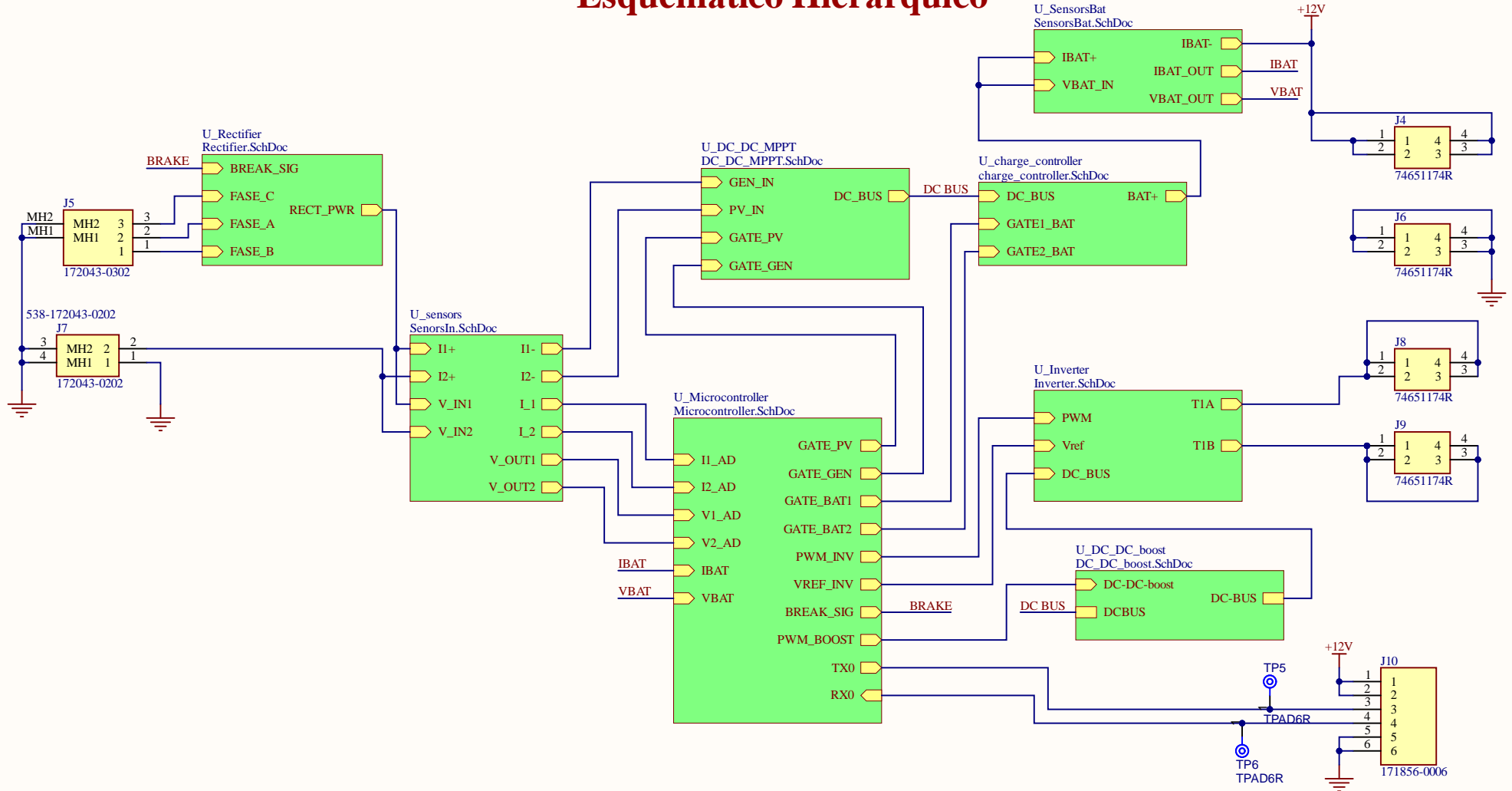
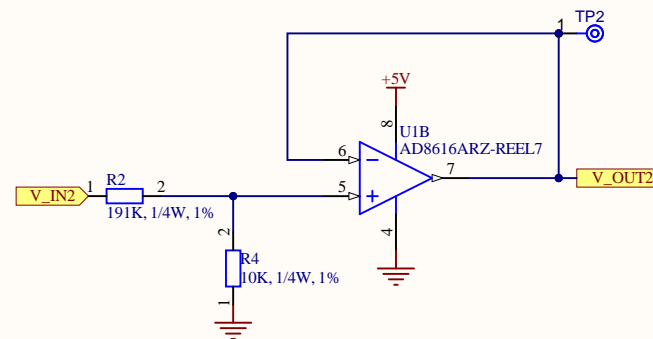
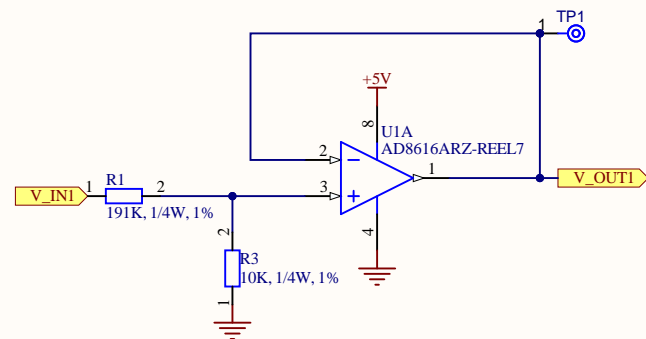


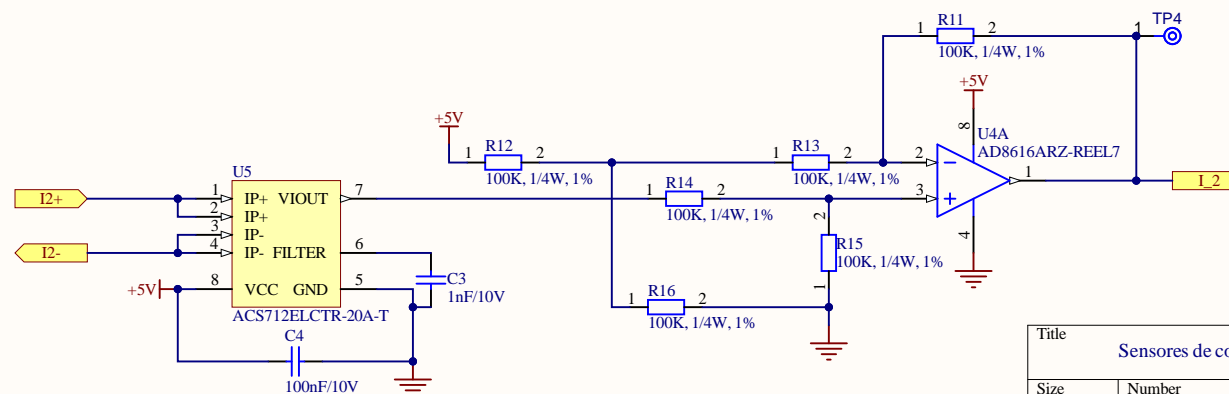
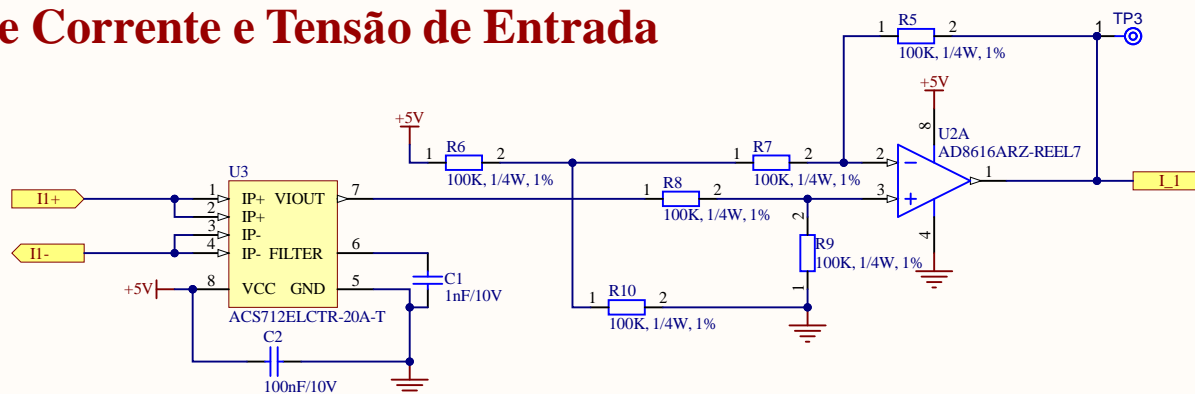
Esquemático Hierárquico



Title		
Esquemático principal da placa de potência.		
Size	Number	Revision
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Date:	4/22/2021	Sheet of
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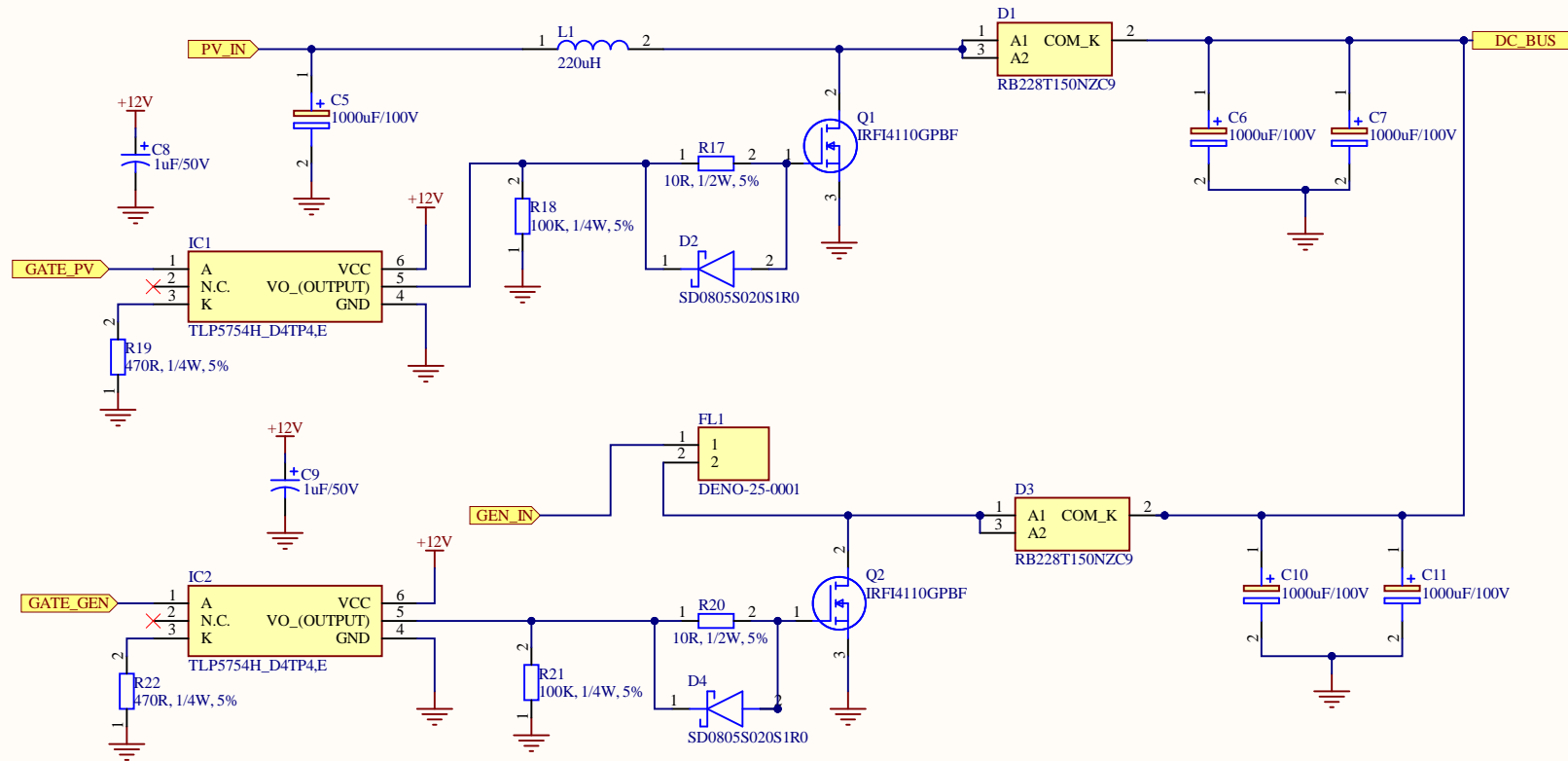


Sensores de Corrente e Tensão de Entrada



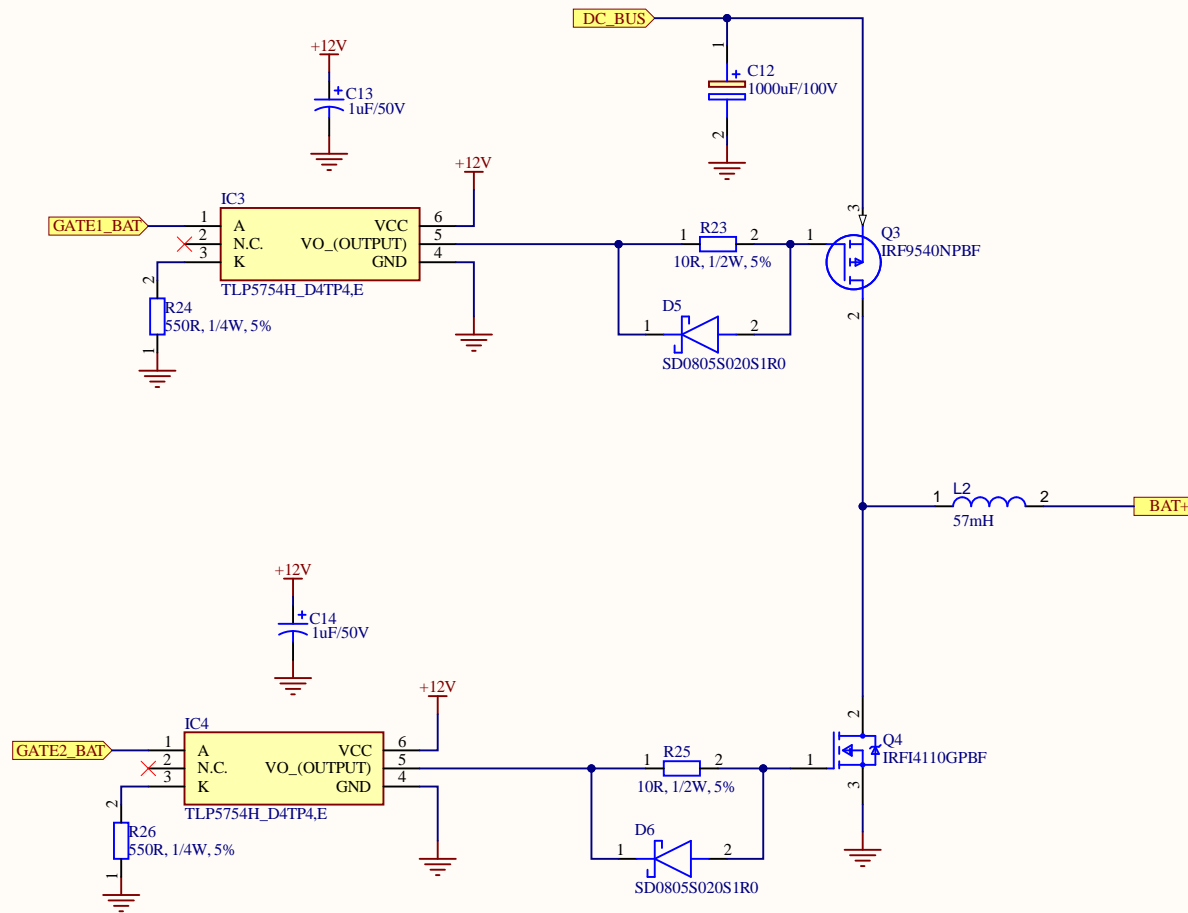
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Sensores de corrente e tensão de entrada.		
Size	Number	Revision
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Date:	4/22/2021	Sheet of
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Conversores DC-DC para o MPPT



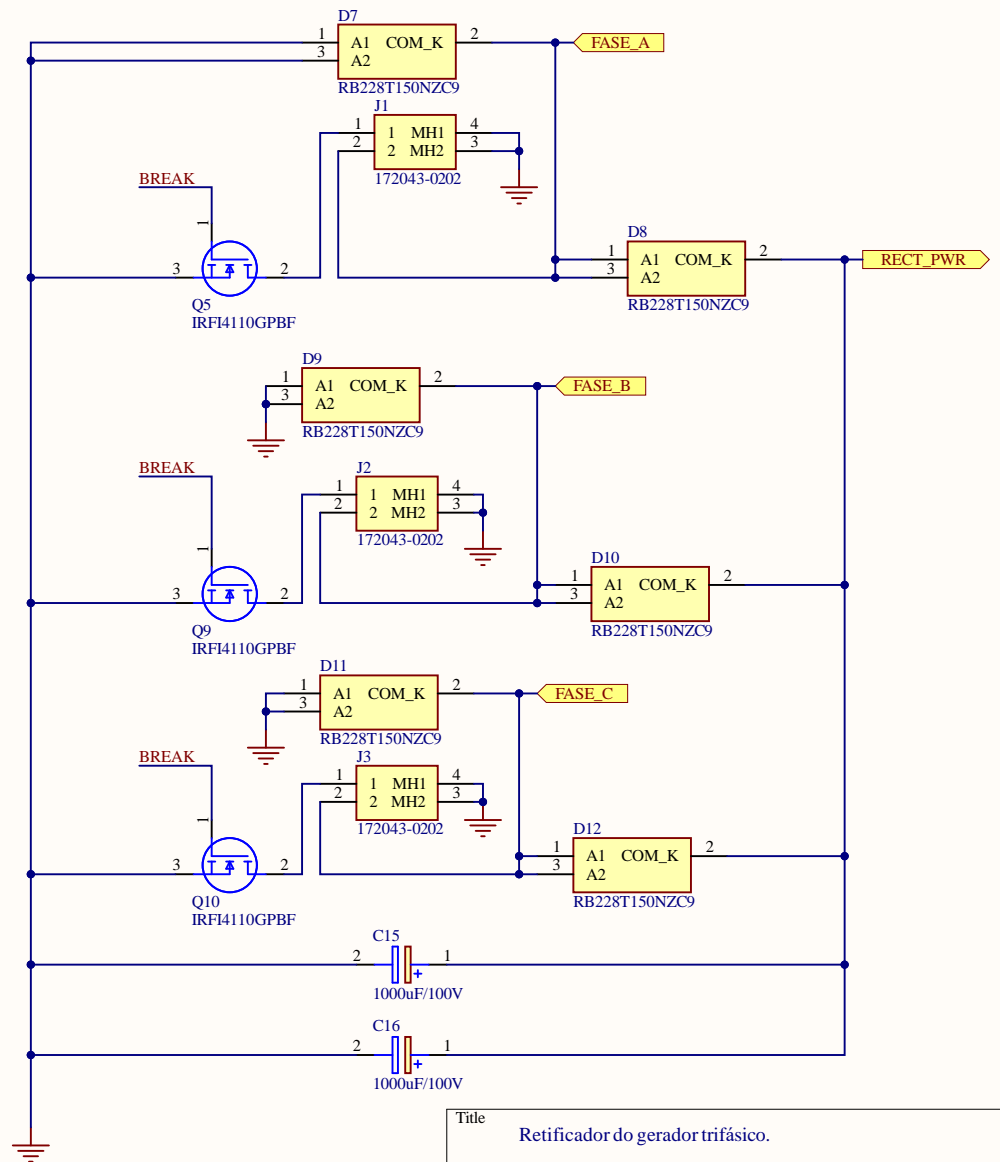
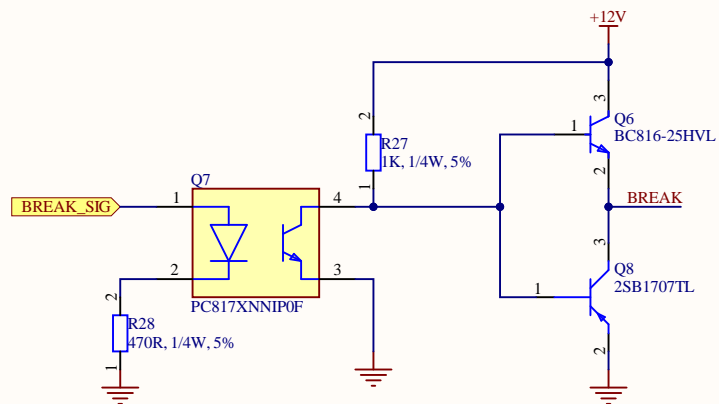
Title DC-DC boost para placa fotovoltaica e para o gerador eolico.		
Size A4	Number	Revision V1.2
Date: 4/22/2021	Sheet of	
File: C:\Users\...\DC_DC_MPPT.SchDoc	Drawn By:	

Controlador de Carga Bidireccional



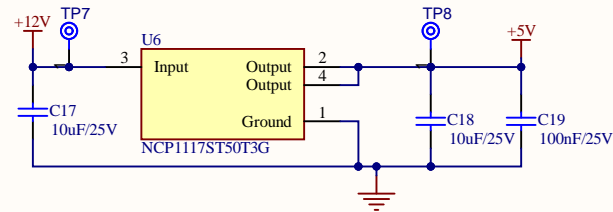
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Controlador de cargas.		
Size	Number	Revision
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Date:	4/22/2021	Sheet of
File:	C:\Users\...\charge_controller.SchDoc	Drawn By:

Retificador

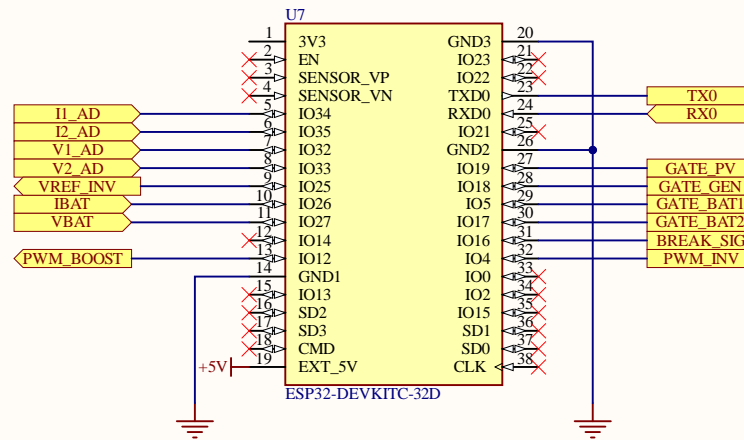


Title		
Retificador do gerador trifásico.		
Size	Number	Revision
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Date:	4/22/2021	Sheet of
File:	C:\Users\...\Rectifier.SchDoc	Drawn By:

Regulador de tensão

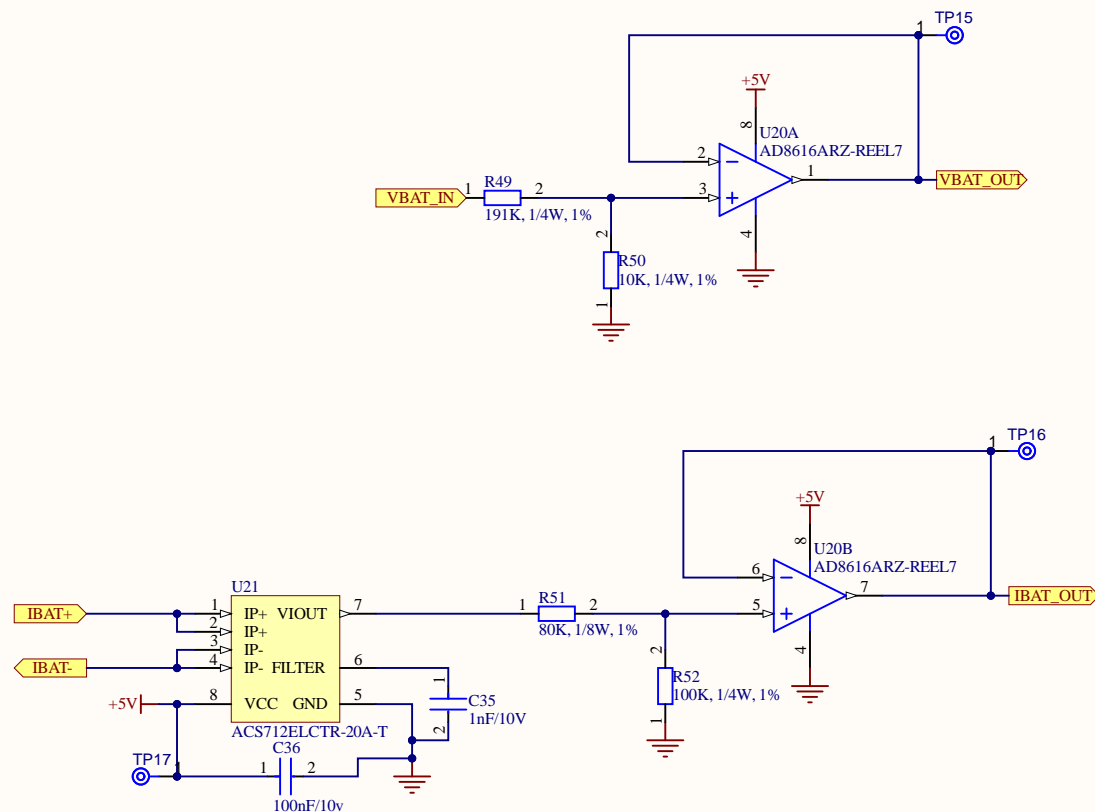


Microcontrolador



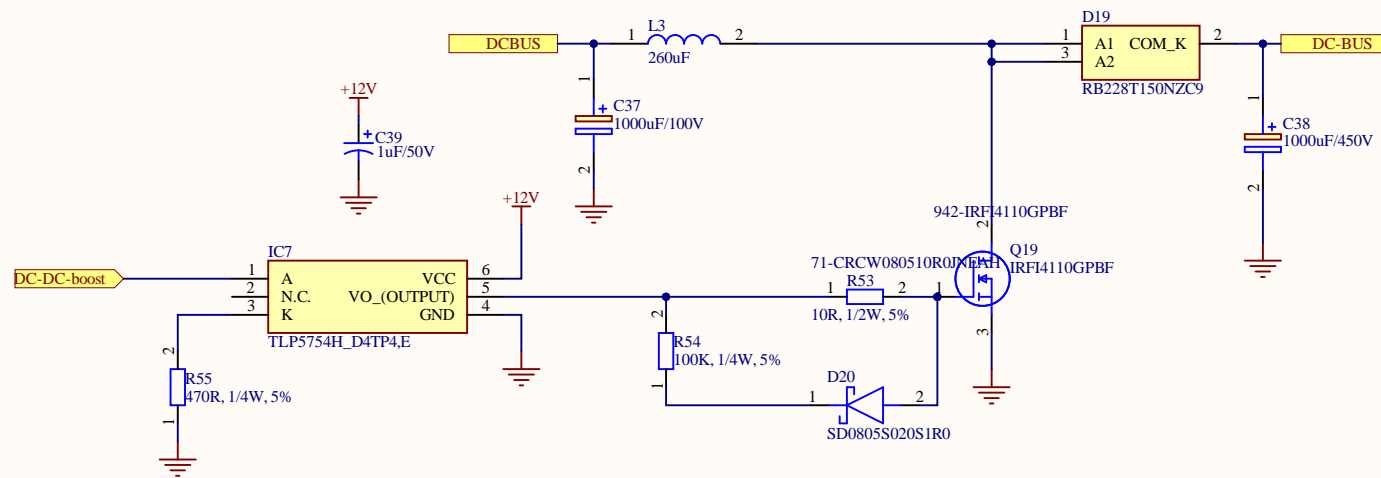
Title Esquema de ligação do microcontrolador.			
Size A4	Number		Revision V1.2
Date:	4/22/2021	Sheet of	
File:	C:\Users\...\Microcontroller.SchDoc	Drawn By:	

Sensor de corrente e tensão para a bateria



Title Sensores de tensão e corrente da bateria.		
Size A4	Number	Revision V1.2
Date: 4/22/2021	Sheet of	
File: C:\Users\...\SensorsBat.SchDoc	Drawn By:	

Conversor DC-DC Boost



Title		
Size	Number	Revision
A4		
Date:	4/22/2021	Sheet of
File:	C:\Users\...\DC_DC_boost.SchDoc	Drawn By:

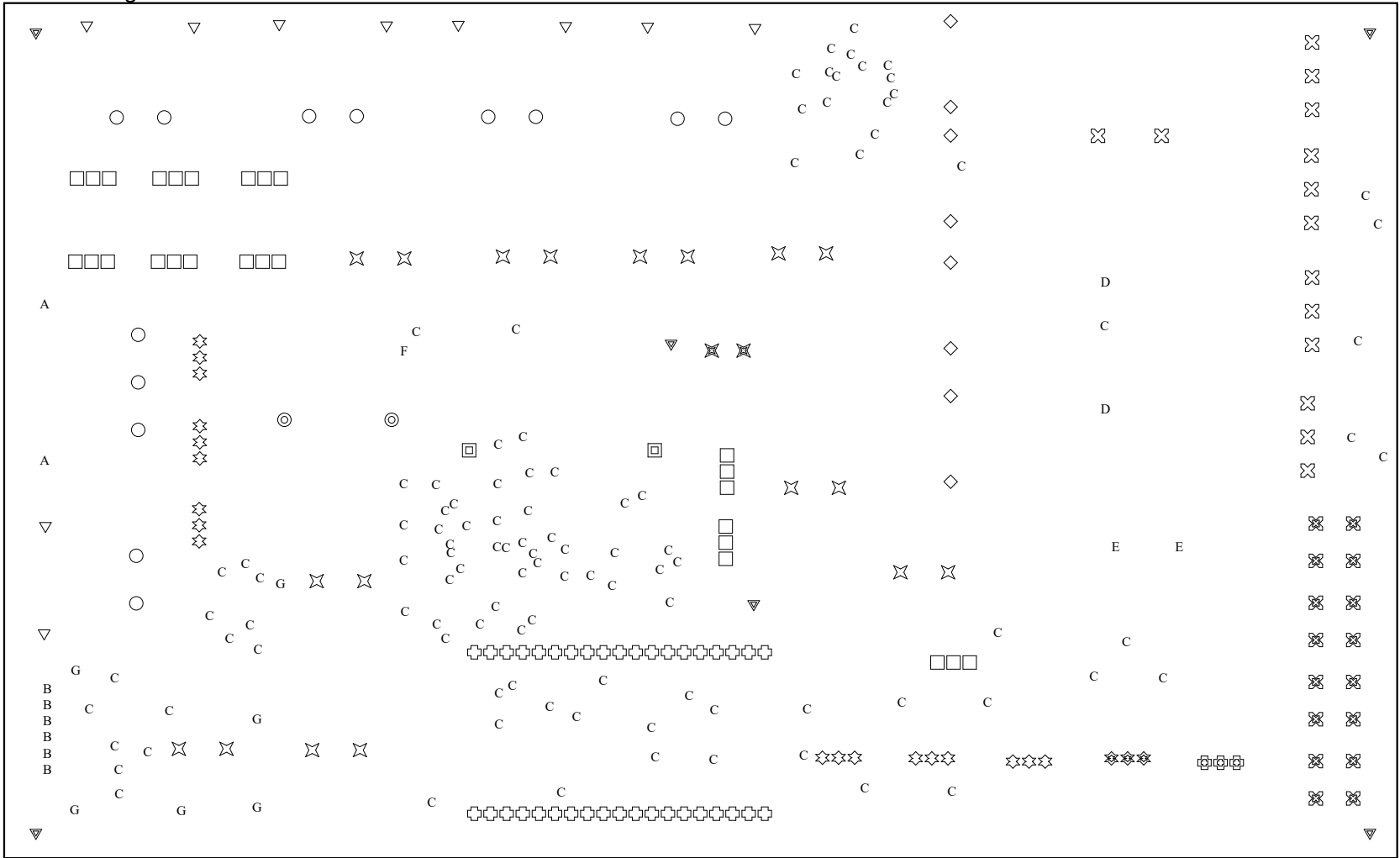
A

B

C

D

Drill Drawing View



Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
	2	1.50	Plated	
	18	1.05	Plated	
	2	1.32	Plated	
	38	1.04	Plated	
	16	1.85	Plated	
	14	2.00	Plated	
	2	1.80	Plated	
	2	2.30	Plated	
	8	1.55	Plated	
	13	5.00	Plated	
	10	3.00	Plated	
	6	3.50	Plated	
	27	1.37	Plated	
	18	1.33	Plated	
	3	1.28	Plated	
	2	0.90	Plated	
	3	1.30	Plated	
	2	3.13	Plated	
	6	1.20	Plated	
	106	0.30	Plated	
	6	0.71	Plated	
	1	0.60	Plated	

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		TOLERANCES:	CHECKED			TITLE			
		FRACTIONAL±							
		ANGULAR: MACH± BEND ±	ENG APPR.						
		TWO PLACE DECIMAL ±							
		THREE PLACE DECIMAL ±	MFG APPR.						
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			COMMENTS:			
		MATERIAL							
NEXT ASSY	USED ON	FINISH				SIZE	DWG. NO.		
APPLICATION		DO NOT SCALE DRAWING				SCALE:	1:1	WEIGHT:	SHEET 1 OF 5

A

B

C

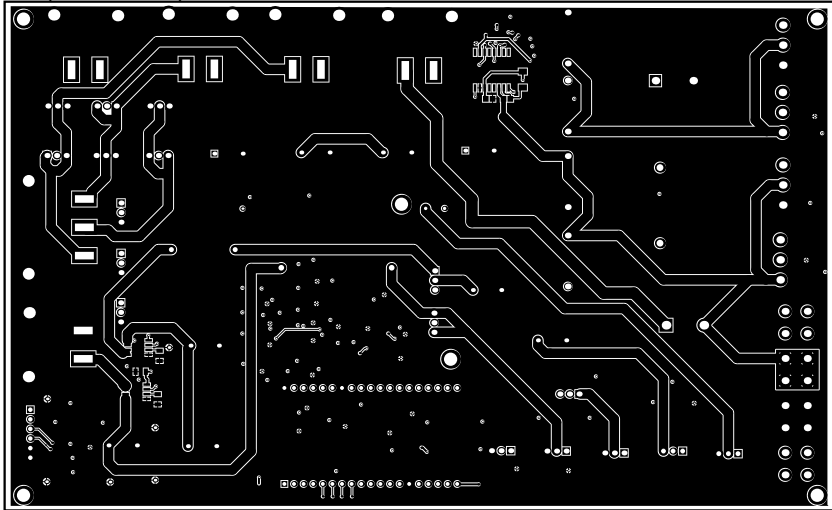
D

Layer Stack Legend						
	Material	Layer	Thickness	Dielectric Material	Type	Gerber
		Top Overlay			Legend	GTO
	Surface Material	Top Solder	0.01mm	Solder Resist	Solder Mask	GTS
	CF-004	L1	0.14mm		Signal	GTL
	Prepreg		0.07mm	PP-006	Dielectric	
	CF-004	L2	0.14mm		Signal	G1
			0.32mm	FR-4	Dielectric	
	CF-004	L3	0.14mm		Signal	G2
	Prepreg		0.07mm	PP-006	Dielectric	
	CF-004	L4	0.14mm		Signal	GBL
	Surface Material	Bottom Solder	0.01mm	Solder Resist	Solder Mask	GBS
		Bottom Overlay			Legend	GBO
Total thickness: 1.04mm						

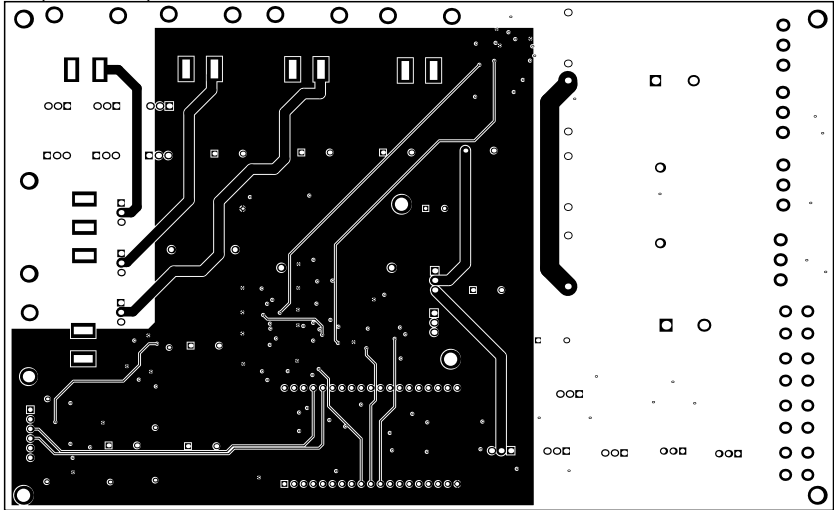
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			DRAWN		4/22/2021			
			CHECKED					
			ENG APPR.					
			MFG APPR.			COMMENTS:		
			Q.A.					
			NEXT ASSY			USED ON		
			APPLICATION			DO NOT SCALE DRAWING		
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						SCALE: 1:1	WEIGHT:	SHEET 2 OF 5

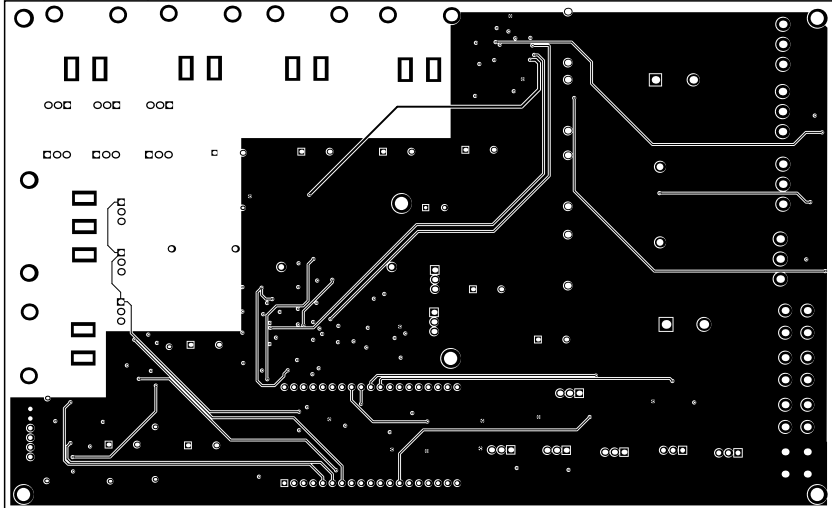
L1 (Scale: 1:2)



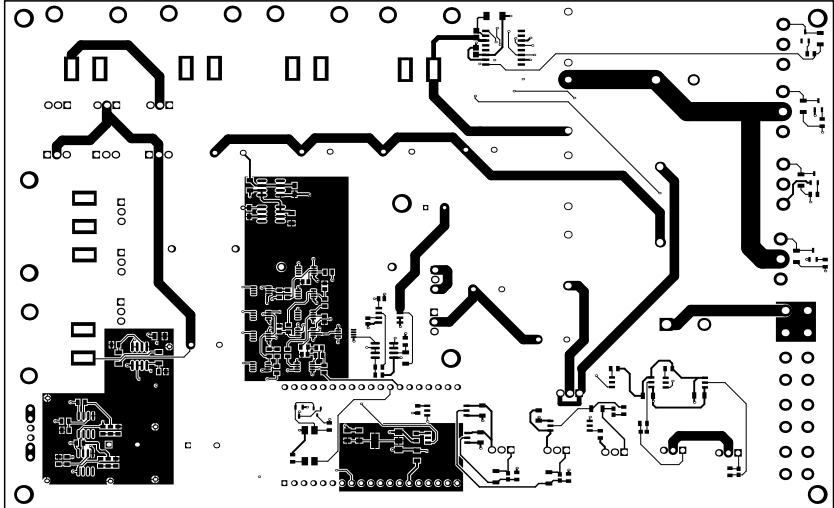
L2 (Scale 1:2)



L3 (Scale 1:2)



L4 (Scale 1:2)



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		ANGULAR: MACH± BEND ±	MFG APPR.					
		TWO PLACE DECIMAL ±				COMMENTS:		
		THREE PLACE DECIMAL ±						
		INTERPRET GEOMETRIC	Q.A.			SIZE	DWG. NO.	
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NEXT ASSY	USED ON	FINISH						
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:1	WEIGHT:	SHEET 3 OF 5

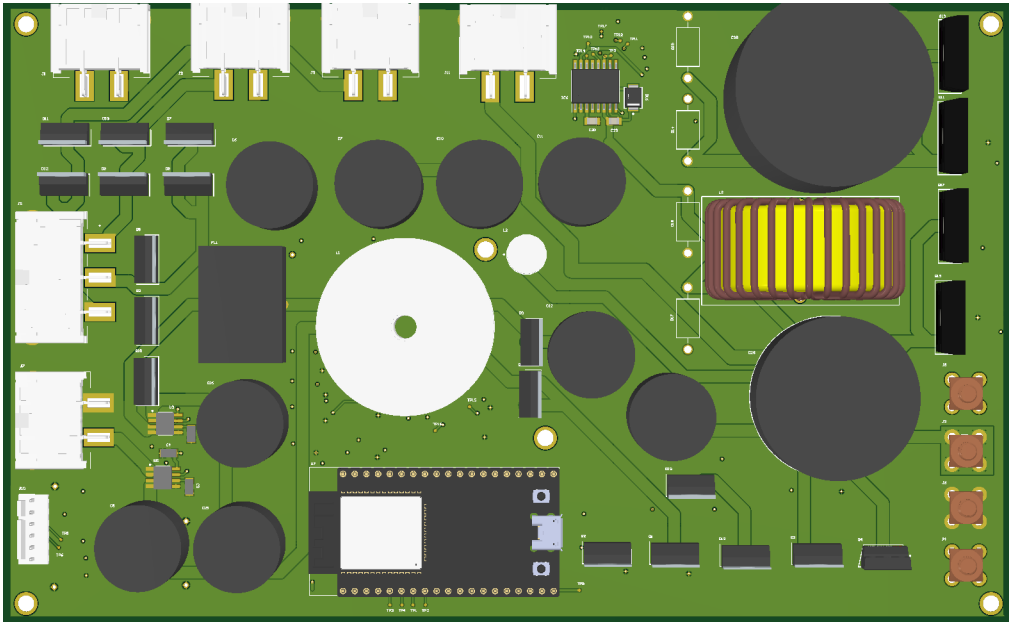
A

B

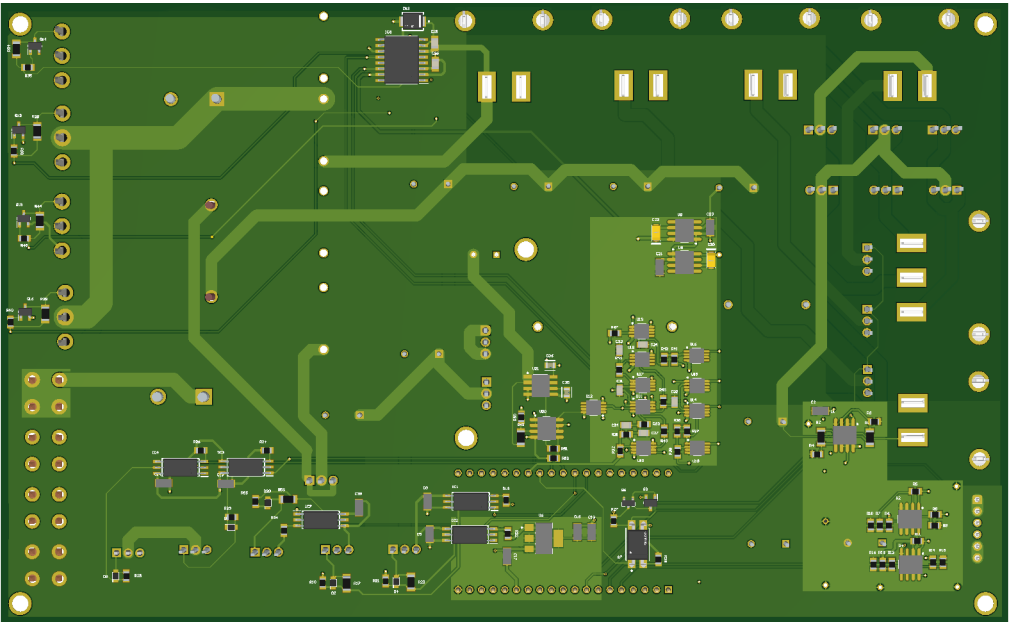
C

D

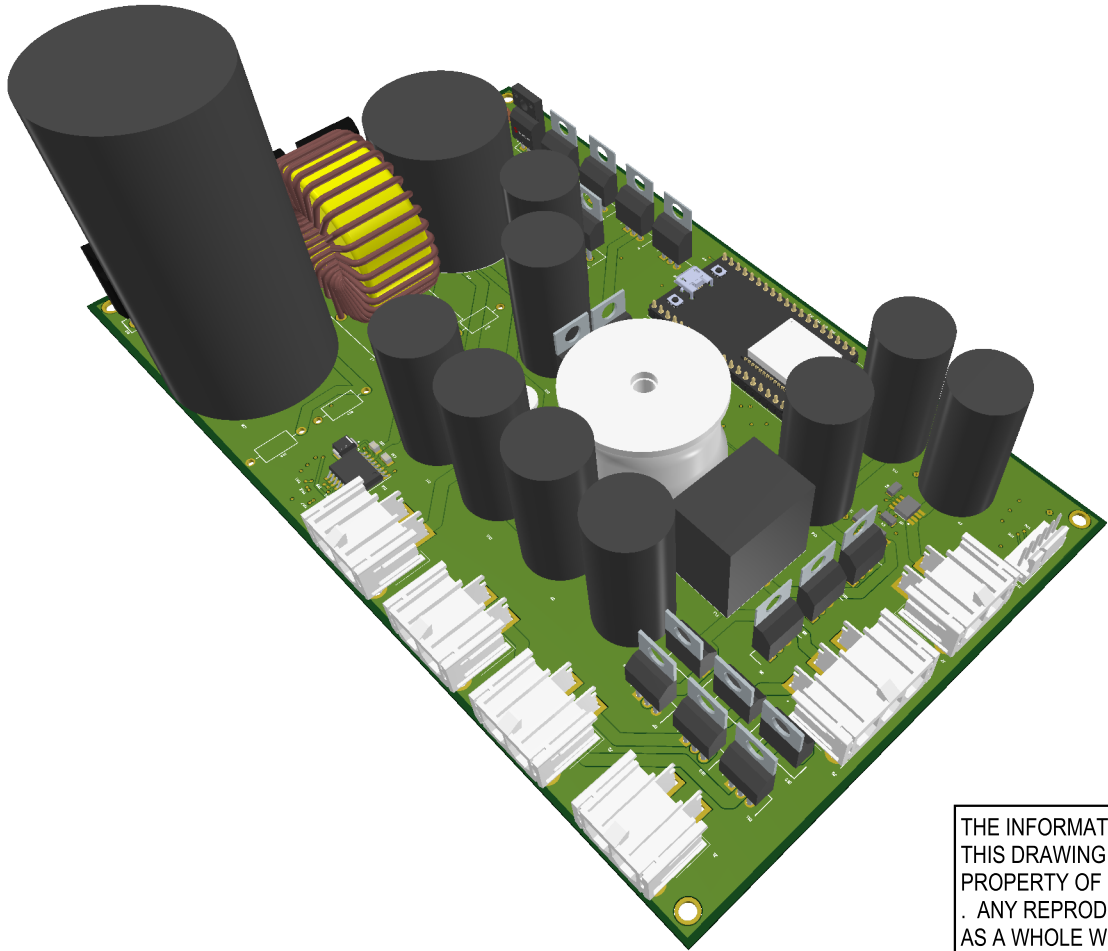
Realistic View



Realistic View



Realistic View



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		ANGULAR: MACH± BEND ±	MFG APPR.						
		TWO PLACE DECIMAL ±							
		THREE PLACE DECIMAL ±							
		INTERPRET GEOMETRIC	Q.A.			COMMENTS:			
		TOLERANCING PER:							
		MATERIAL							
NEXT ASSY	USED ON	FINISH				SIZE	DWG. NO.		
APPLICATION		DO NOT SCALE DRAWING				SCALE:	1:1	WEIGHT:	SHEET 5 OF 5

A

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