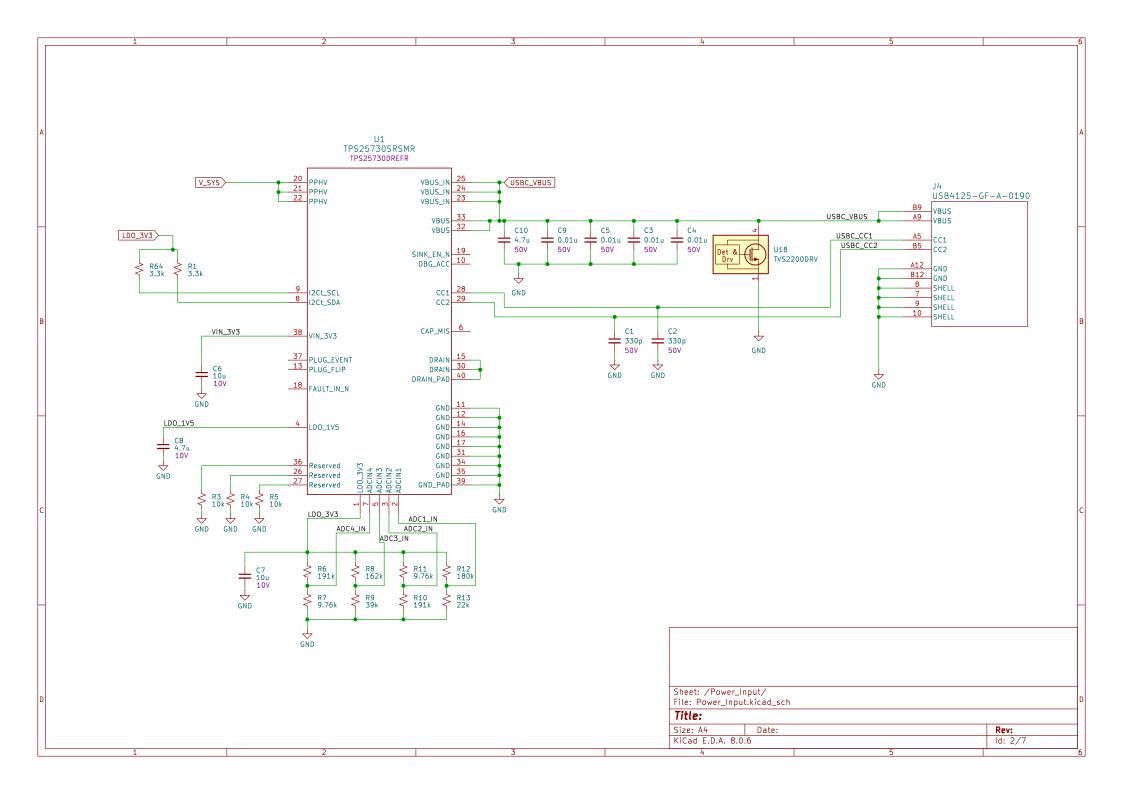
	1		2	3	3		4			5		- 6
		·										
	Power_Input		Power_Converters	Au	idio_Input		_ v	'oltage References]		
А												1
	File: Power_Input.kicad_sc	h	File: Power_Converters.kicad_sc	h Fil	le: Audio_Input.kicad_sch		L F	ile: Voltage References	.kicad_sch			
	Microcontroller		Split Rail									
В												В
	File: microcontroller.kicad	_sch	File: Split_Rail.kicad_sch									
С												c
1												
D						-	Sheet: / File: Pov	ver.kicad_sch				
							Title:				Rev:	\exists
	4		2	1	z 1		KiCad E.	Date:		E	ld: 1/7	$\exists_{_{\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$



3.3V GENERAL PURPOSE CONVERTER U12 TPS62932DRLR 3V3_BST C52 +3.3V ± 100n +3.3V V_SYS > 16٧ 6.8u C11 C12 100n R24 10k R62 56 C13 3V3_FB $\frac{1}{16V} \stackrel{27p}{\gtrless} \frac{R14}{30.9k}$ C14 ± 47u D1 LED 16٧ GND C50 R25 10k = 33n GND GND R15 10k 507 GND GND $\dot{\uparrow}$ GND GND GND 5V 5A Converter for LED Power U3 TPS51385RJNR 5V_BST TPS51385RJNR C19 +57 ± 100n V_SYS VBST +5٧ 16V L2 1u C17 C51 11 ± 10u ± 100n C20 R63 150 507 50V C21 C23 C24 R21 147k 5V_PG 5V_FB 22p 22u + 22u + 22u + 22u 16V 10V 10V 10V 10V D2 LED R20 100k 5V_VCC 9 +3.3\ GND \rightarrow R22 10k C38 MODE AGND GND <u></u> 1u 16V R17 10k R23 10k GND ENABLE/DISABLE - TO UC 5VHP_EN GND GND \rightarrow GND GND Sheet: /Power_Converters/ File: Power_Converters.kicad_sch Title: Size: A4 Date: Rev: KiCad E.D.A. 8.0.6 Id: 3/7

