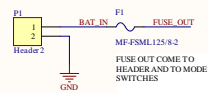
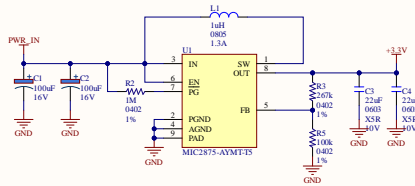


BATTERY INPUT

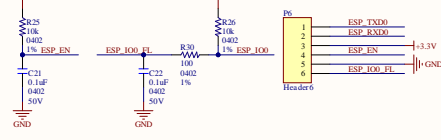


BUCK BOOST CONVERTER

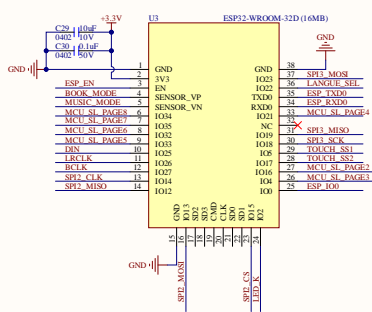
$$V_{OUT} = 0.9 \cdot (1 + R2/R1) = 0.9 \cdot (1 + 267/100) = 3.303V$$



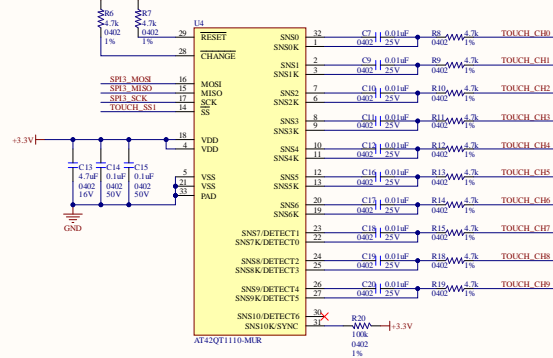
DEBUG HEADER



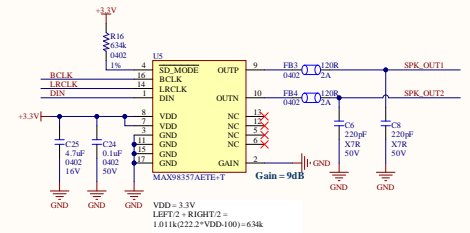
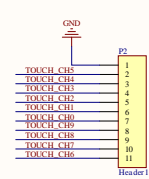
ESP32-WROOM MODULE



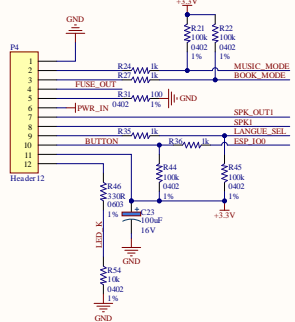
CAPACITIVE TOUCH - LAST PAGE



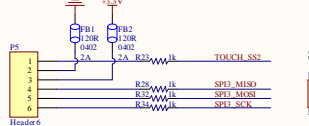
LAST PAGE CONNECTOR



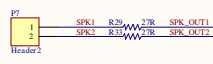
MENU HEADER



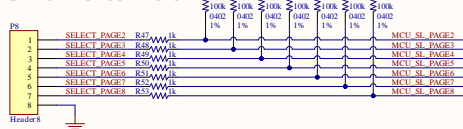
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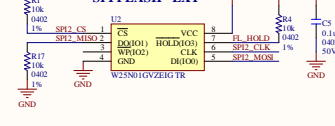
SPEAKER



SELECT PAGE CONNECTOR



SPI FLASH - EXT



	Address: 90 Nguyen Tuan Street, Thanh Xuan Hanoi - Vietnam
Title: Smart Toy Main Board REV03 Schematic	
Size: A2	Document Number: 2
Date: 11/16/2021	Engineer: Manh Ngo Van Drawn By: Manh Ngo Van Rev: 3.0
	Sheet 2 of 2