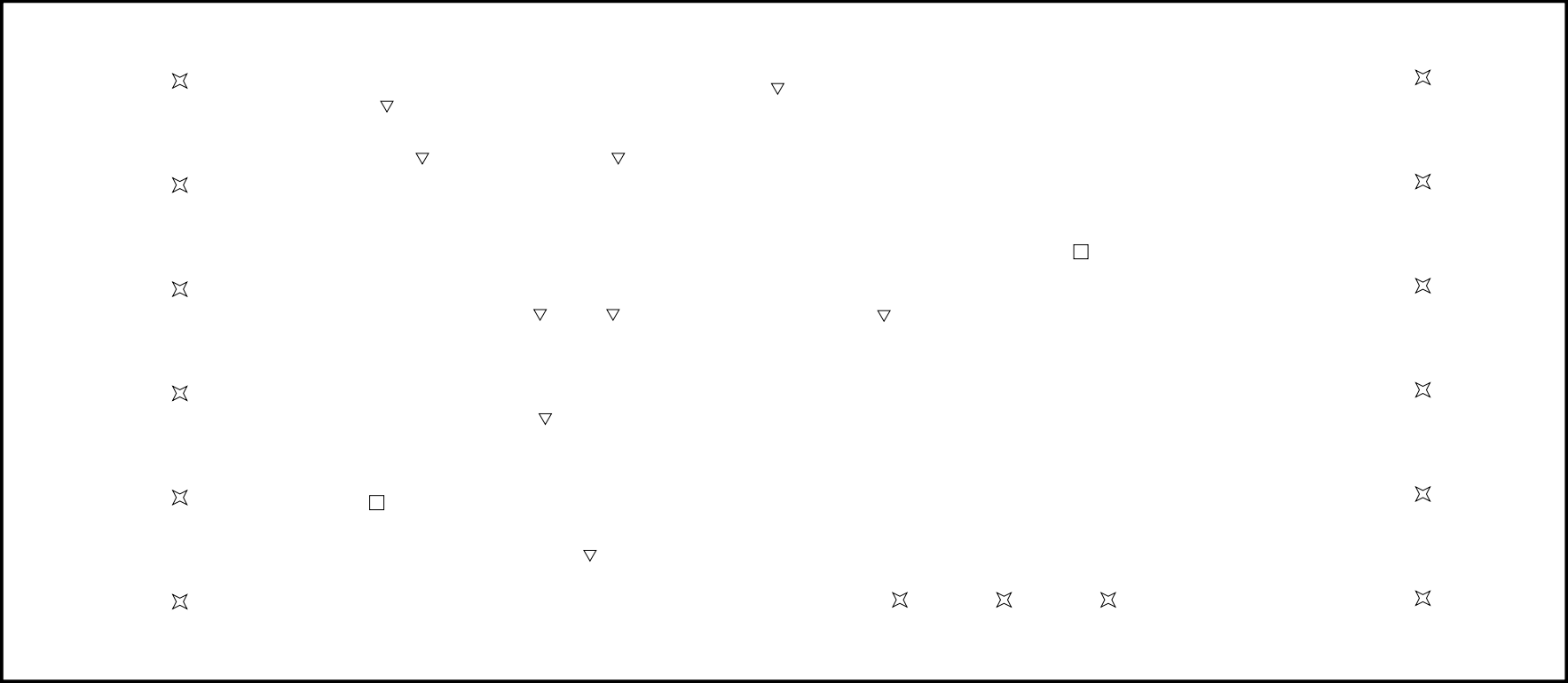


Mapa de Furação



- 1
- Text element with square border.
2.
- Text element with no border
- 3
- Text element with circle border
4.
- Text element with no border
5.
- Text element with no border
6.
- Text element with no border
7.
- Text element with no border

Drill Table

Symbol	Count	Hole Size	Plated	Hole Tolerance
✕	15	1.10mm(43.31mil)	Plated	
□	2	2.00mm(78.74mil)	Non-Plated	
▽	9	0.40mm(15.75mil)	Plated	

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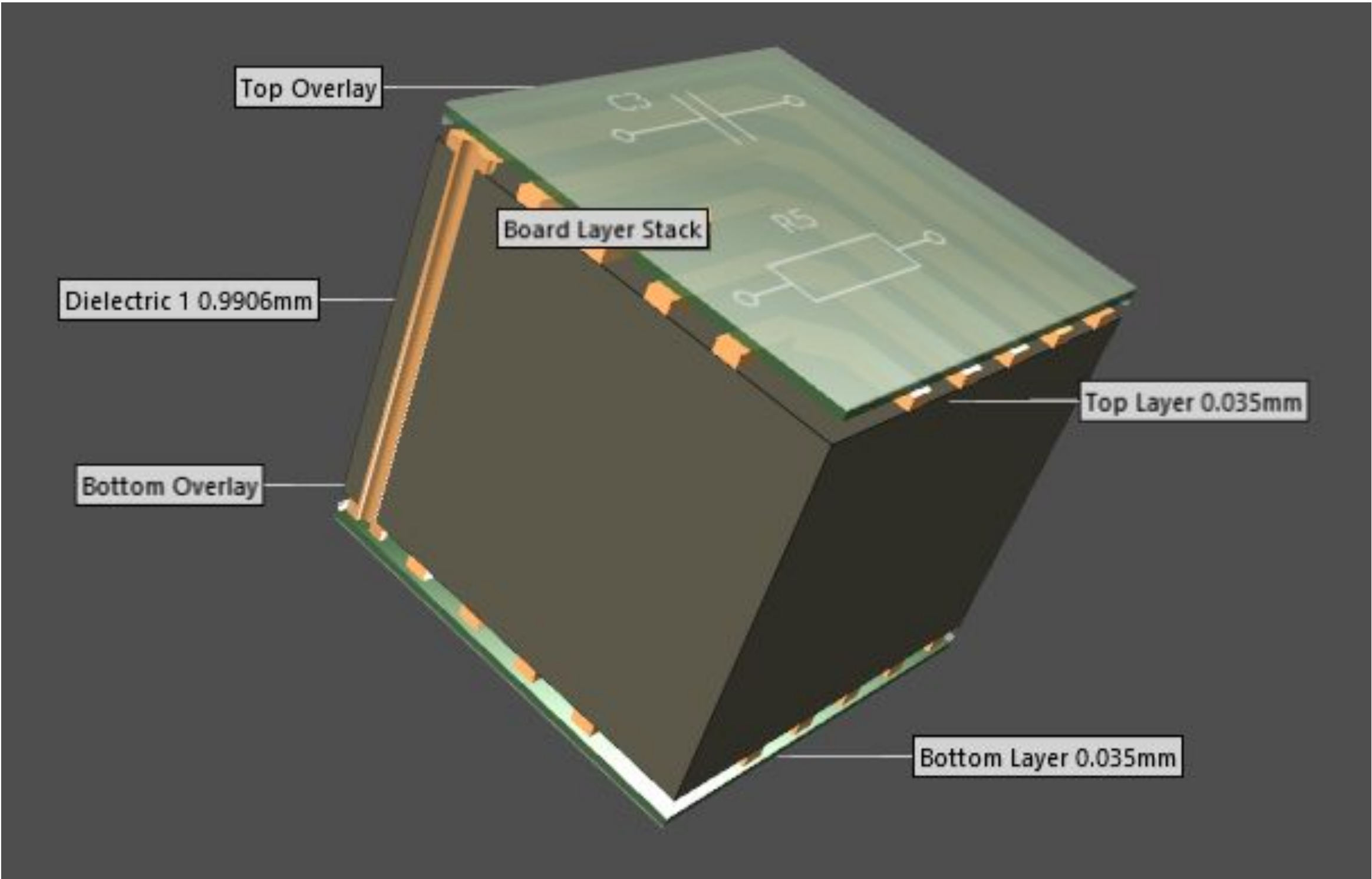
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	EPB DESENVOLVIMENTO ME.			
		DIMENSIONS ARE IN INCHES	DRAWN	Euzébio Benad	2025-08-25	TITLE RS232 interface for DONGLE01			
		TOLERANCES:	CHECKED	Euzébio					
		FRACTIONAL±	ENG APPR.	Euzébio					
		ANGULAR: MACH± BEND ±	MFG APPR.						
		TWO PLACE DECIMAL ±	Q.A.						
		THREE PLACE DECIMAL ±	COMMENTS:			SIZE DWG. NO.			
		INTERPRET GEOMETRIC TOLERANCING PER:							
		MATERIAL							
NEXT ASSY	USED ON	FINISH							
APPLICATION		DO NOT SCALE DRAWING				SCALE:	1:1	WEIGHT:	SHEET 1 OF 10

11:41

2025-08-25

1

1



2

2

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		DIMENSIONS ARE IN INCHES	DRAWN	Euzébio Benad	2025-08-25	TITLE RS232 interface for DONGLE01			
		TOLERANCES:	CHECKED	Euzébio					
		FRACTIONAL±	ENG APPR.	Euzébio					
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		TWO PLACE DECIMAL ±	Q.A.						
		THREE PLACE DECIMAL ±	COMMENTS:			SIZE DWG. NO.			
		INTERPRET GEOMETRIC TOLERANCING PER:							
		MATERIAL							
NEXT ASSY	USED ON	FINISH							
APPLICATION		DO NOT SCALE DRAWING				SCALE:	1:1	WEIGHT:	SHEET 2 OF 10

1

1

Layer Stack Legend

Material	Layer	Thickness	Dielectric Material	Type	Gerber	
	Top Overlay			Legend	GTO	
	Surface Material	Top Solder	0.0254mm(1.000mil)	SM-001	Solder Mask	GTS
	Lead-Free	Top Surface Finish	0.0200mm(0.787mil)		Surface Finish	
	CF-004	Top Layer	0.0350mm(1.378mil)		Signal	GTL
	Core		0.9906mm(39.000mil)	Core-042	Dielectric	
	CF-004	Bottom Layer	0.0350mm(1.378mil)		Signal	GBL
	Lead-Free	Bottom Surface Finish	0.0200mm(0.787mil)		Surface Finish	
	Surface Material	Bottom Solder	0.0254mm(1.000mil)	SM-001	Solder Mask	GBS
	Bottom Overlay			Legend	GBO	

Total thickness: 1.1514mm(45.331mil)

2

2

Observação:

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		DIMENSIONS ARE IN INCHES	DRAWN	Euzébio Benad	2025-08-25	TITLE RS232 interface for DONGLE01			
		TOLERANCES:	CHECKED	Euzébio					
		FRACTIONAL±	ENG APPR.	Euzébio					
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		THREE PLACE DECIMAL ±	COMMENTS:			SIZE DWG. NO.			
		INTERPRET GEOMETRIC TOLERANCING PER:							
		MATERIAL							
NEXT ASSY	USED ON	FINISH				SCALE: 1:1 WEIGHT: SHEET 3 OF 10			
APPLICATION		DO NOT SCALE DRAWING							

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1

1

Layer Stack Legend

Material	Layer	Thickness	Dielectric Material Type	Gerber
	Top Overlay		Legend	GTO
	Surface Material	Top Solder	1.000mil(0.025mm) SM-001	Solder Mask GTS
	Lead-Free	Top Surface Finish	0.787mil(0.020mm)	Surface Finish
	CF-004	Top Layer	1.378mil(0.035mm)	Signal GTL
	Core		39.000mil(0.991mm) Core-042	Dielectric
	CF-004	Bottom Layer	1.378mil(0.035mm)	Signal GBL
	Lead-Free	Bottom Surface Finish	0.787mil(0.020mm)	Surface Finish
	Surface Material	Bottom Solder	1.000mil(0.025mm) SM-001	Solder Mask GBS
	Bottom Overlay		Legend	GB0

Total thickness: 45.331mil(1.151mm)

2

2

Observação:

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	EPB DESENVOLVIMENTO ME.			
		DIMENSIONS ARE IN INCHES	DRAWN	Euzébio Benad	2025-08-25	TITLE RS232 interface for DONGLE01			
		TOLERANCES:	CHECKED	Euzébio					
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		TWO PLACE DECIMAL ±	Q.A.						
		THREE PLACE DECIMAL ±	COMMENTS:			SIZE DWG. NO.			
		INTERPRET GEOMETRIC TOLERANCING PER:							
		MATERIAL							
NEXT ASSY	USED ON	FINISH				SCALE: 1:1 WEIGHT: SHEET 4 OF 10			
APPLICATION		DO NOT SCALE DRAWING							

A

B

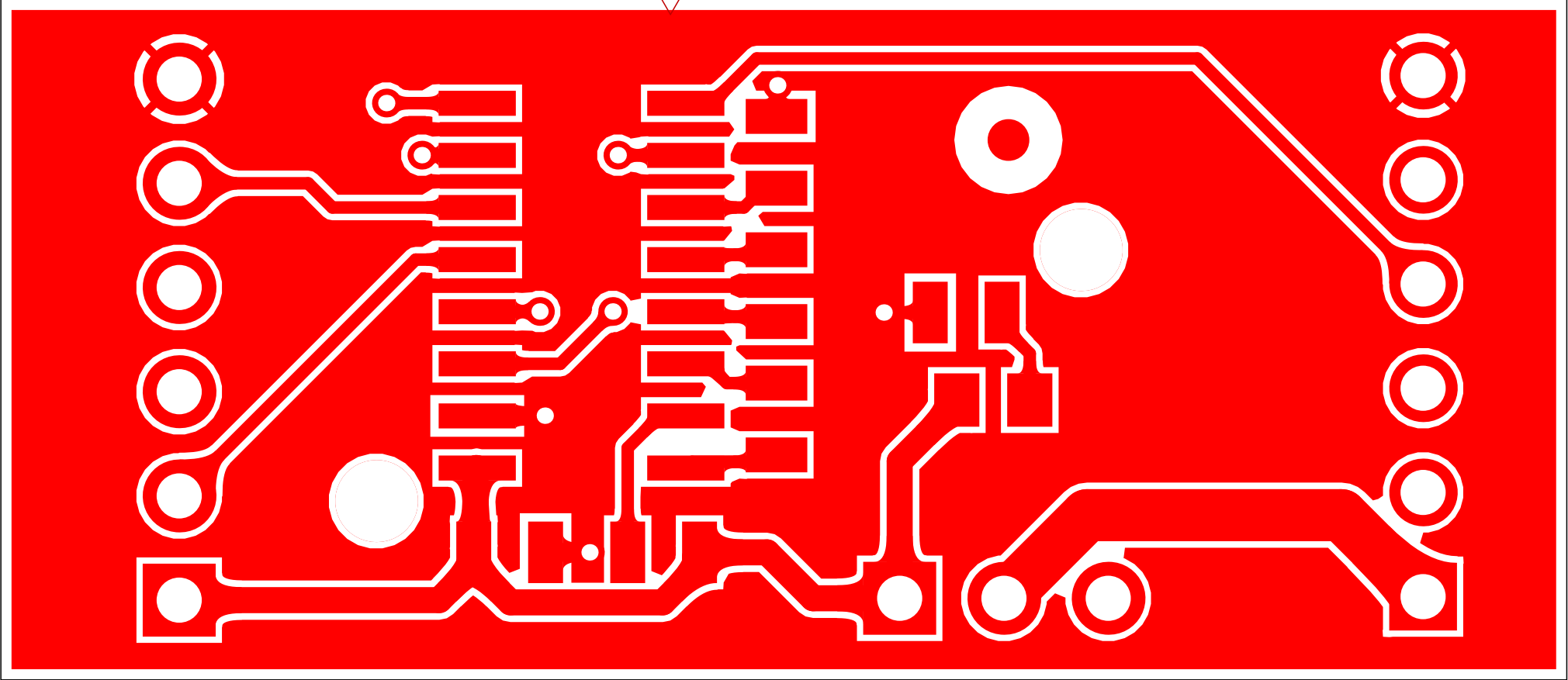
C

D

HASL Lead Free

Acabamento de Superfície

Top Layer (Scale 7:1)



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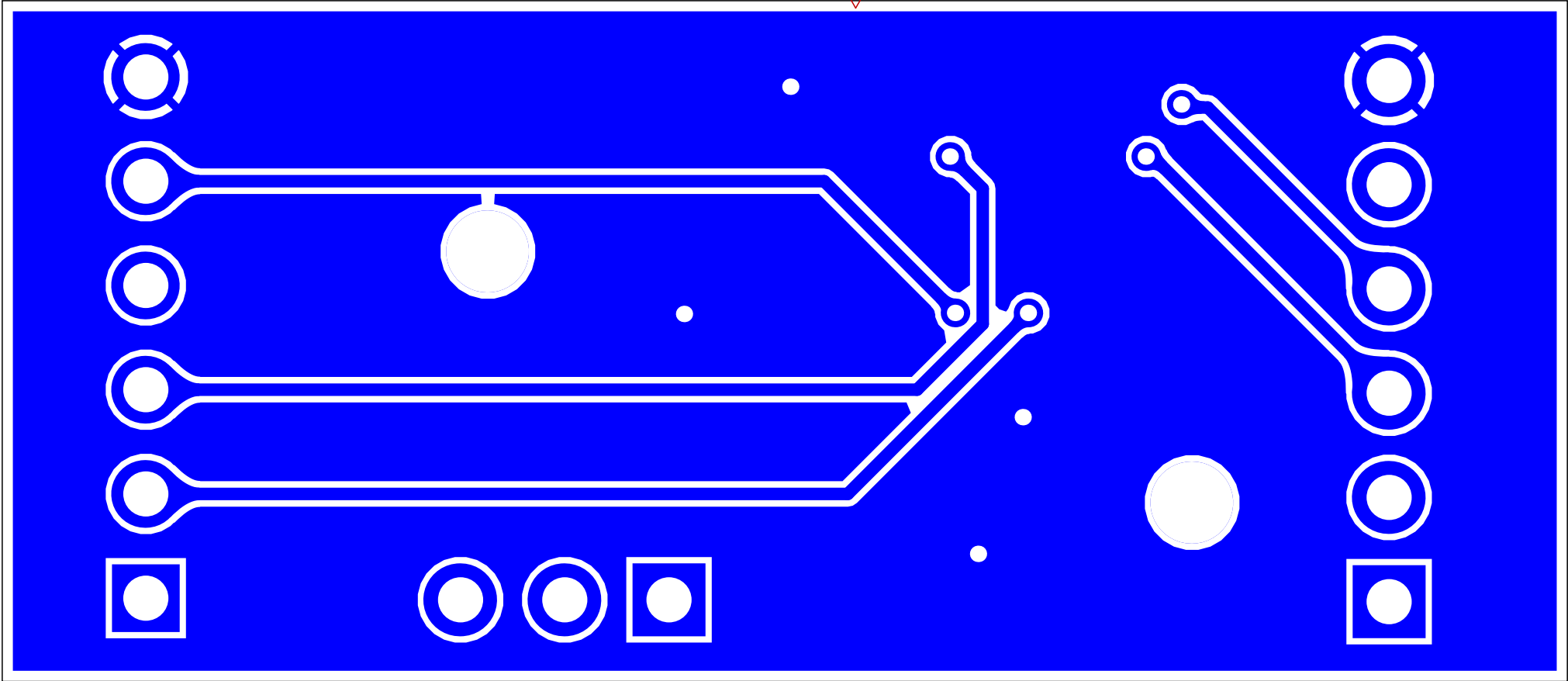
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	EPB DESENVOLVIMENTO ME.		
		DIMENSIONS ARE IN INCHES	DRAWN	Euzébio Benad	2025-08-25	TITLE RS232 interface for DONGLE01		
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		TWO PLACE DECIMAL ±	Q.A.					
		THREE PLACE DECIMAL ±	COMMENTS:			SIZE	DWG. NO.	
		INTERPRET GEOMETRIC TOLERANCING PER:						
		MATERIAL						
		FINISH						
NEXT ASSY	USED ON	DO NOT SCALE DRAWING				SCALE: 1:1	WEIGHT:	SHEET 5 OF 10
APPLICATION								

HASL Lead Free

Acabamento de Superfície

Bottom Layer (Scale 7:1)

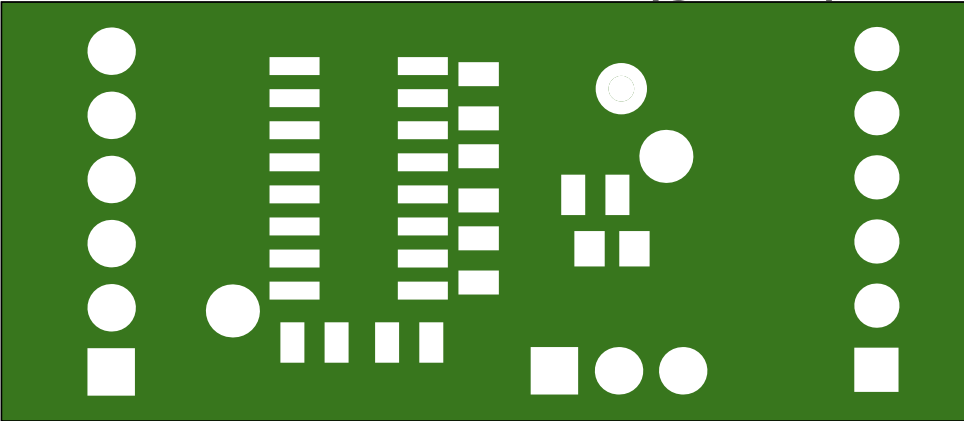


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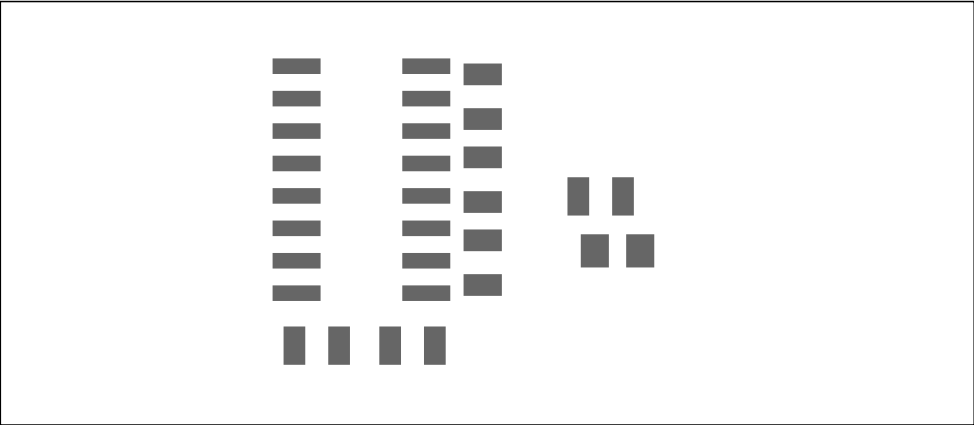
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		DIMENSIONS ARE IN INCHES	DRAWN	Euzébio Benad	2025-08-25	TITLE RS232 interface for DONGLE01			
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		FRACTIONAL ±	ENG APPR.	Euzébio					
		ANGULAR: MACH ± BEND ±	MFG APPR.						
		TWO PLACE DECIMAL ±	Q.A.						
		THREE PLACE DECIMAL ±	COMMENTS:			SIZE DWG. NO.			
		INTERPRET GEOMETRIC TOLERANCING PER:							
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NEXT ASSY	USED ON	FINISH				SCALE: 1:1 WEIGHT: SHEET 6 OF 10			
APPLICATION		DO NOT SCALE DRAWING							

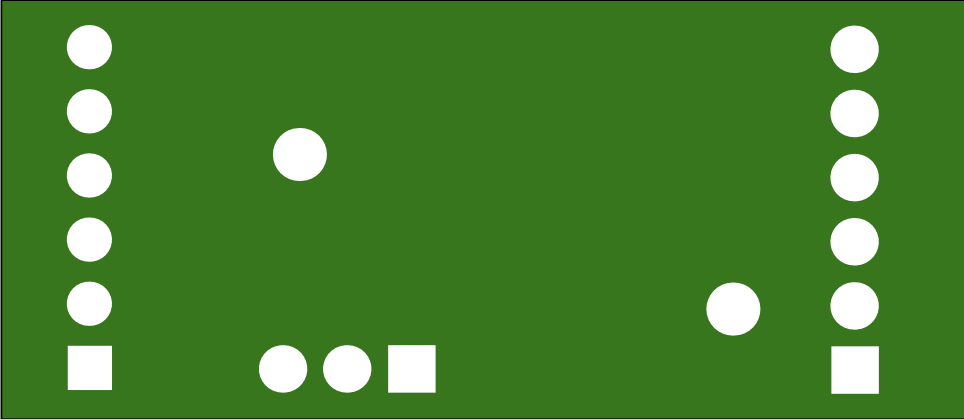
Top Solder, Top Mask (green)



Top Paste

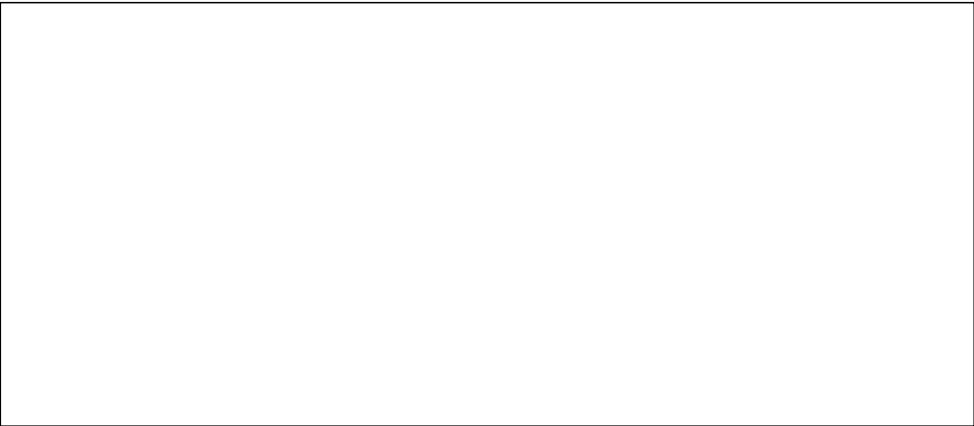


Bottom Solder, Bottom Mask (green)



NÃO HÁ COMPONENTES NO LADO SOLDA.

Bottom Paste, Bot Paste



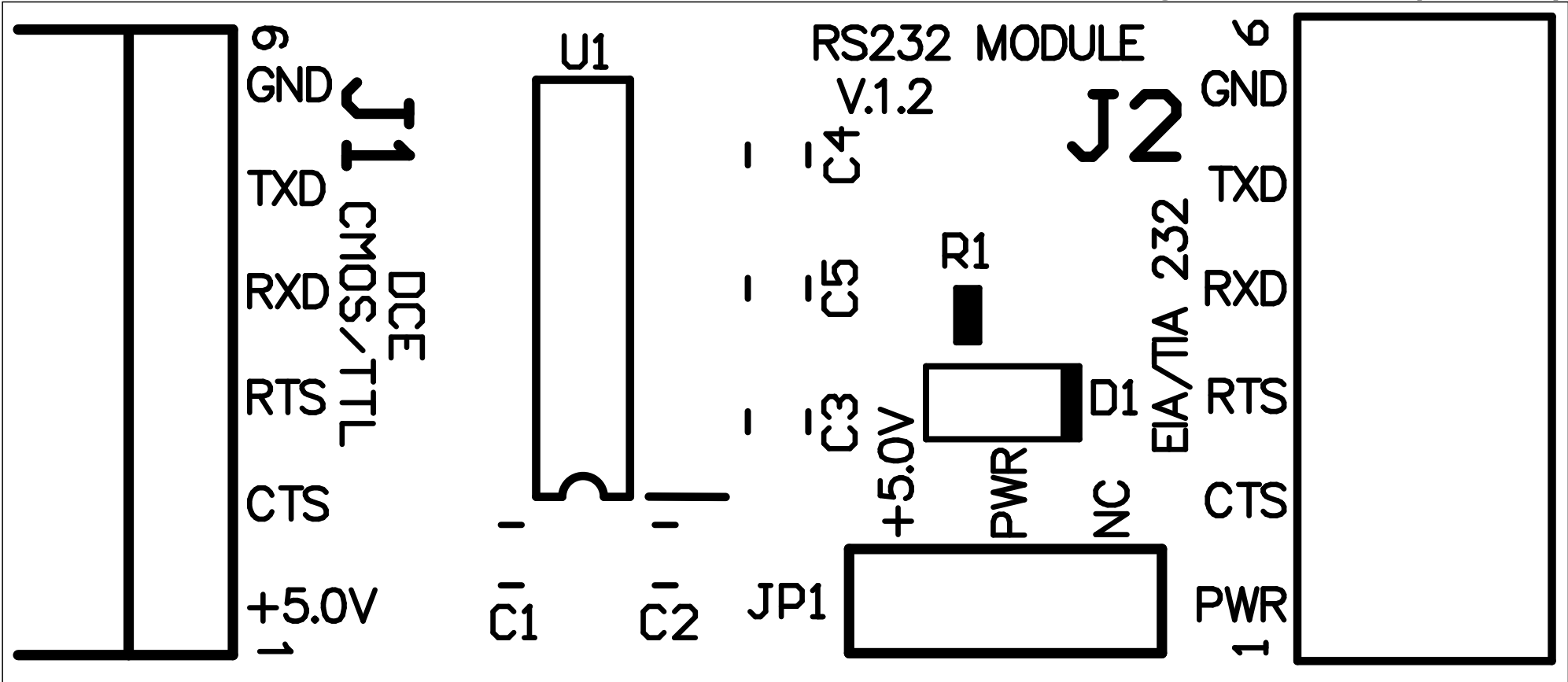
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		DIMENSIONS ARE IN INCHES	DRAWN	Euzébio Benad	2025-08-25	TITLE RS232 interface for DONGLE01			
		TOLERANCES:	CHECKED	Euzébio					
		FRACTIONAL±	ENG APPR.	Euzébio					
		ANGULAR: MACH± BEND ±	MFG APPR.						
		TWO PLACE DECIMAL ±	Q.A.						
		THREE PLACE DECIMAL ±	COMMENTS:			SIZE DWG. NO.			
		INTERPRET GEOMETRIC TOLERANCING PER:							
		MATERIAL							
NEXT ASSY	USED ON	FINISH				SCALE: 1:1 WEIGHT: SHEET 7 OF 10			
APPLICATION		DO NOT SCALE DRAWING							

1

1

Top Overlay, Top Silk (White)



2

2

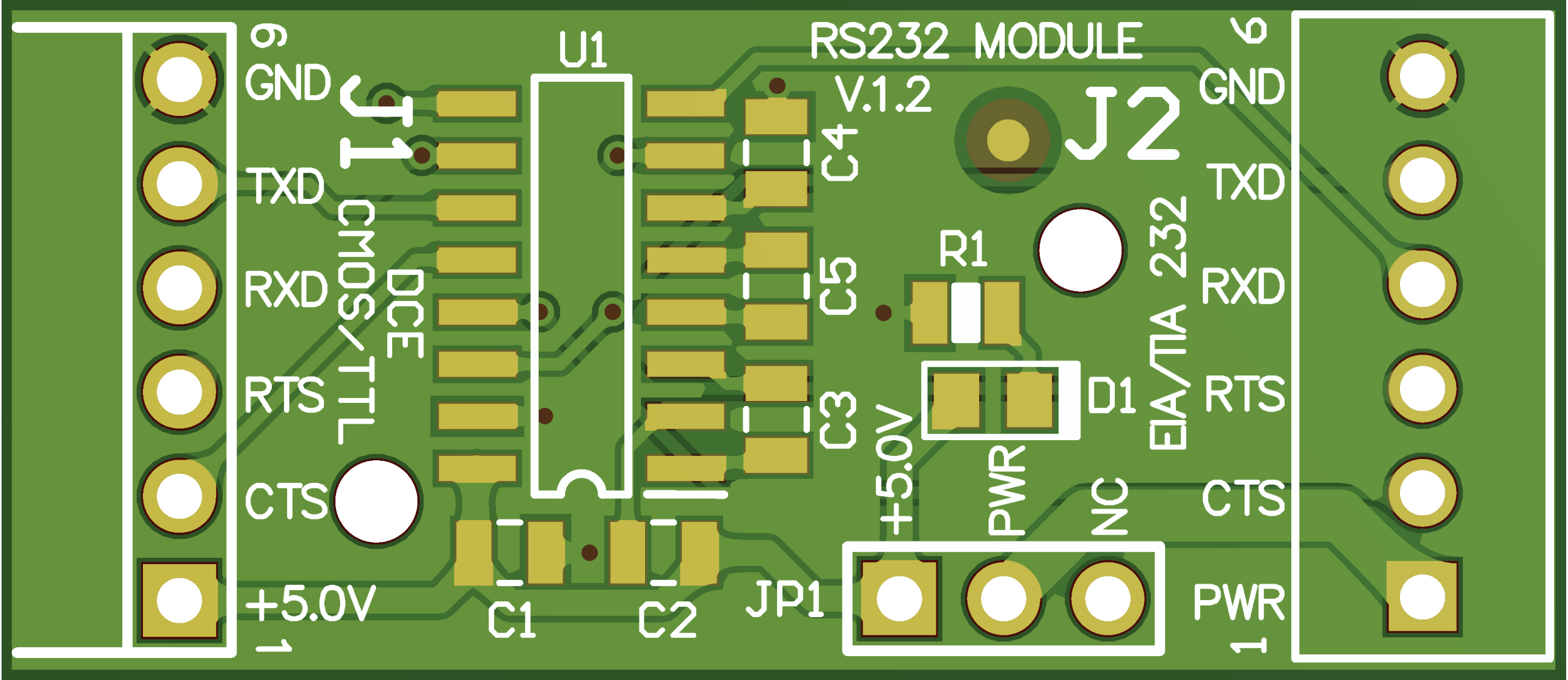
Top Silk / Top Overlay: BRANCO.
Preferencialmente Liquid Photo
Imageable.

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		DIMENSIONS ARE IN INCHES	DRAWN	Euzébio Benad	2025-08-25	TITLE RS232 interface for DONGLE01		
		TOLERANCES:	CHECKED	Euzébio				
		FRACTIONAL±	ENG APPR.	Euzébio				
		ANGULAR: MACH± BEND ±	MFG APPR.					
		TWO PLACE DECIMAL ±	Q.A.					
		THREE PLACE DECIMAL ±	COMMENTS:			SIZE DWG. NO.		
		INTERPRET GEOMETRIC TOLERANCING PER:						
		MATERIAL						
		FINISH						
NEXT ASSY	USED ON					SCALE: 1:1	WEIGHT:	SHEET 8 OF 10
APPLICATION		DO NOT SCALE DRAWING						

Realistic View



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Preferencialmente Liquid Photo
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		DIMENSIONS ARE IN INCHES		DRAWN	Euzébio Benad	2025-08-25	TITLE	
		TOLERANCES:		CHECKED	Euzébio			
		FRACTIONAL ±		ENG APPR.	Euzébio			
		ANGULAR: MACH ± BEND ±		MFG APPR.				
		TWO PLACE DECIMAL ±		Q.A.				
		THREE PLACE DECIMAL ±		COMMENTS:			RS232 interface for DONGLE01	
		INTERPRET GEOMETRIC						
		TOLERANCING PER:						
		MATERIAL					SIZE	DWG. NO.
		FINISH						
NEXT ASSY	USED ON							
APPLICATION		DO NOT SCALE DRAWING					SCALE: 1:1	WEIGHT:
								SHEET 9 OF 10

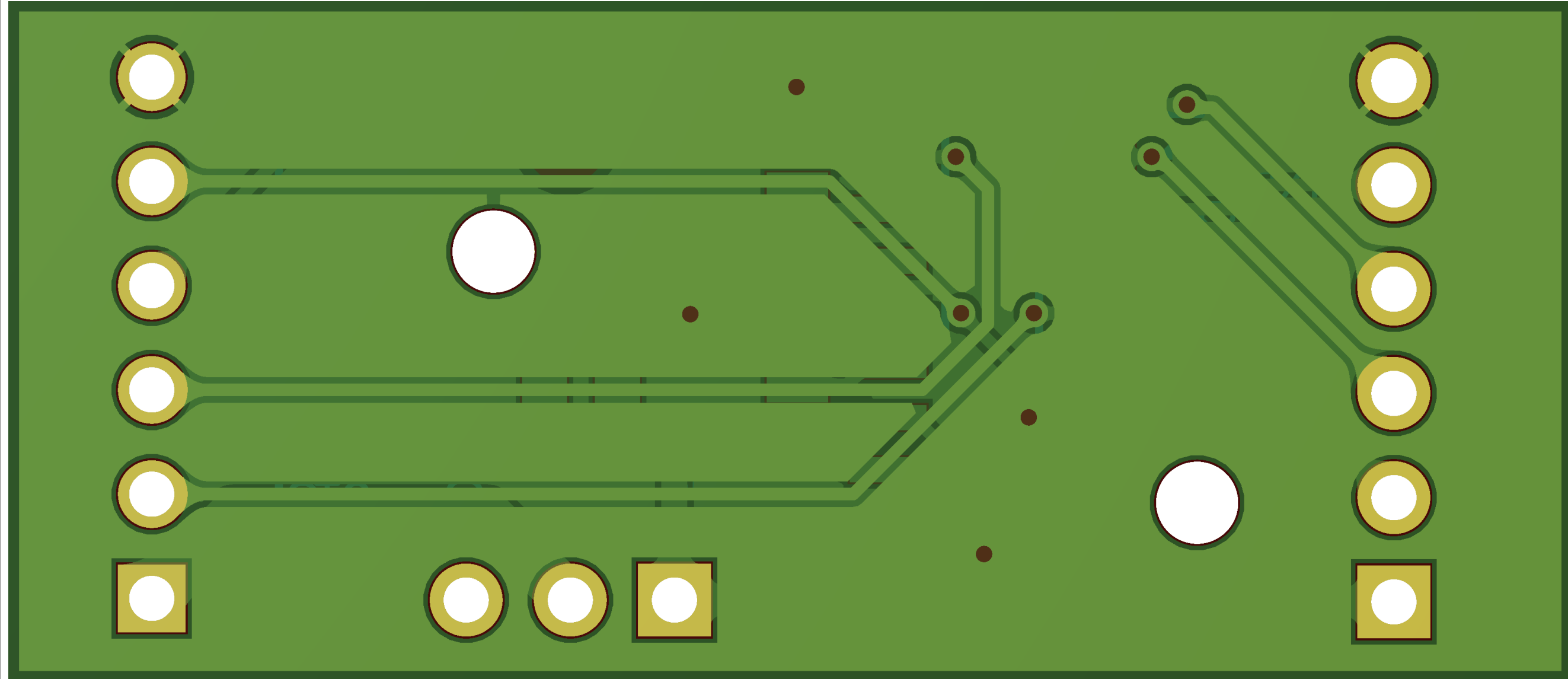
A

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Realistic View



Bottom Silk / Bottom Overlay: BRANCO.
Aceita-se serigrafia normal.

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	EPB DESENVOLVIMENTO ME.			
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN	Euzébio Benadour	2025-08-25	TITLE RS232 interface for DONGLE01			
			CHECKED	Euzébio					
			ENG APPR.	Euzébio					
			MFG APPR.						
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.						
		MATERIAL	COMMENTS:						
NEXT ASSY	USED ON	FINISH				SIZE	DWG. NO.		
APPLICATION		DO NOT SCALE DRAWING				SCALE:	1:1	WEIGHT:	SHEET 10 OF 10

A

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