

A

A

B

B

C

C

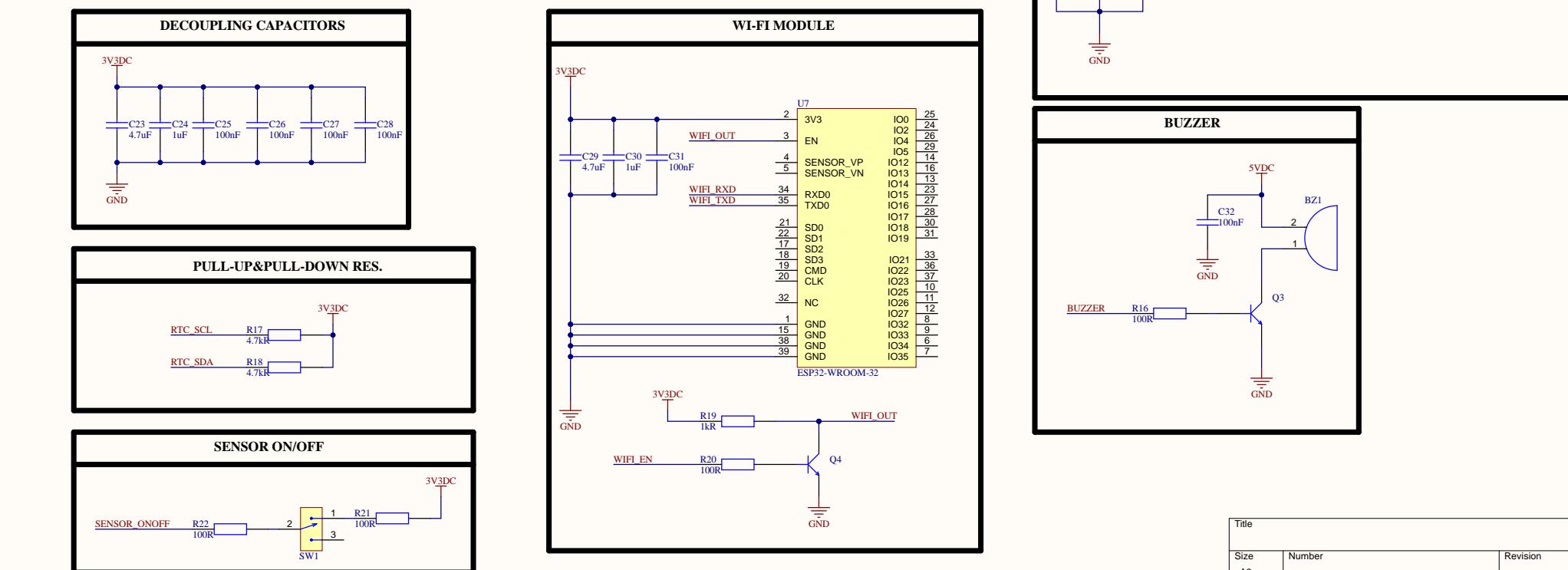
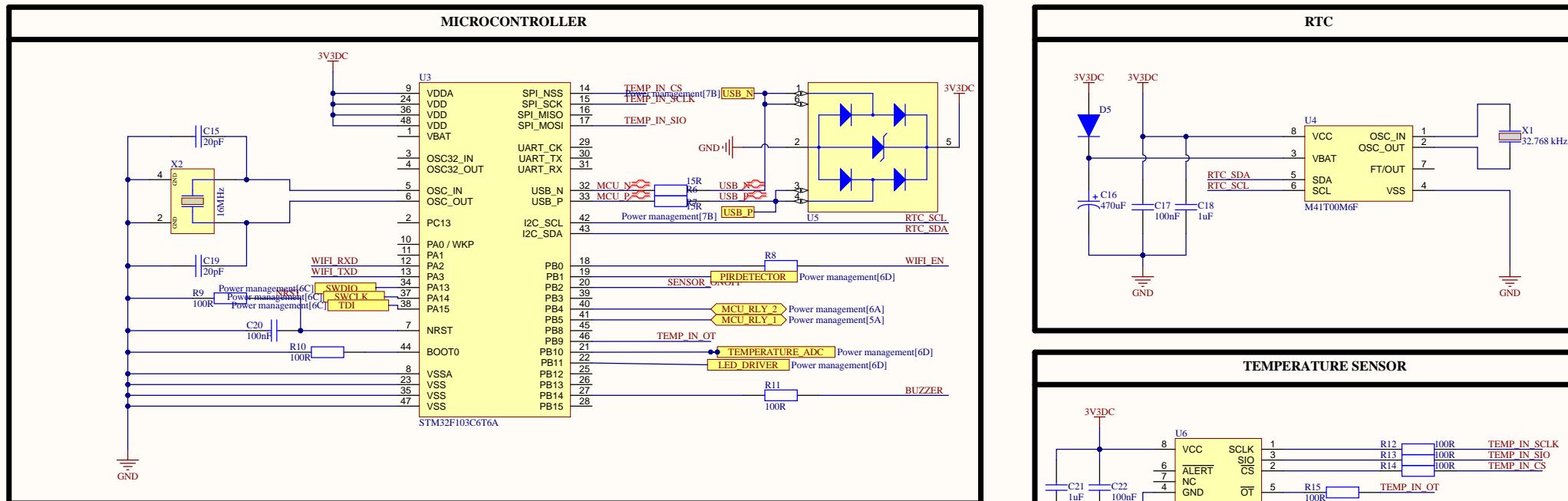
D

D

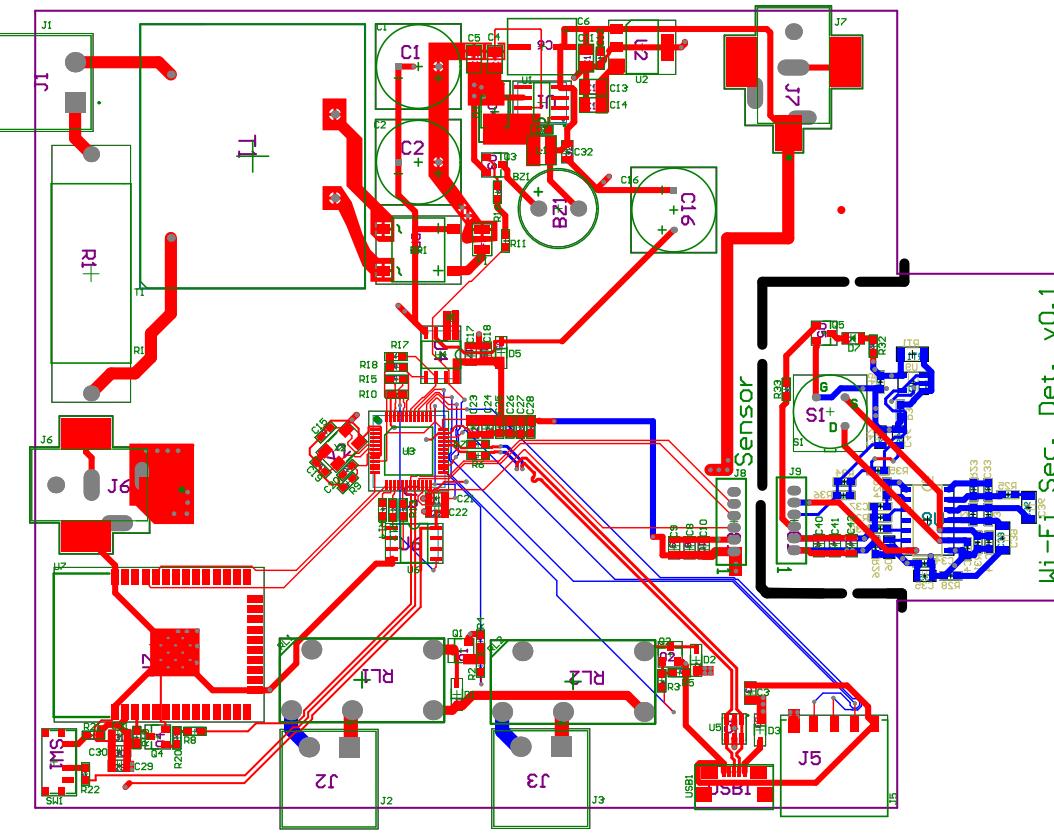
Gerilim Seviyesine Göre Hatlar Arası Mesafe		
Gerilim Aralığı (V)	İç Katmanlar (mil)	Dış Katmanlar (mil)
0-15	>1.97	>3.94
16-30	>1.97	>3.94
31-50	>3.94	>23.62
171-250	>7.87	>49.21
251-300	>7.87	>49.21
>500	>9.94	>98.62

Hat Genişliklerine göre Akım Taşıma Kapasitesi		
Akim Kapasitesi (A)	İç Katmanlar (mil)	Dış Katmanlar (mil)
<1	10	10
<1.4	15	15
<1.52	20	20
<1.72	25	25
<1.92	30	30
<2.23	40	40
<2.60	50	50

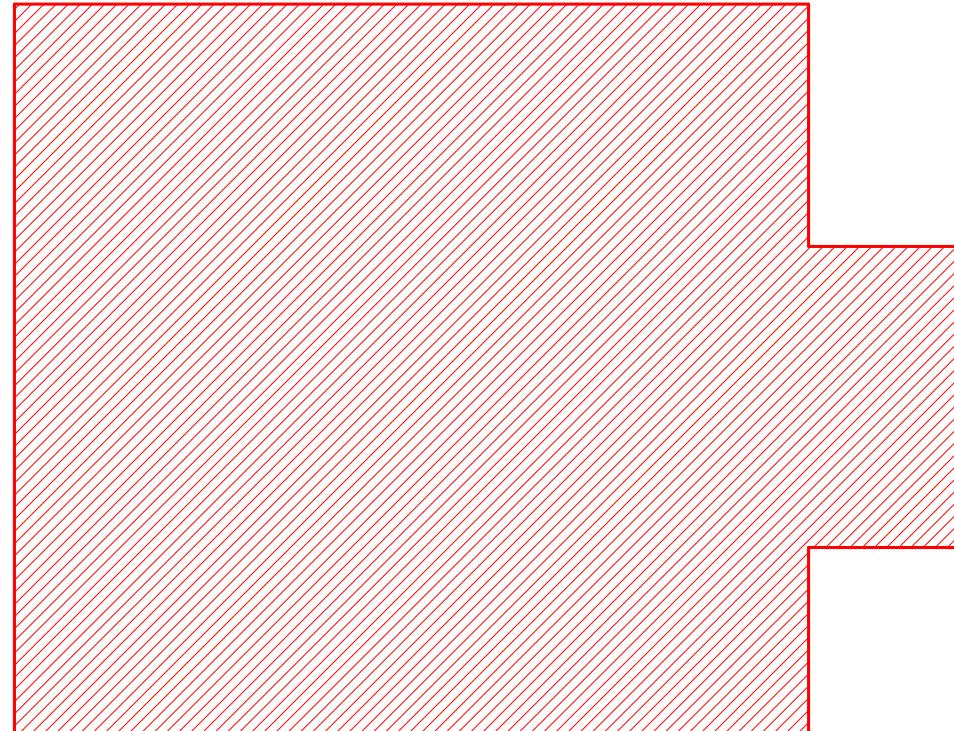
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Size A4	Number	Revision
Date:	2.23.2025	Sheet of
File:	C:\Users\...\Cover.SchDoc	Drawn By:



Title		
Size	Number	Revision
A3		
Date: 22.23.2025		Sheet of
File: C:\Users\.\Microcontroller.SchDoc		Drawn By:

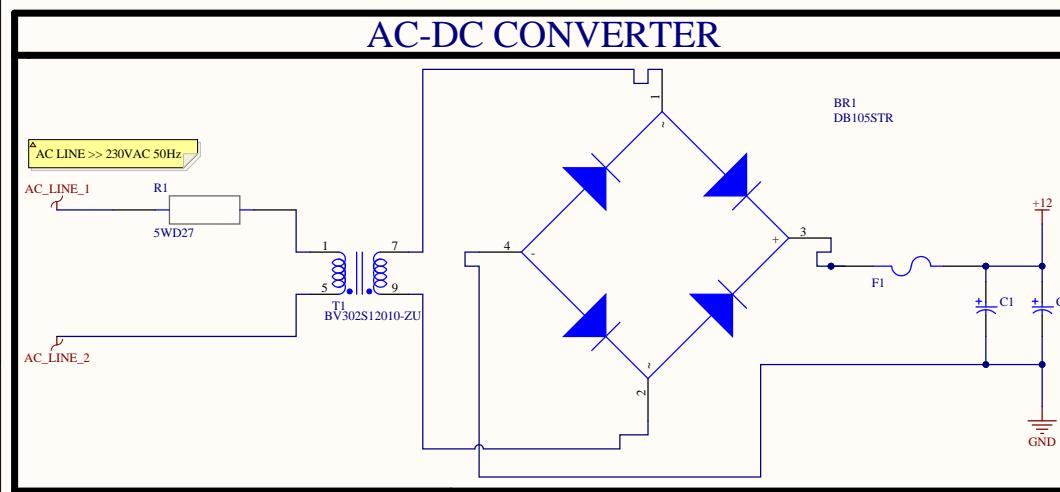


Layer	Name	Material	Thickness	Constant	Board Layer Stack
	Top Overlay				
	Top Solder	SM-001	1.00mil	4	
	Top Surface Finish	PbSn	0.79mil		
1	Top Layer	CF-004	1.38mil		
	Dielectric 1	PP-017	5.10mil	4.3	
	Dielectric 2	PP-017	5.10mil	4.3	
2	Int1 (GND)	CF-004	1.38mil		
	Dielectric 3	Core-039	28.00mil	4.8	
3	Int2 (PWR)	CF-004	1.38mil		
	Dielectric 4	PP-017	5.10mil	4.3	
	Dielectric 5	PP-017	5.10mil	4.3	
4	Bottom Layer	CF-004	1.38mil		
	Bottom Surface Finish	PbSn	0.79mil		
	Bottom Solder	SM-001	1.00mil	4	
	Bottom Overlay				

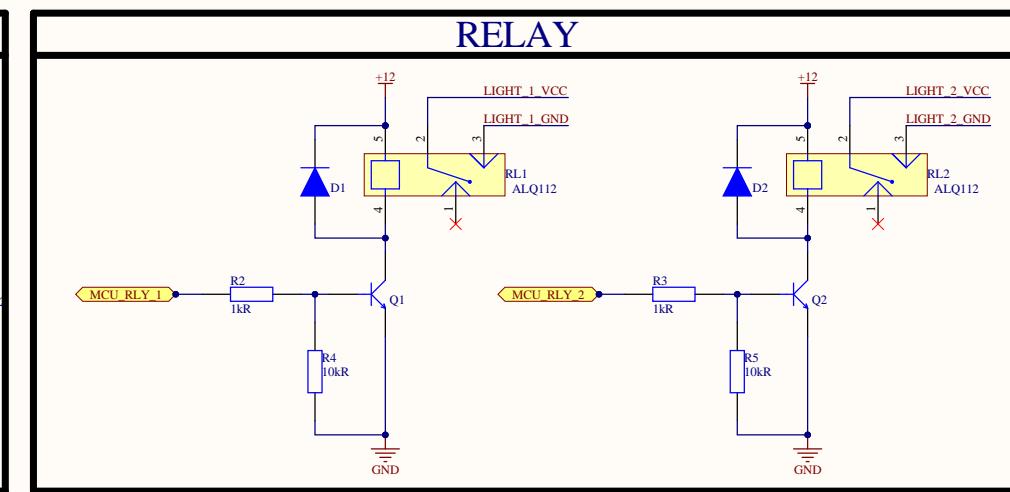


1

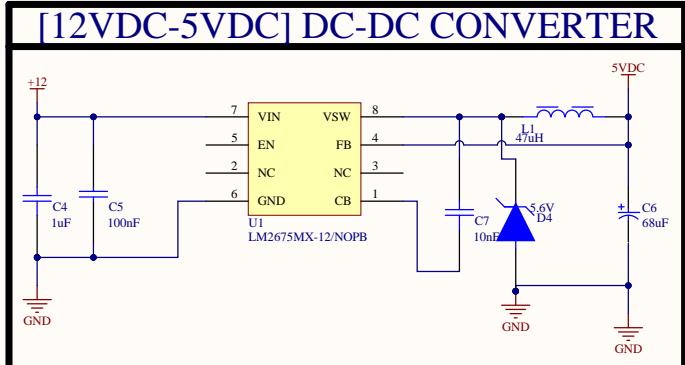
## AC-DC CONVERTER



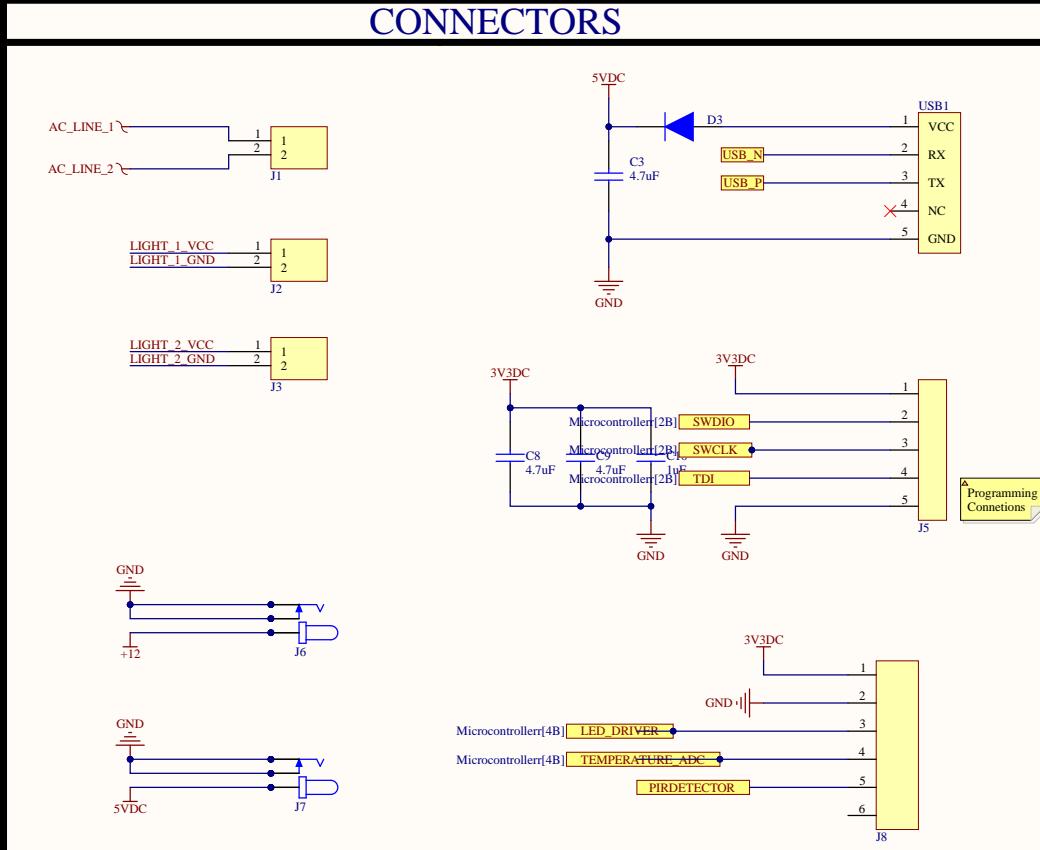
## RELAY



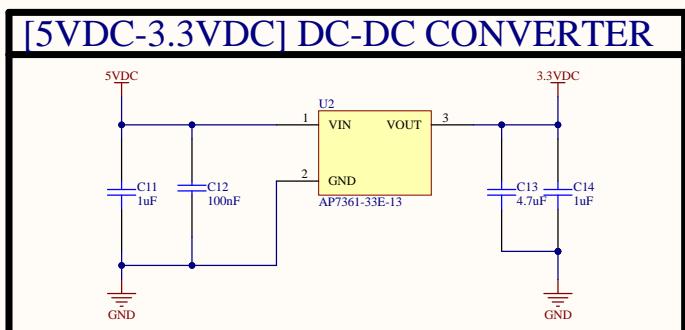
## [12VDC-5VDC] DC-DC CONVERTER



## CONNECTORS



## [5VDC-3.3VDC] DC-DC CONVERTER



Title		
Size	Number	Revision
A3		
Date: 2.23.2025	Sheet of	
File: C:\Users...\Power management.SchDoc		Drawn By:

# Board Stack Report