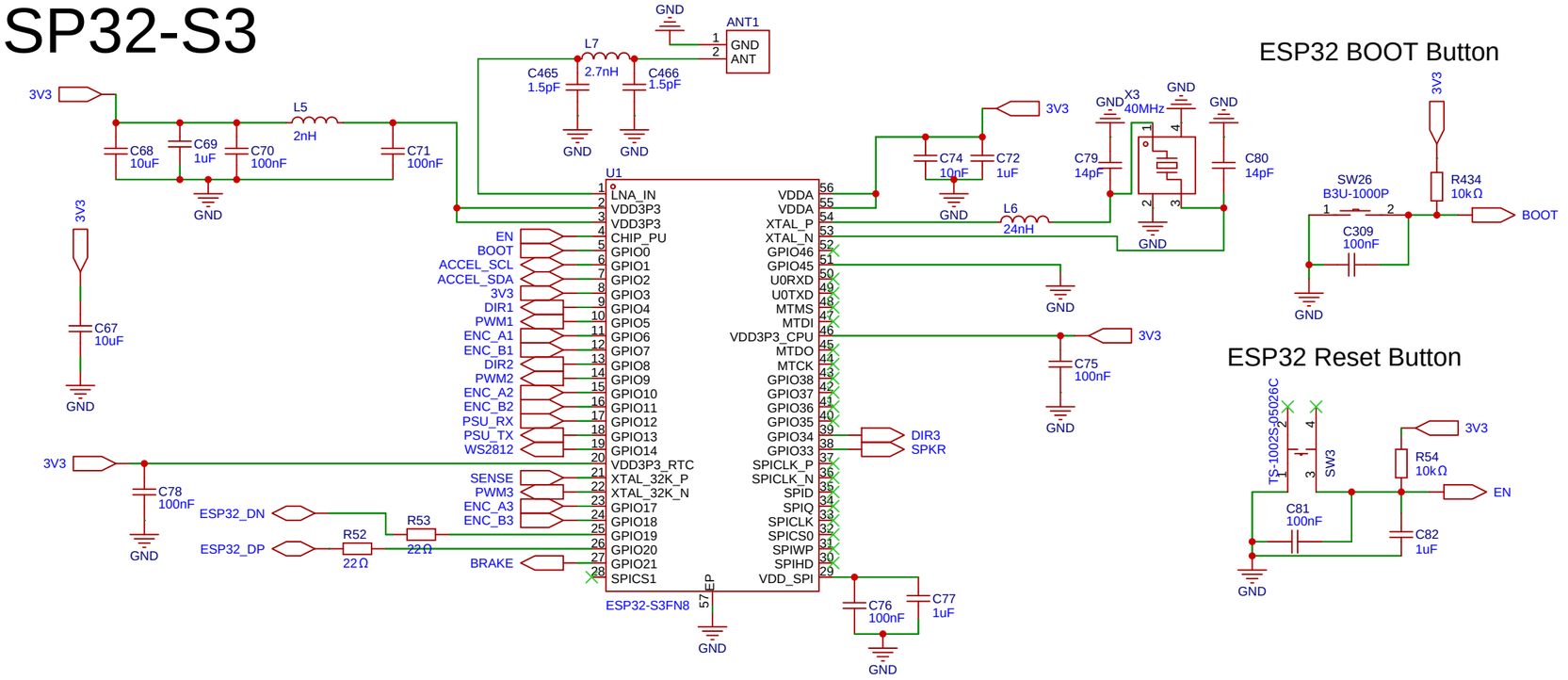
ESP32-S3

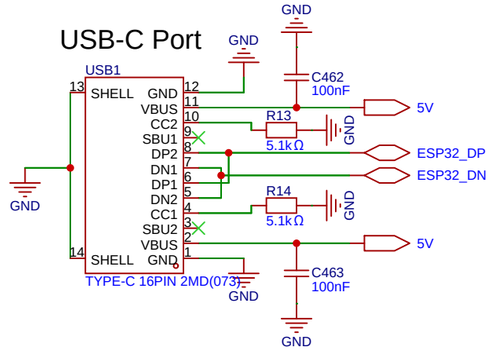


ESP32 BOOT Button

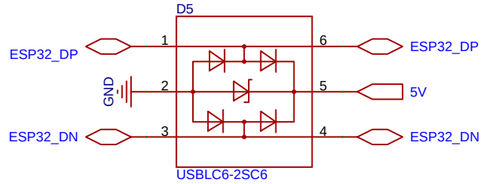
ESP32 Reset Button

USB Stuff

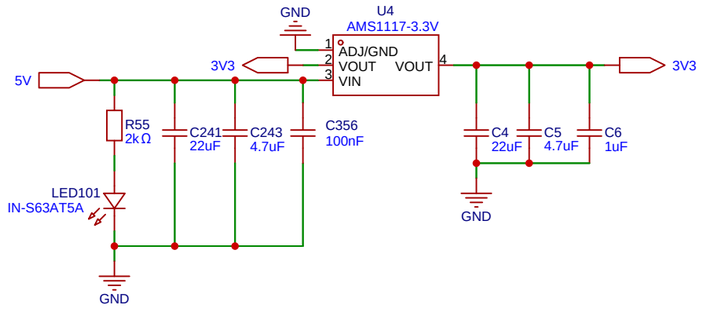
USB-C Port



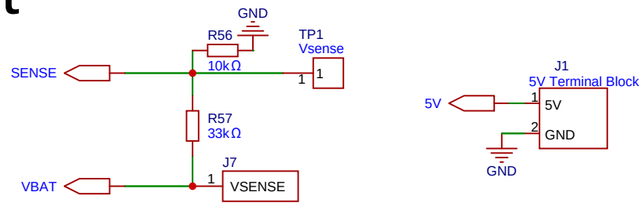
USB ESD Protection



3.3V Regulation

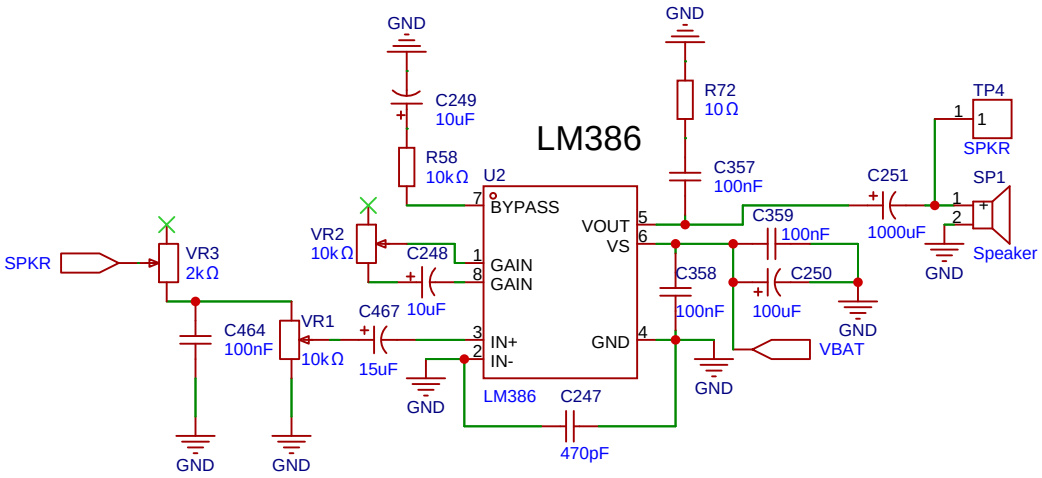


Power Input

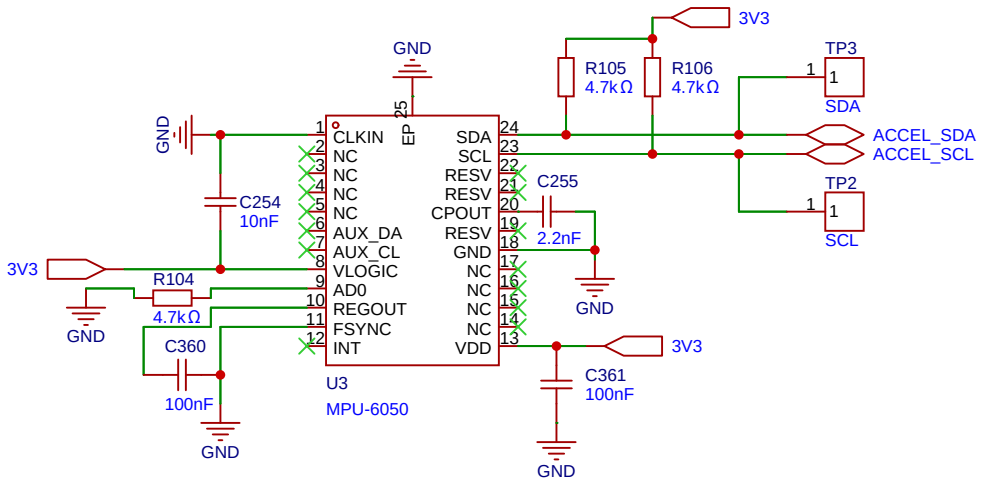


Schematic	CSCE 491 Multi-Test Board	Update Date	2026-01-16
Page	Power and ESP32	Create Date	2025-11-10
Drawn		Part Number	
Reviewed	CSCE 491 Project Board - SMD Edition		
		VER	V1.0
		SIZE	A4
		PAGE 1 OF 3	
EasyEDA		EasyEDA.com	

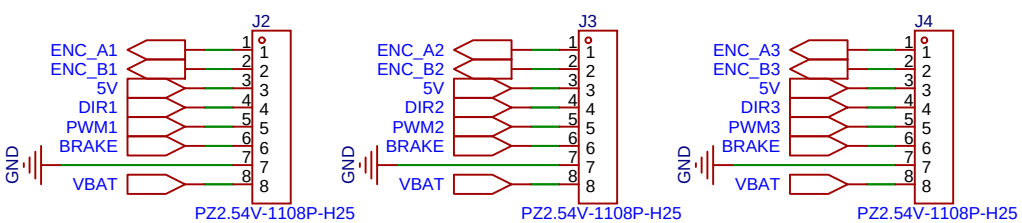
Speaker Amp



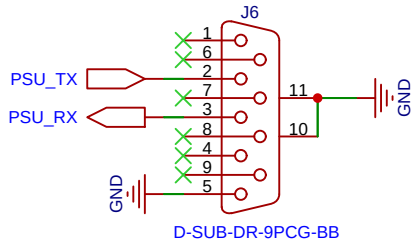
MPU-6050 IMU



Motor Connectors

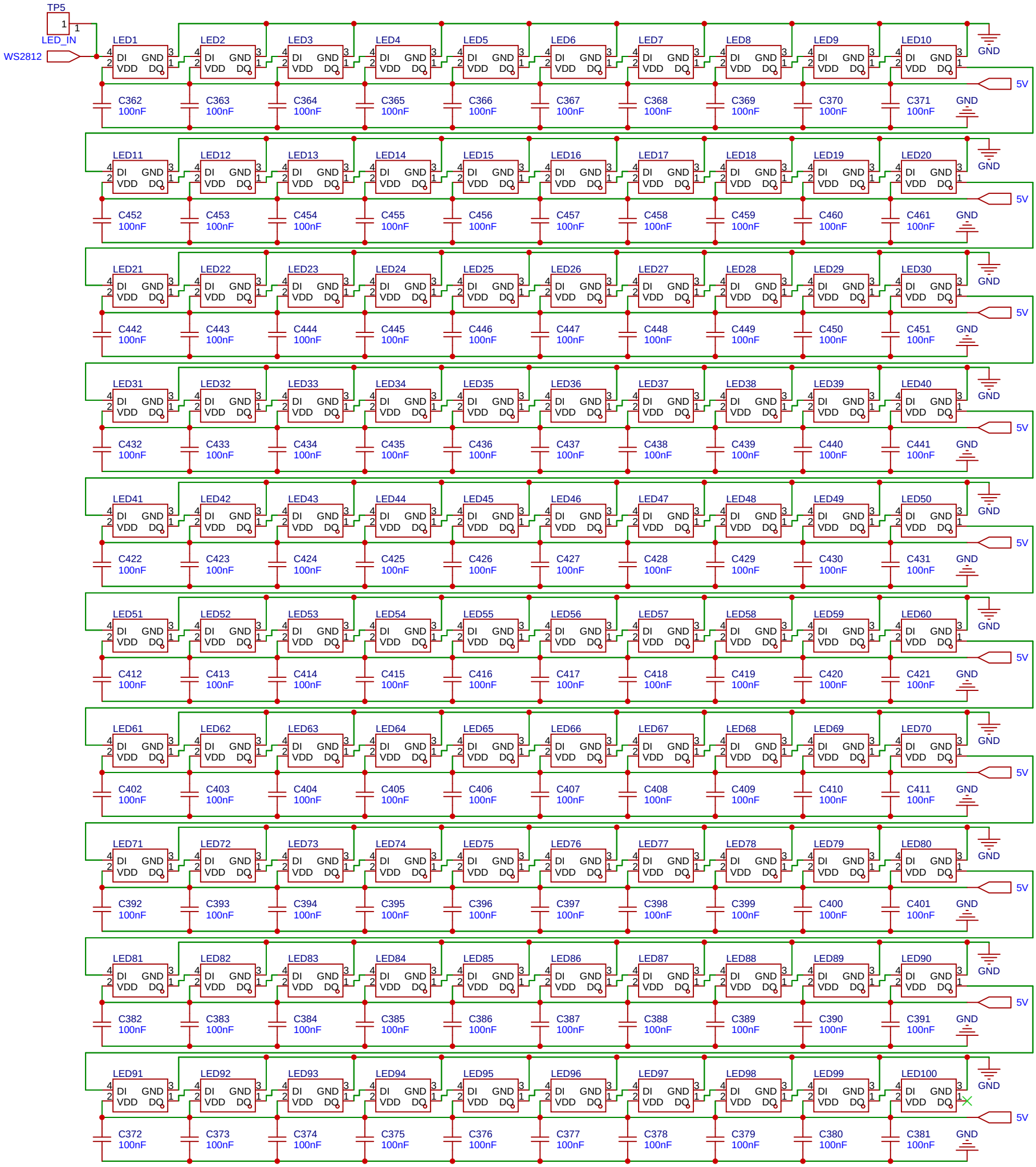


Serial Connector



Schematic	CSCE 491 Multi-Test Board	Create at	2025-11-10
		Update at	2026-01-14
Board	CSCE 491 Multi-Test Board	Page	Peripherals
Drawn		CSCE 491 Project Board - SMD Edition	
Reviewed			
		Version	Size	Page 2 Total 3
EasyEDA		V1.0	A4	EasyEDA.com

WS2812 LED Matrix



Schematic	CSCE 491 Multi-Test Board	Create at	2025-11-10
		Update at	2026-01-14
Board	CSCE 491 Multi-Test Board	Page	WS2812 Matrix
Drawn		CSCE 491 Project Board - SMD Edition	
Reviewed			
		Version	Size	Page 3 Total 3
EasyEDA		V1.0	A4	EasyEDA.com