

|                                      |  |
|--------------------------------------|--|
| <b>PCB Name</b>                      | <b>PD-Toolhead</b>                         |
| <b>Size</b>                          | <b>Xmm x Xmm (see drawing)</b>             |
| <b>Attached Layerstack mandatory</b> | <b>no</b>                                  |
| <b>Layers</b>                        | <b>4</b>                                   |
| <b>Thickness</b>                     | <b>1.6mm</b>                               |
| <b>Material</b>                      | <b>FR4 / Epoxy</b>                         |
| <b>Copper-Thickness top/bottom</b>   | <b>35µm</b>                                |
| <b>Copper-Thickness inner layers</b> | <b>17.5µm</b>                              |
| <b>Surface</b>                       | <b>chemical Ni/Au</b>                      |
| <b>Solder mask</b>                   | <b>double-sided (black or matte-black)</b> |
| <b>Peelable mask</b>                 | <b>no</b>                                  |
| <b>Scoring</b>                       | <b>no</b>                                  |
| <b>UL required</b>                   | <b>no</b>                                  |
| <b>Outline/Shape</b>                 | <b>milling</b>                             |
| <b>Chamfer</b>                       | <b>no</b>                                  |
| <b>Electrical Test</b>               | <b>yes</b>                                 |
| <b>Impedance</b>                     | <b>no</b>                                  |
| <b>IPC/Perfag</b>                    | <b>Class 2</b>                             |
| <b>internal millings</b>             | <b>yes</b>                                 |
| <b>Silkscreen Top</b>                | <b>yes</b>                                 |
| <b>Silkscreen Bottom</b>             | <b>yes</b>                                 |
| <b>Pressfit</b>                      | <b>no</b>                                  |

A

B

C

D

E

1

1

2

2

3

3

4

4

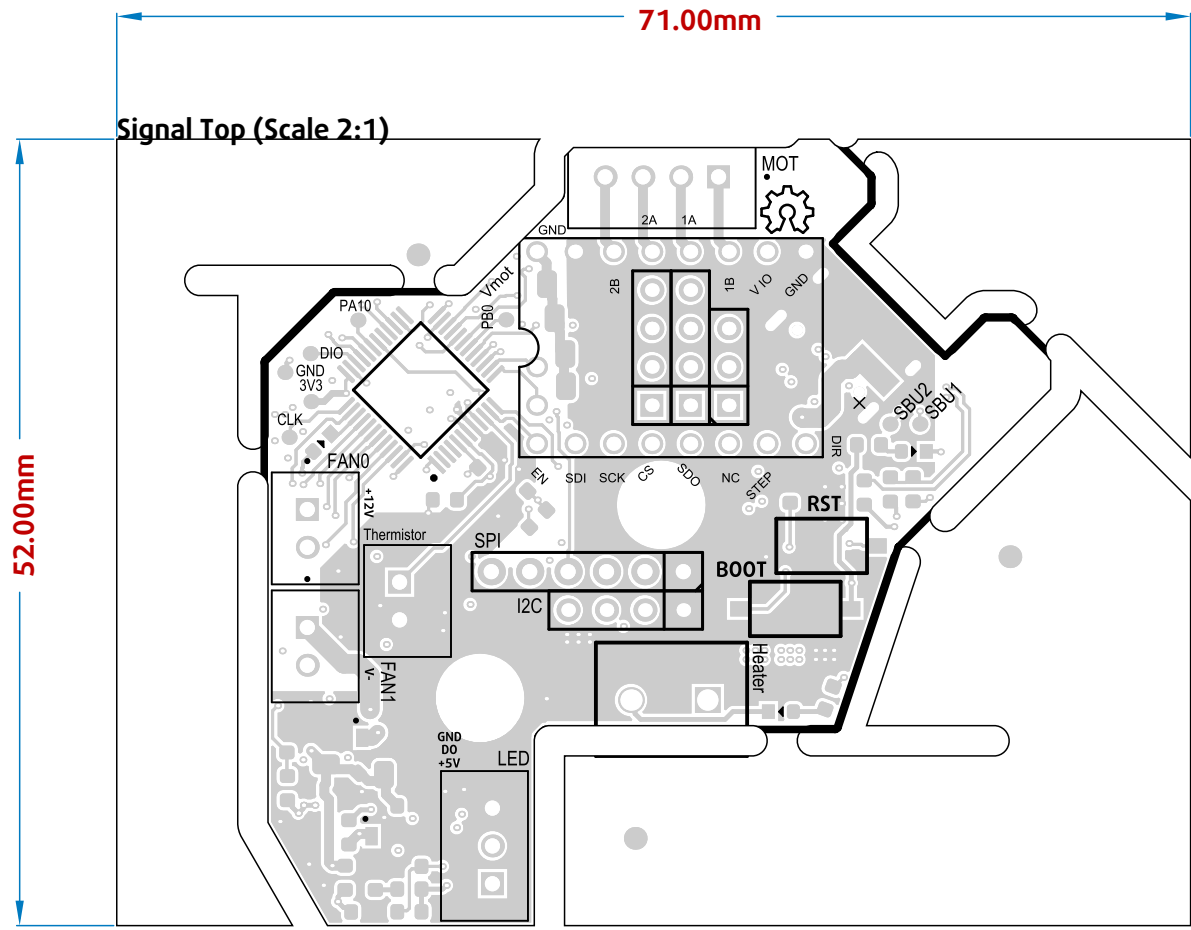
A

B

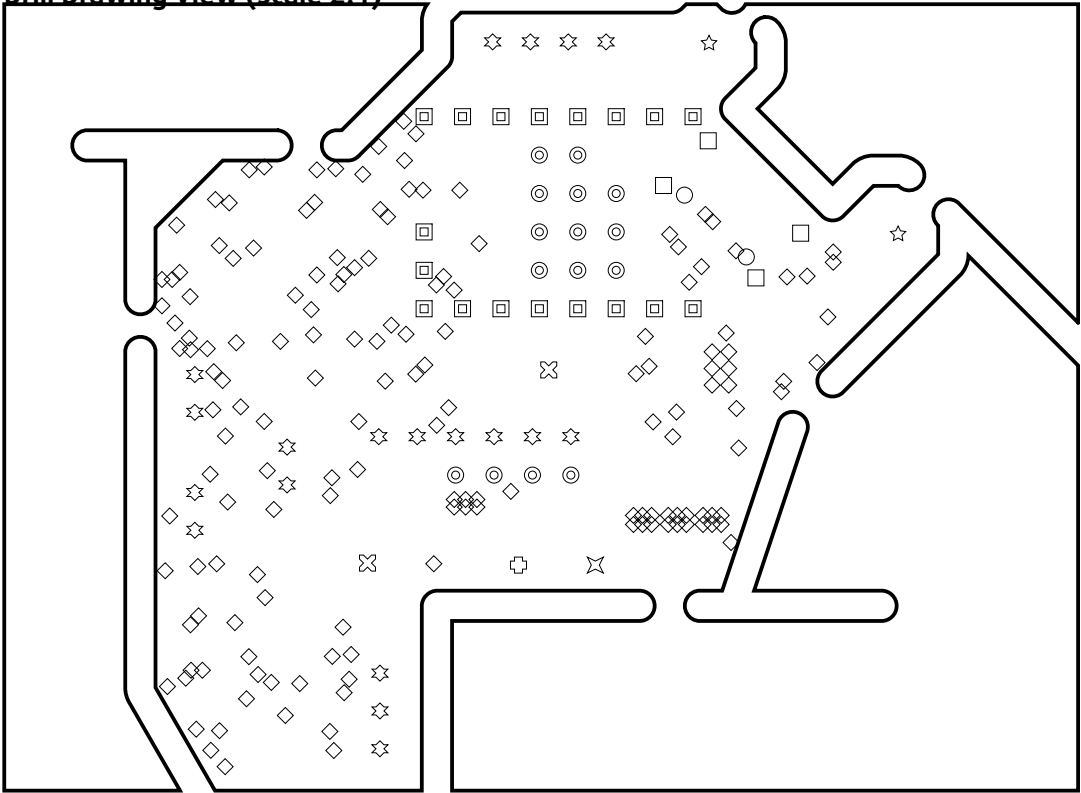
C

D

E



Drill Drawing View (Scale 2:1)



Drill Table

| Symbol | Count     | Hole Size      | Plated     | Via / Pad | Hole Tolerance |
|--------|-----------|----------------|------------|-----------|----------------|
| ◇      | 159       | 0.20mm(8mil)   | Plated     | Via       |                |
| ○      | 2         | 0.67mm(27mil)  | Non-Plated | Pad       |                |
| □      | 4         | 0.70mm(28mil)  | Plated     | Pad       |                |
| ◎      | 15        | 0.89mm(35mil)  | Plated     | Pad       |                |
| ⊠      | 18        | 0.91mm(36mil)  | Plated     | Pad       |                |
| ☆      | 19        | 1.00mm(39mil)  | Plated     | Pad       |                |
| ⊕      | 1         | 1.40mm(55mil)  | Plated     | Pad       |                |
| ✕      | 1         | 1.40mm(55mil)  | Plated     | Pad       |                |
| ☆      | 2         | 2.20mm(87mil)  | Plated     | Pad       |                |
| ✕      | 2         | 3.20mm(126mil) | Plated     | Pad       |                |
|        | 223 Total |                |            |           |                |