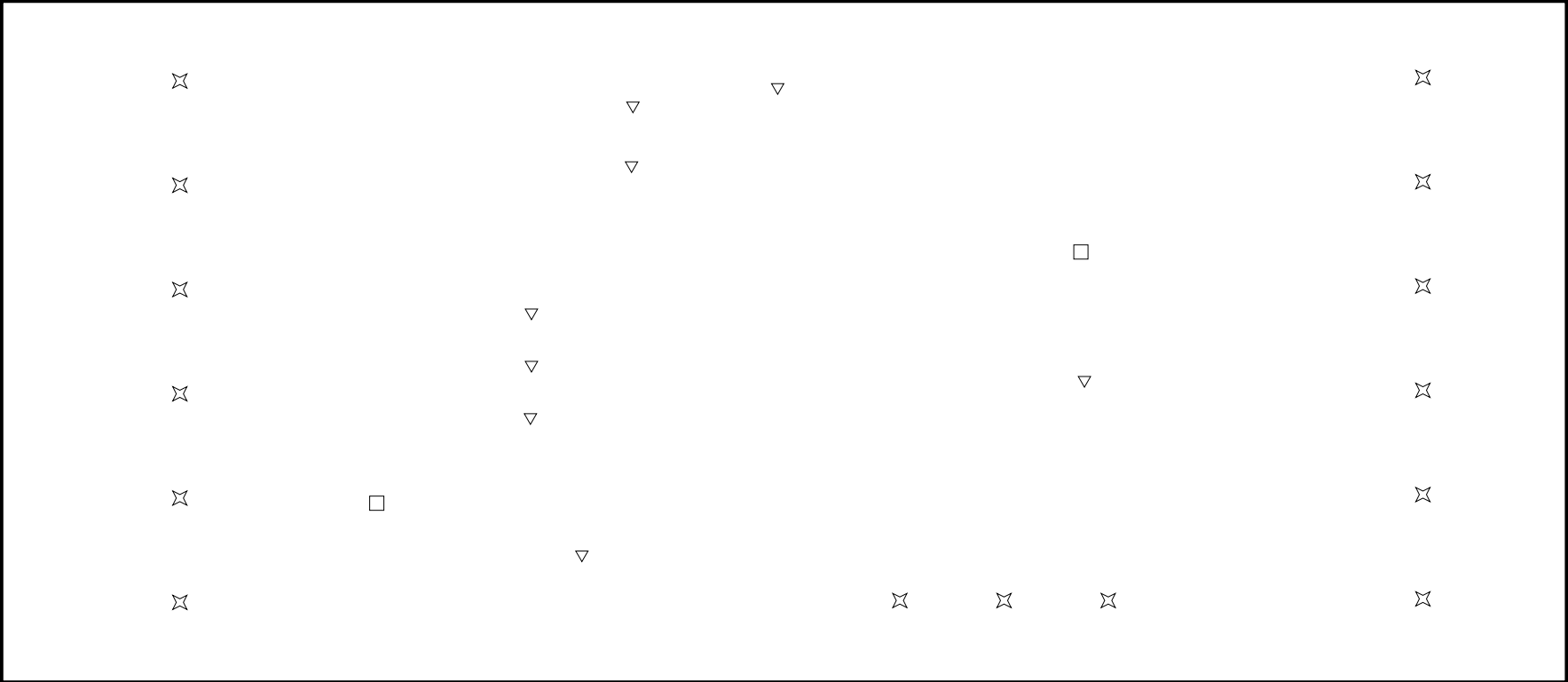


Mapa de Furação



- 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 | |
| ▽ | 8 | 0.40mm(15.75mil) | Plated | |

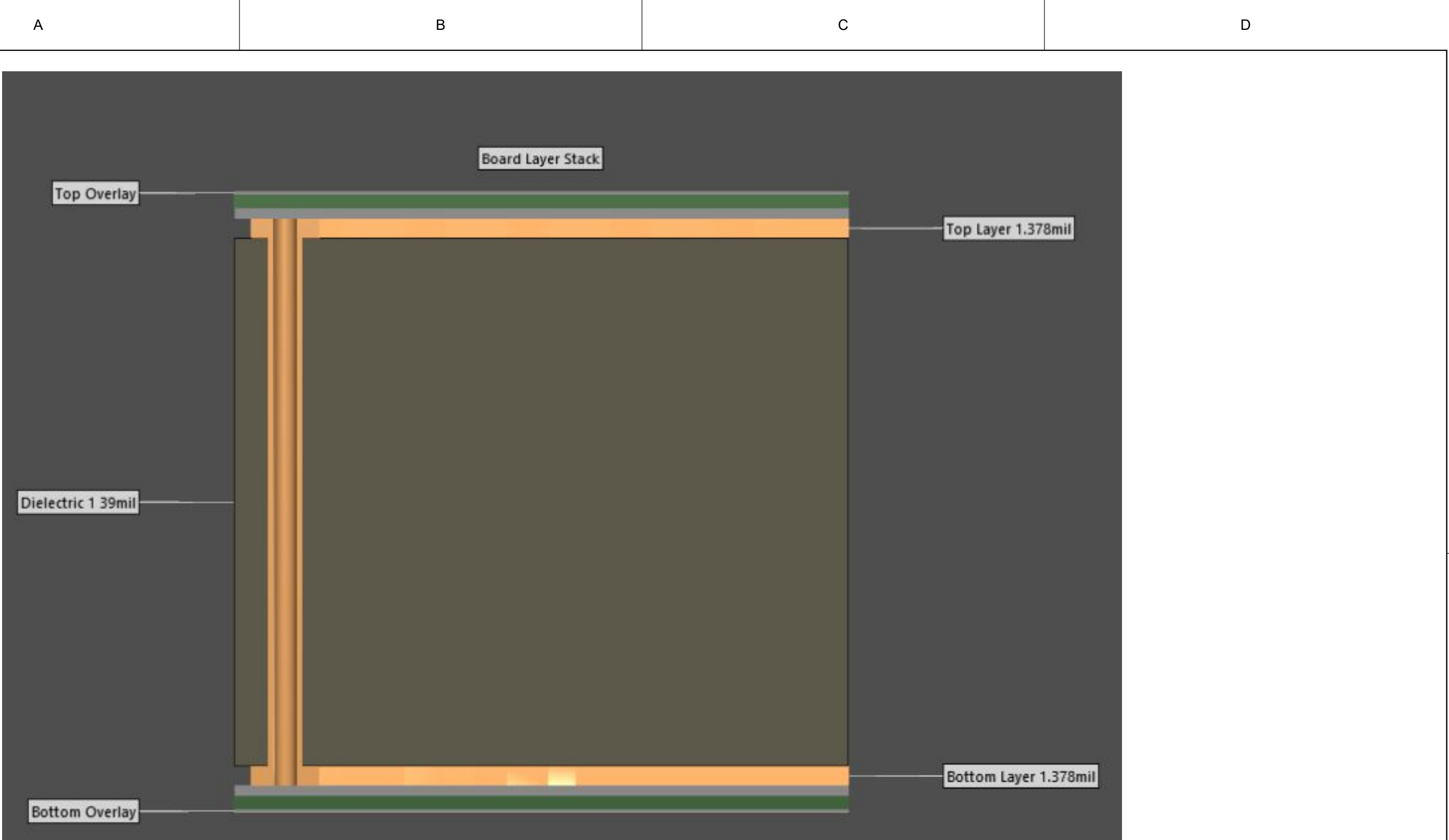
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| | | | | | | | | | |
|-------------|---------|--------------------------------------|-----------|---------------|------------|-------------------------|-----|---------|---------------|
| | | UNLESS OTHERWISE SPECIFIED: | | NAME | DATE | EPB DESENVOLVIMENTO ME. | | | |
| | | DIMENSIONS ARE IN INCHES | DRAWN | Euzébio Benad | 2024-11-18 | TITLE 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 |

23:20

2024-11-18



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|-------------|---------|-----------------------------|-----------|---------------|------------|-------------------------|----------|---------------|
| | | UNLESS OTHERWISE SPECIFIED: | | NAME | DATE | EPB DESENVOLVIMENTO ME. | | |
| | | DIMENSIONS ARE IN INCHES | DRAWN | Euzébio Benad | 2024-11-18 | TITLE 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 | | | | | | | |
| 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 | 0.0254mm(1.000mil) | SM-001 | Solder Mask |
| PbSn | Top Surface Finish | 0.0200mm(0.787mil) | | Surface Finish |
| CF-004 | Top Layer | 0.0350mm(1.378mil) | | Signal |
| Core | | 0.9906mm(39.000mil) | Core-042 | Dielectric |
| CF-004 | Bottom Layer | 0.0350mm(1.378mil) | | Signal |
| PbSn | Bottom Surface Finish | 0.0200mm(0.787mil) | | Surface Finish |
| Surface Material | Bottom Solder | 0.0254mm(1.000mil) | SM-001 | Solder Mask |
| | Bottom Overlay | | Legend | GBS |
| | | | | GBO |

Total thickness: 1.1514mm(45.330mil)

2

2

Observação:

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| | | | | | | | | |
|-------------|---------|--------------------------------------|-----------|---------------|------------|-------------------------|----------|---------------|
| | | UNLESS OTHERWISE SPECIFIED: | | NAME | DATE | EPB DESENVOLVIMENTO ME. | | |
| | | DIMENSIONS ARE IN INCHES | DRAWN | Euzébio Benad | 2024-11-18 | TITLE 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 | | | | | | | |
| APPLICATION | | DO NOT SCALE DRAWING | | | | SCALE: 1:1 | WEIGHT: | SHEET 3 OF 10 |

A

B

C

D

1

1

Layer Stack Legend

| Material | Layer | Thickness | Dielectric Material Type | Gerber |
|----------|------------------|--------------------|--------------------------|----------------|
| | Top Overlay | | Legend | GTO |
| | Surface Material | 1.000mil(0.025mm) | SM-001 | Solder Mask |
| | PbSn | 0.787mil(0.020mm) | | Surface Finish |
| | Top Layer | 1.378mil(0.035mm) | | Signal |
| | Core | 39.000mil(0.991mm) | Core-042 | Dielectric |
| | Bottom Layer | 1.378mil(0.035mm) | | Signal |
| | PbSn | 0.787mil(0.020mm) | | Surface Finish |
| | Surface Material | 1.000mil(0.025mm) | SM-001 | Solder Mask |
| | Bottom Overlay | | Legend | GB0 |

Total thickness: 45.330mil(1.151mm)

2

2

Observação:

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| | | | | | | | | |
|-------------|---------|--------------------------------------|-----------|---------------|------------|-------------------------|----------|---------------|
| | | UNLESS OTHERWISE SPECIFIED: | | NAME | DATE | EPB DESENVOLVIMENTO ME. | | |
| | | DIMENSIONS ARE IN INCHES | DRAWN | Euzébio Benad | 2024-11-18 | 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 | | | | | | | |
| APPLICATION | | DO NOT SCALE DRAWING | | | | SCALE: 1:1 | WEIGHT: | SHEET 4 OF 10 |

A

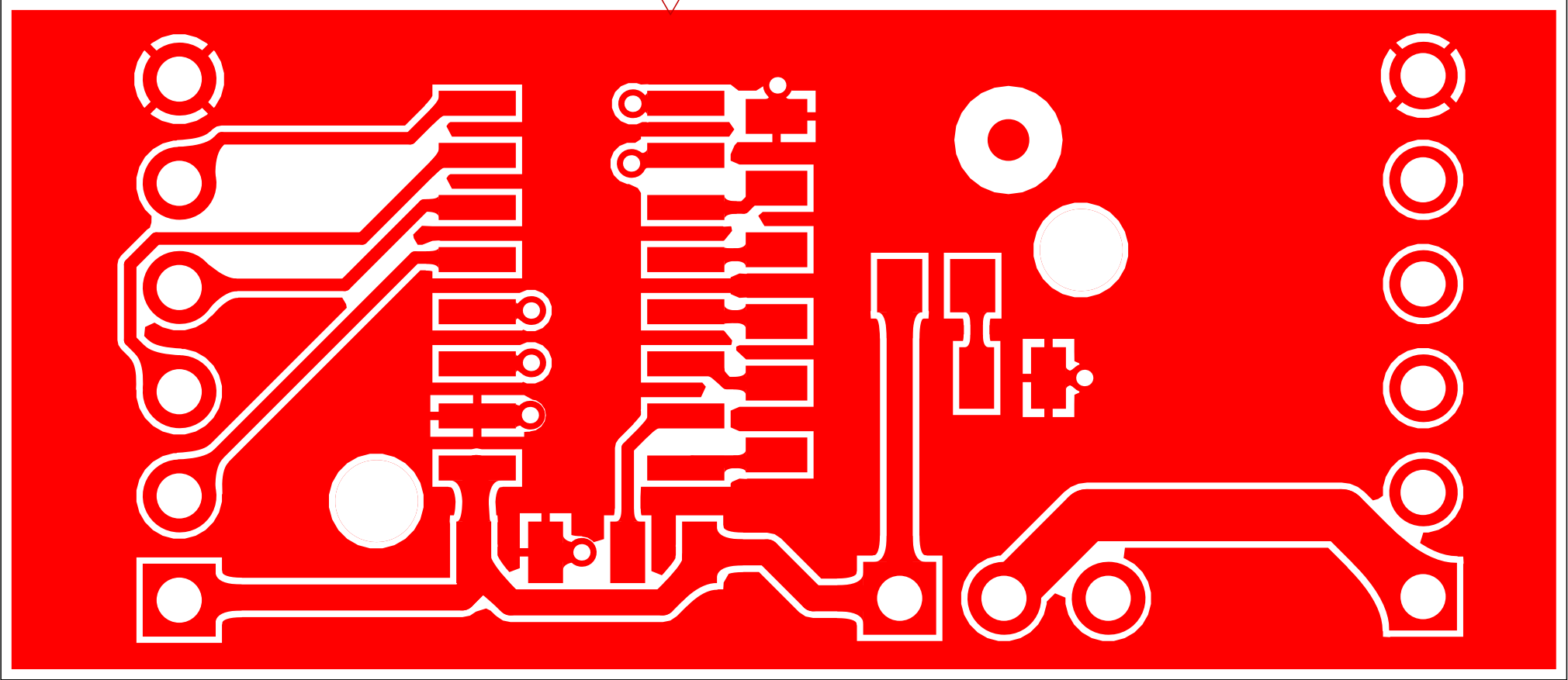
B

C

D

HASL Lead Free
Acabamento de Superfície

Top Layer (Scale 7:1)



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| | | | | | | | | |
|-------------|---------|--------------------------------------|-----------|---------------|------------|-------------------------|----------|---------------|
| | | UNLESS OTHERWISE SPECIFIED: | | NAME | DATE | EPB DESENVOLVIMENTO ME. | | |
| | | DIMENSIONS ARE IN INCHES | DRAWN | Euzébio Benad | 2024-11-18 | TITLE 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 | DO NOT SCALE DRAWING | | | | SCALE: 1:1 | WEIGHT: | SHEET 5 OF 10 |
| APPLICATION | | | | | | | | |

A

B

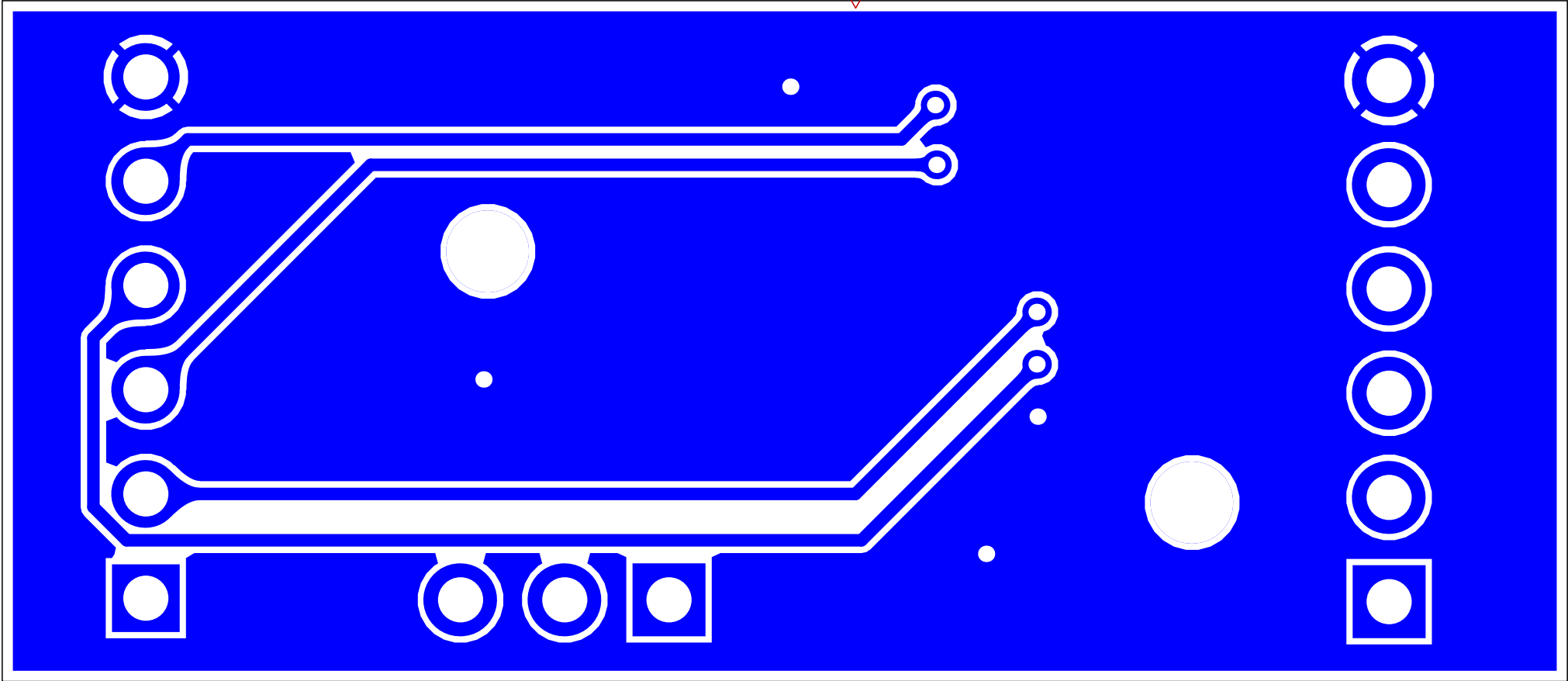
C

D

HASL Lead Free

Acabamento de Superfície

Bottom Layer (Scale 7:1)



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| | | | | | | | | | |
|-------------|---------|--------------------------------------|-----------|---------------|------------|-------------------------|----------|---------|---------------|
| | | UNLESS OTHERWISE SPECIFIED: | | NAME | DATE | EPB DESENVOLVIMENTO ME. | | | |
| | | DIMENSIONS ARE IN INCHES | DRAWN | Euzébio Benad | 2024-11-18 | TITLE DONGLE01 | | | |
| | | TOLERANCES: | CHECKED | Euzébio | | | | | |
| | | FRACTIONAL ± | ENG APPR. | Euzébio | | | | | |
| | | ANGULAR: MACH ± BEND ± | MFG APPR. | | | | | | |
| | | TWO PLACE DECIMAL ± | | | | | | | |
| | | THREE PLACE DECIMAL ± | Q.A. | | | COMMENTS: | | | |
| | | INTERPRET GEOMETRIC TOLERANCING PER: | | | | | | | |
| | | MATERIAL | | | | SIZE | DWG. NO. | | |
| NEXT ASSY | USED ON | FINISH | | | | | | | |
| APPLICATION | | DO NOT SCALE DRAWING | | | | SCALE: | 1:1 | WEIGHT: | SHEET 6 OF 10 |

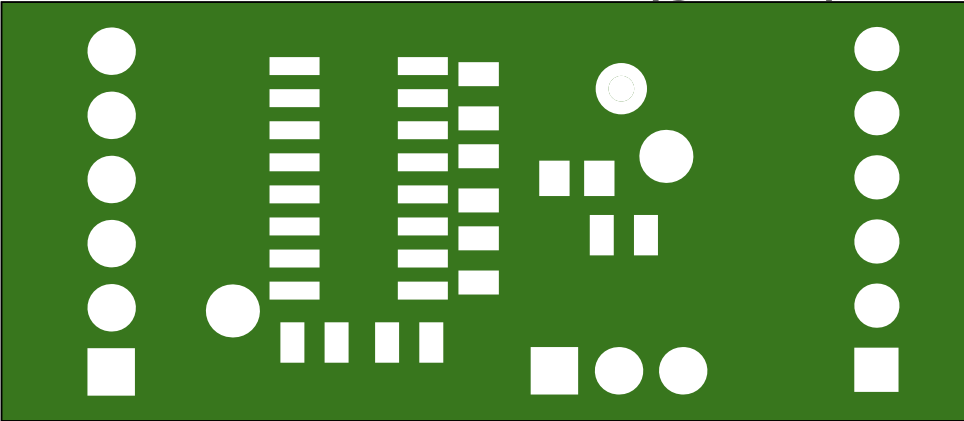
A

B

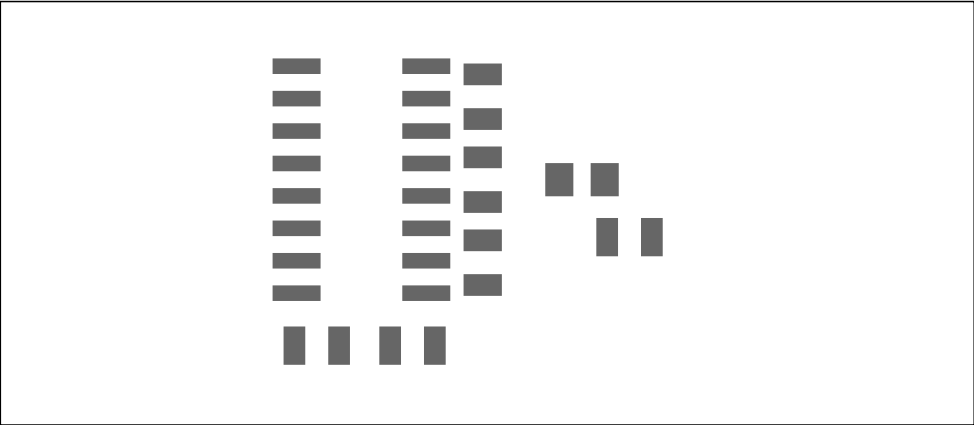
C

D

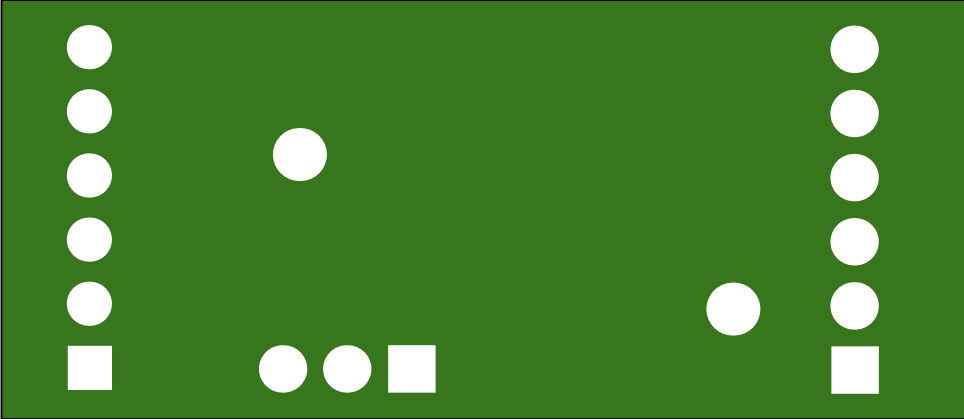
Top Solder, Top Mask (green)



Top Paste

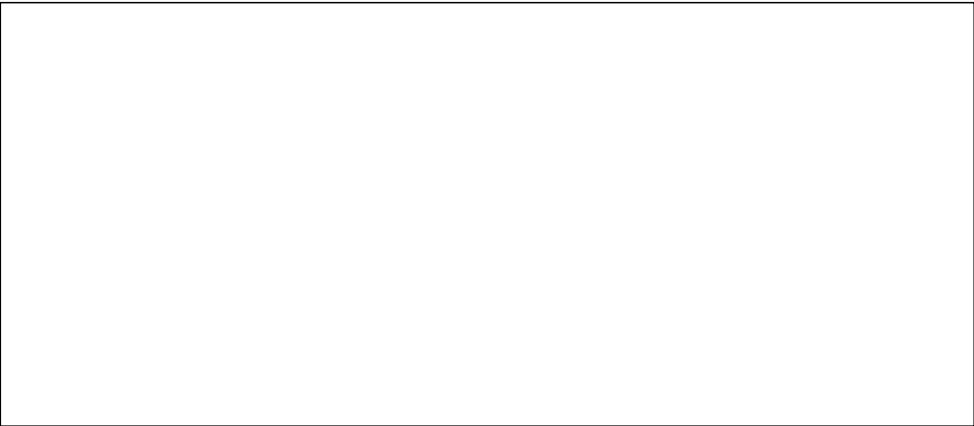


Bottom Solder, Bottom Mask (green)



NÃO HÁ COMPONENTES NO LADO SOLDA.

Bottom Paste, Bot Paste



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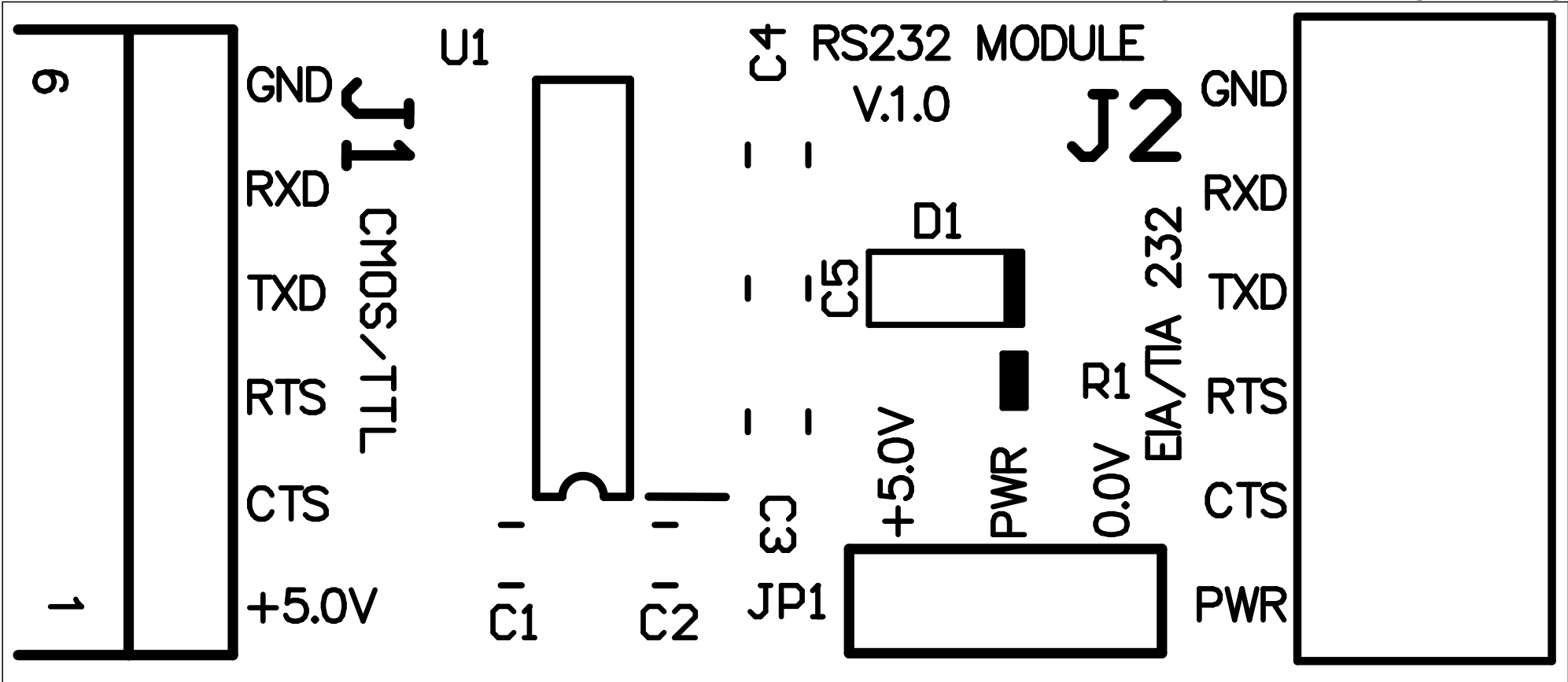
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|-------------|---------|--------------------------------------|-----------|---------------|------------|-------------------------|---------|---------------|
| | | UNLESS OTHERWISE SPECIFIED: | | NAME | DATE | EPB DESENVOLVIMENTO ME. | | |
| | | DIMENSIONS ARE IN INCHES | DRAWN | Euzébio Benad | 2024-11-18 | TITLE 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 7 OF 10 |

1

1

Top Overlay, Top Silk (White)



2

2

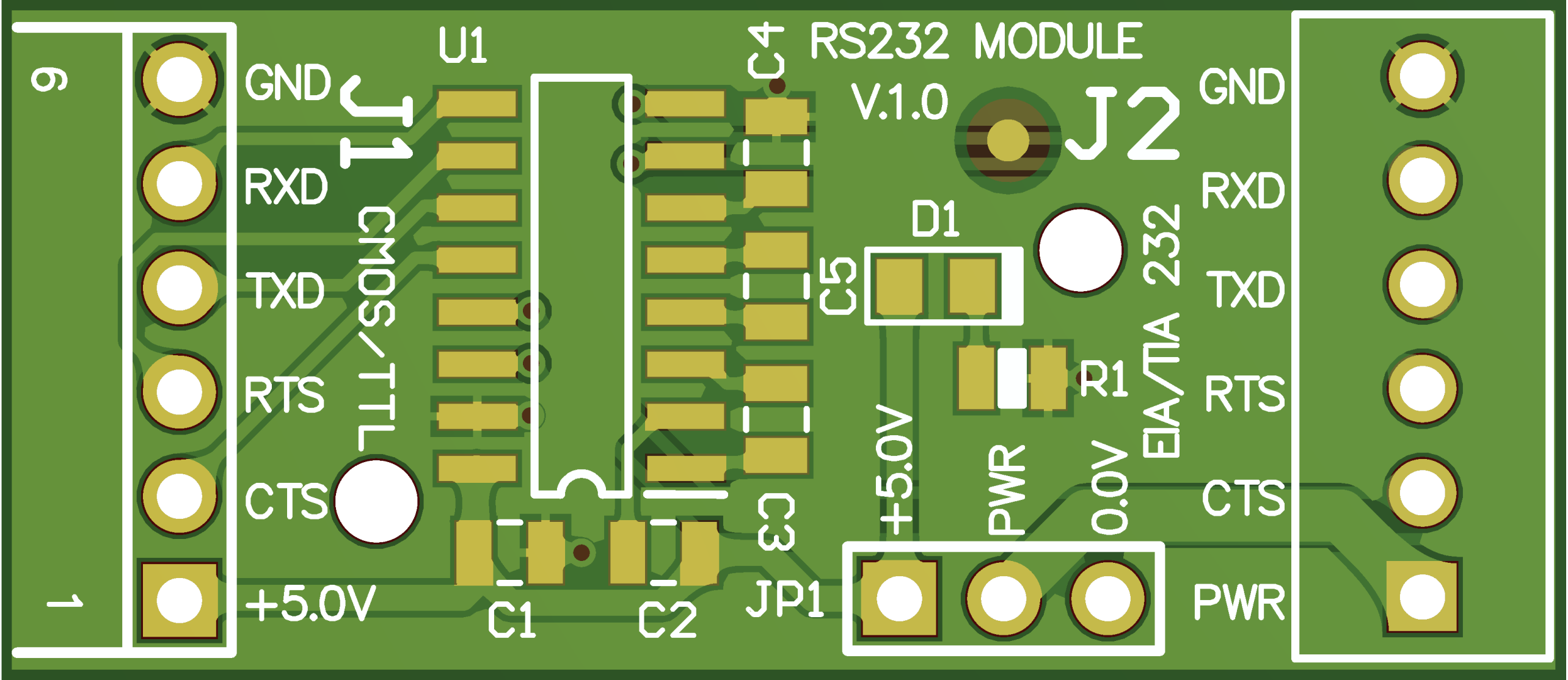
Top Silk / Top Overlay: BRANCO.
Preferencialmente Liquid Photo
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|-----------|---------|-----------------------------|----------------------|-----------|---------------|-------------------------|------------|---------------|
| | | UNLESS OTHERWISE SPECIFIED: | | NAME | DATE | EPB DESENVOLVIMENTO ME. | | |
| | | DIMENSIONS ARE IN INCHES | | DRAWN | Euzébio Benad | 2024-11-18 | TITLE | |
| | | TOLERANCES: | | CHECKED | Euzébio | | | |
| | | FRACTIONAL± | | ENG APPR. | Euzébio | | | |
| | | ANGULAR: MACH± BEND ± | | MFG APPR. | | | | |
| | | TWO PLACE DECIMAL ± | | Q.A. | | | | |
| | | THREE PLACE DECIMAL ± | | COMMENTS: | | | DONGLE01 | |
| | | INTERPRET GEOMETRIC | | | | | | |
| | | TOLERANCING PER: | | | | | | |
| | | MATERIAL | | | | | SIZE | DWG. NO. |
| | | FINISH | | | | | | |
| NEXT ASSY | USED ON | APPLICATION | DO NOT SCALE DRAWING | | | | SCALE: 1:1 | WEIGHT: |
| | | | | | | | | SHEET 8 OF 10 |

Realistic View



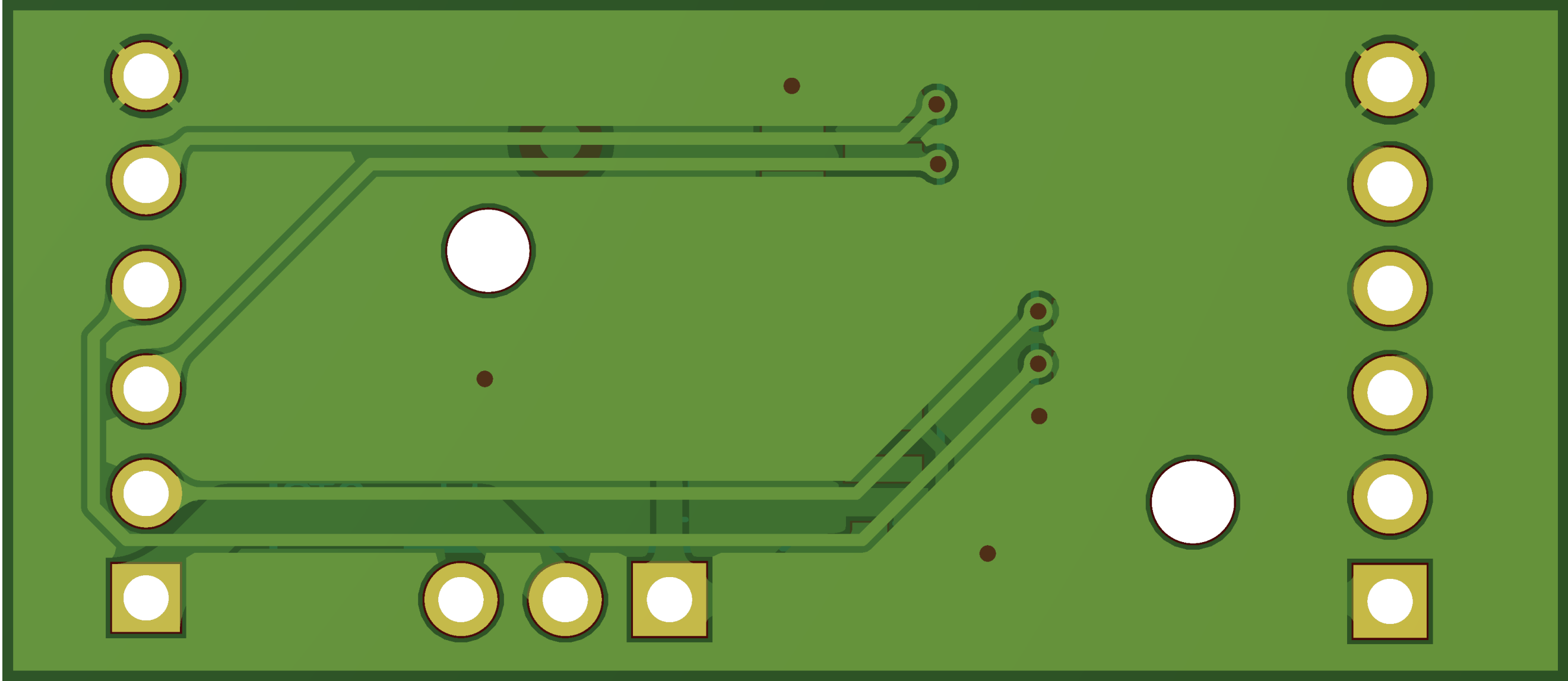
Top Silk / Top Overlay: BRANCO.
Preferencialmente Liquid Photo
Imageable.

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| | | UNLESS OTHERWISE SPECIFIED: | | NAME | DATE | EPB DESENVOLVIMENTO ME. | | | |
| | | DIMENSIONS ARE IN INCHES | DRAWN | Euzébio Benad | 2024-11-18 | TITLE < | | | |

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 | DRAWN | Euzébio Benad | 2024-11-18 | TITLE DONGLE01 | | | |
| | | TOLERANCES: | CHECKED | Euzébio | | | | | |
| | | FRACTIONAL ± | ENG APPR. | Euzébio | | | | | |
| | | ANGULAR: MACH ± BEND ± | MFG APPR. | | | | | | |
| | | TWO PLACE DECIMAL ± | | | | | | | |
| | | THREE PLACE DECIMAL ± | | | | SIZE DWG. NO. | | | |
| | | INTERPRET GEOMETRIC | Q.A. | | | | | | |
| | | TOLERANCING PER: | COMMENTS: | | | | | | |
| | | MATERIAL | | | | | | | |
| | | FINISH | | | | | | | |
| NEXT ASSY | USED ON | | | | | | | | |
| APPLICATION | | DO NOT SCALE DRAWING | | | | SCALE: | 1:1 | WEIGHT: | SHEET 10 OF 10 |