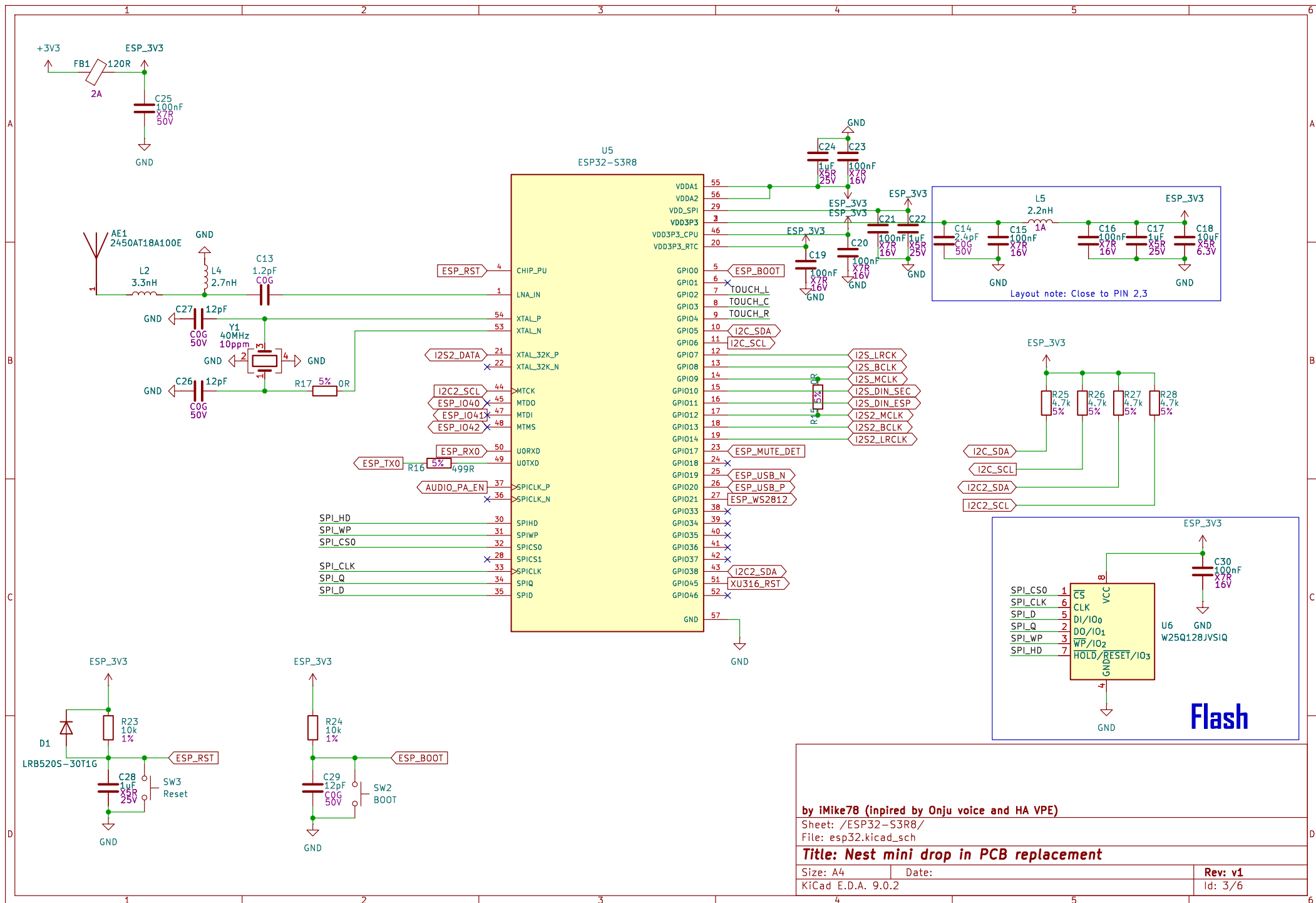
**Title: Nest mini drop in PCB replacement**

Size: A4  
KiCad E.D.A. 9.0.2

Date:

Rev: v1

Id: 2/6



by iMike78 (Inspired by Onju voice and HA VPE)

Sheet: /ESP32-S3R8/

File: esp32.kicad\_sch

**Title: Nest mini drop in PCB replacement**

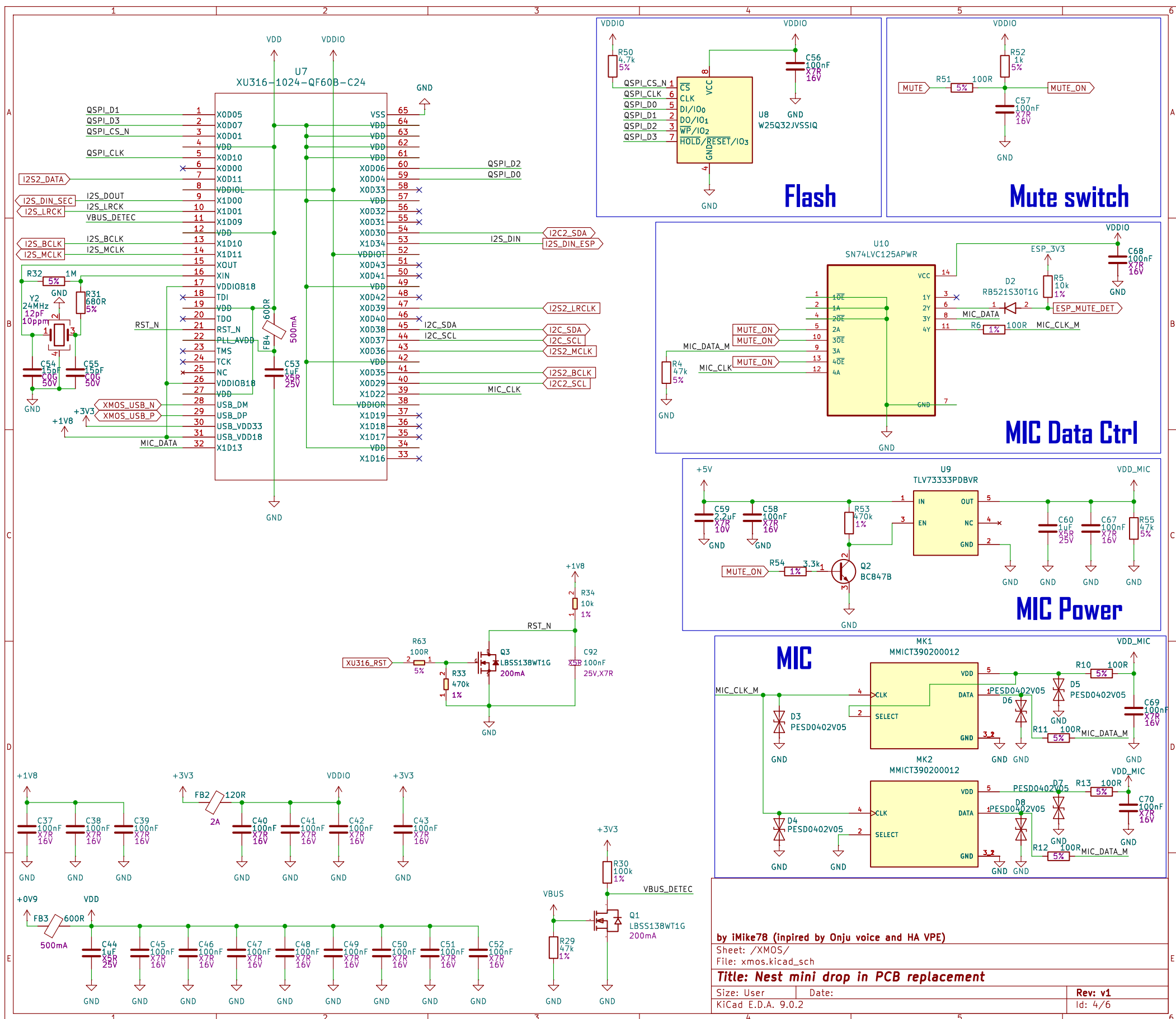
Size: A4

Date:

KiCad E.D.A. 9.0.2

Rev: v1

Id: 3/6



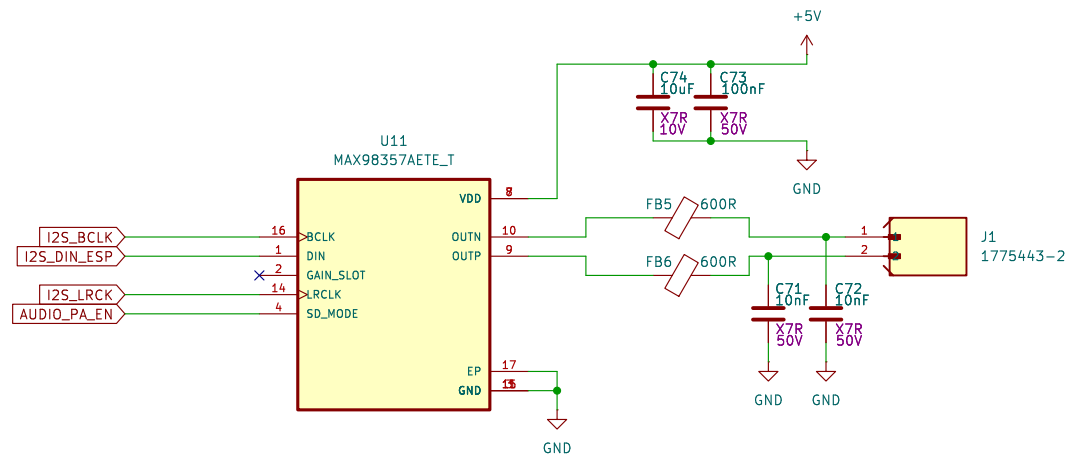
by iMike78 (Inspired by Onju voice and HA VPE)

Sheet: /XMOS/  
File: xmos.kicad\_sch

**Title: Nest mini drop in PCB replacement**

Size: User Date:  
KiCad E.D.A. 9.0.2

Rev: v1  
Id: 4/6



by iMike78 (Inspired by Onju voice and HA VPE)

Sheet: /AUDIO/  
File: audio.kicad\_sch

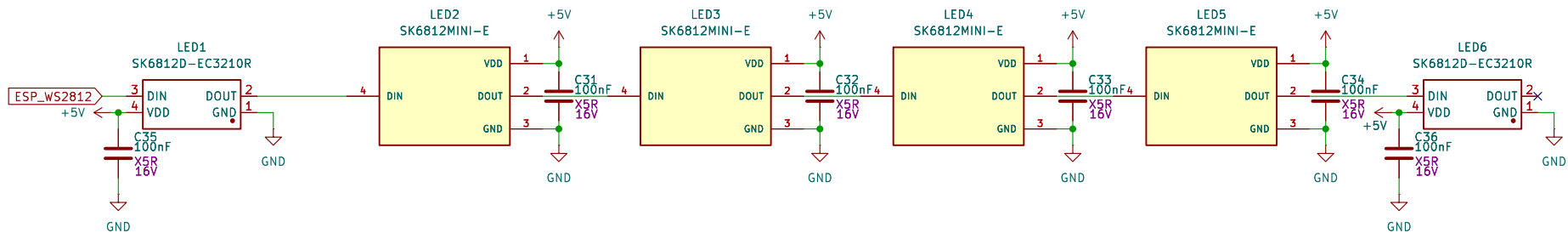
**Title: Nest mini drop in PCB replacement**

Size: A4  
KiCad E.D.A. 9.0.2

Date:

Rev: v1

Id: 5/6



by iMike78 (Inspired by Onju voice and HA VPE)

Sheet: /LEDs/  
File: leds.kicad\_sch

**Title: Nest mini drop in PCB replacement**

Size: A4  
KiCad E.D.A. 9.0.2

Date:

Rev: v1

Id: 6/6