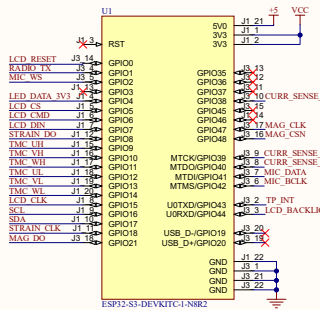
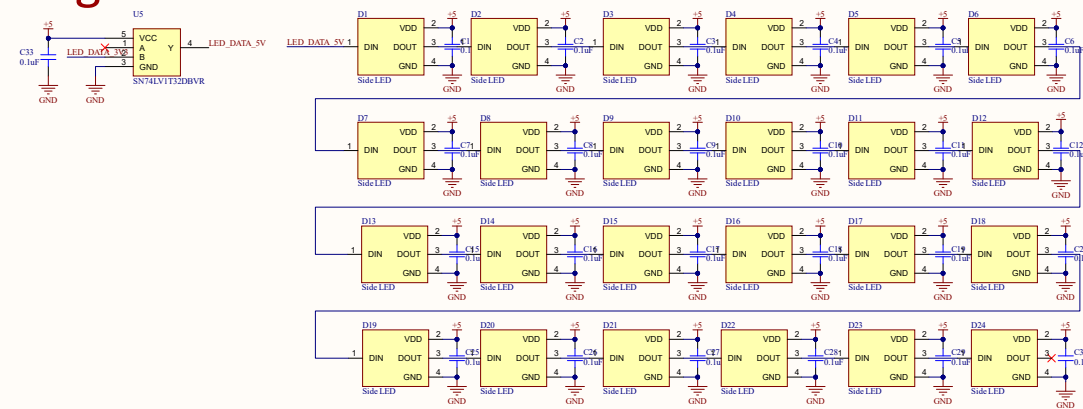


# ESP32

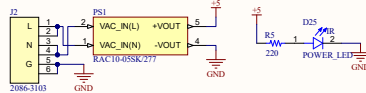


## LED Ring

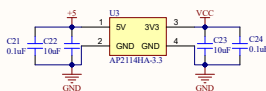


# Power

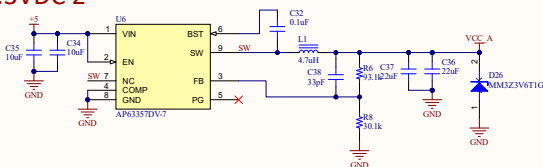
## 120VAC to 5VDC



## 5VDC to 3.3VDC 1

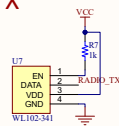


## 5VDC to 3.3VDC 2

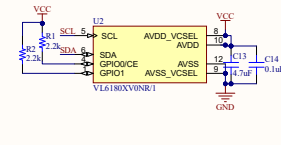


## Sensors

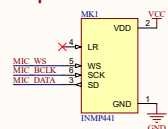
Radio TX



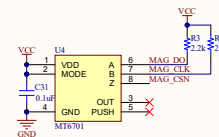
## ALS+Distance



## Microphone

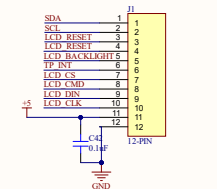


## Encoder

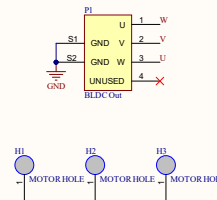


## Connectors

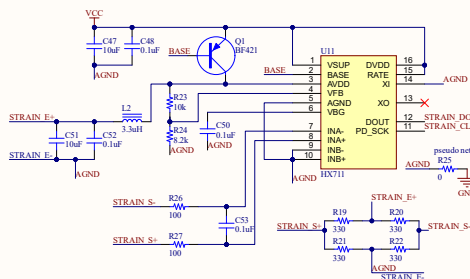
LCD



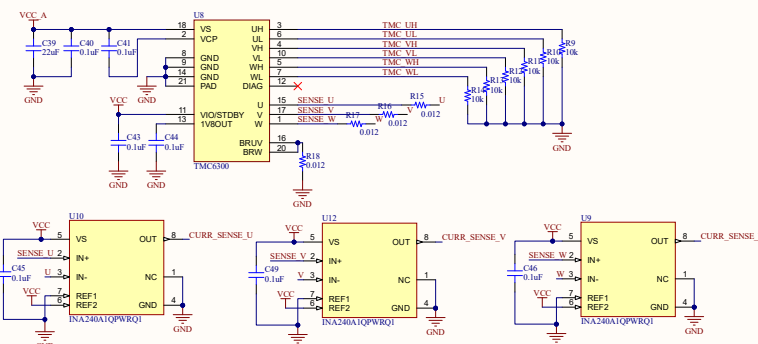
## Motor



# Strain Gauge



## Motor Driver + Current Sense



APPROVALS		DATE	PROJECT		Altium	
ENG:						
DES:						
CHK:						
REFERENCE DOCUMENTS			PROJECT REVISION		DOCUMENT REVISION	
BCM:			TITLE		DESIGN ITEM	
			*		Not in version control Not in version control	
ASSY DWG.			SIZE	CAGE CODE	DWG NO.	REV
FAB DWG.			C			
PCB DWG.			SCALE	FILE NAME	smartknob base v3 1.SchDoc	SHEET 1 OF 1