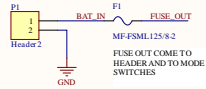
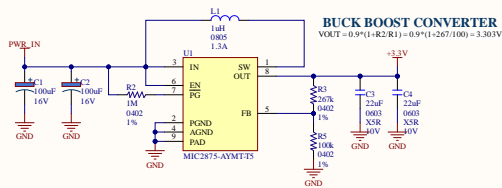


BATTERY INPUT

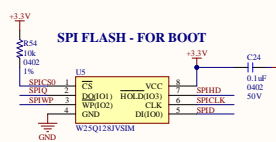


BUCK BOOST CONVERTER

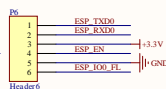
$$V_{OUT} = 0.9V \cdot (1 + R2/R1) = 0.9V \cdot (1 + 267/100) = 3.301V$$



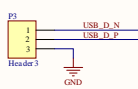
SPI FLASH - FOR BOOT



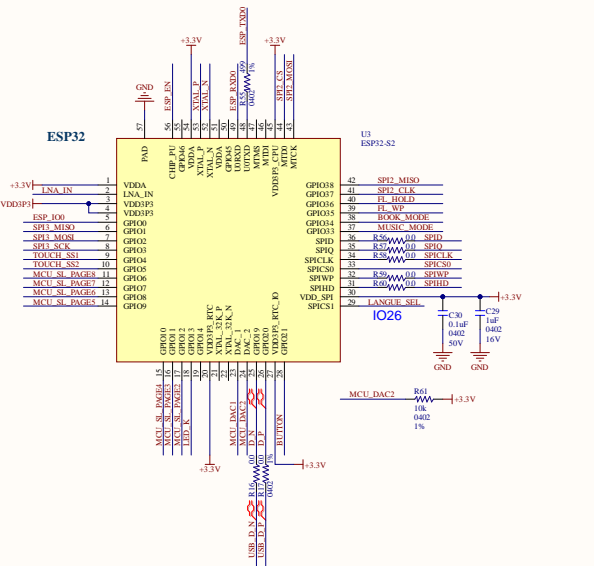
DEBUG HEADER



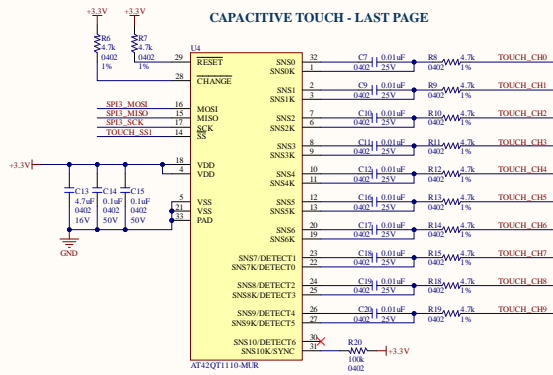
USB CONNECTOR



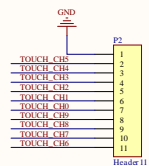
ESP32



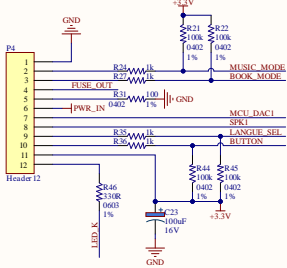
CAPACITIVE TOUCH - LAST PAGE



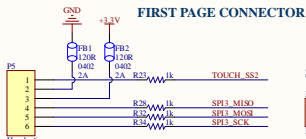
LAST PAGE CONNECTOR



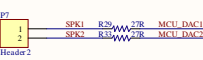
MENU HEADER



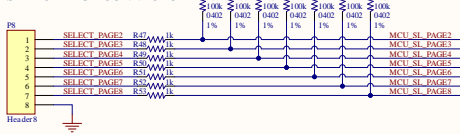
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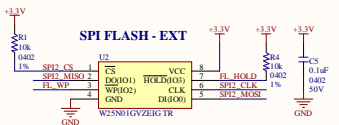
SPEAKER




SELECT PAGE CONNECTOR



SPI FLASH - EXT



		Address: 90 Nguyen Tuan Street, Thanh Xuan Hanoi - Vietnam		
Title: Smart Toy Main Board REV01 Schematic				
Size A2	Document Number: 2	Engineer: Manh Ngo Van	Drawn By: Manh Ngo Van	Rev: 1.0
Date: 7/10/2021		Sheet 2 of 2		