**PCB** **description：PE-H02-S2001-2-1 V2.0**

**1. General information:**

1) 4 layers PCB

2) PCB Material: RF4,

3) COLOUR: blue

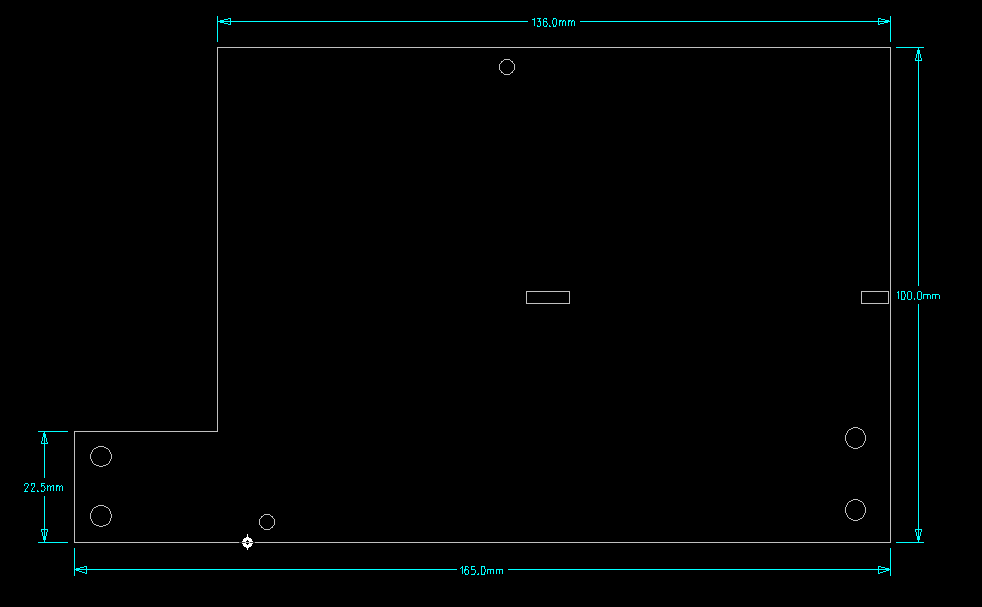
4) Copper thickness inner layer 2oz, outer layer 2oz

5) Thickness 2mm (+-10%)

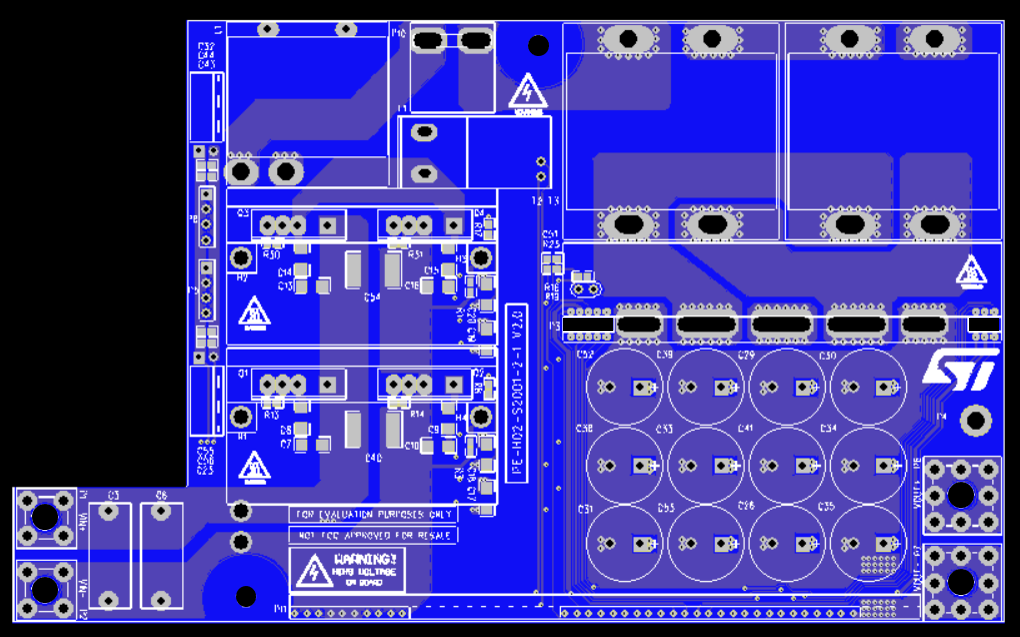
6) PCB top and bottom silkscreen includes component border, text, 2D line, and reference

7) Chemical gold (vias and solder mask)

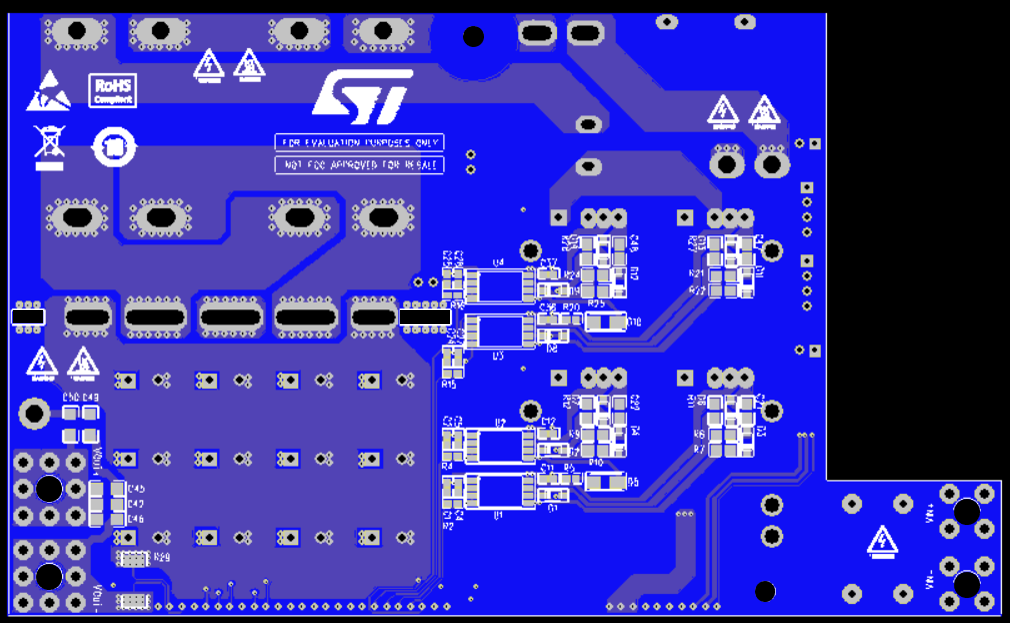
8) 6 screw holes and 2 rectangular slots, position in the 24th drill drawing layer, the position is as below:



**2. Top view:**



**3. Bottom view:**



**4. DETAILS:**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SUPPORT TYPE | | | | |  | FR4 Standard | | | |
| Nr. LAYERS | | | | |  | 4 | | | |
| COPPER EXTERNAL THICKNESS | | | | |  | See stack-up | | | |
| COPPER INTERNAL THICKNESS | | | | |  | See stack-up | | | |
| Vias Metallized | | | | |  | yes | | | |
| BOARD size(mm): | | | | |  | 165x100 | | | |
| SERIGRAFY TOP | | | | |  | YES | | | |
| SERIGRAFY BOT | | | | |  | YES | | | |
| SOLDER MASK TOP | | | | |  | YES | | | |
| SOLDER MASK Bottom | | | | |  | YES | | | |
| SOLDER MASK COLOR | | | | |  | BLU | | | |
| SOLDER PASTE TOP (required if SMD used) | | | | |  | YES | | | |
| SOLDER PASTE Bottom (required if SMD used) | | | | |  | YES | | | |
| PCB-Precision Class- | | |  |  |  |  | | | |
| Class-4 Track width-12mils- hole min.28mils | | | | |  | / | | | |
| Class-5 Track width-8mils- hole min.20mils | | | | |  | / | | | |
| Class-6 Track width-6mils- hole min.16mils | | | | |  | YES | | | |
| CROP inside Gerber files | | | | |  | YES | | | |
| Final Finishes | | |  |  |  |  | | | |
| Hot Air Levelling ( HAL ) | | | | |  | / | | | |
| Hot Air Levelling Lead Free (HAL lead free) | | | | |  | YES | | | |
| CHEMICAL GOLD | | | | |  | YES | | | |
| CHEMICAL TIN | | | | |  | / | | | |
| ELECTROLITIC GOLD | | | | |  | / | | | |
| COPPER PASSIVATED | | | | |  | / | | | |
| CHEMICAL TIN | | | | |  | / | | | |
|  |  |  |  |  |  |  |  |  |  |
| CLASS OF ACCURACY -SIZE & INFORMATION | | | | | |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| **Class of accuracy** | | | **4** | **5** | **6** |  |  |  |  |
| Route width [mil (mm)] | | | 12 (0.3048) | 8 (0.2032) | 6 (0.1524) |  |  |  |  |
| Isolation width [mil (mm)] | | | 12 (0.3048) | 8 (0.2032) | 6 (0.1524) |  |  |  |  |
| Drill diameter (ØD) [mil (mm)] | | | 28 (0.7112) | 20 (0.5080) | 16 (0.4064) |  |  |  |  |
| Pad diameter (ØPAD) [mil] | | | ØD + 24 | ØD + 16 | ØD + 12 |  |  |  |  |
| Solder mask diameter [mil] | | | ØPAD + 10 | ØPAD + 8 | ØPAD + 6 |  |  |  |  |

**Note：**Attached is the original PCB file, please ask the PCB manufacturer to help check whether there is any error in the Gerber file, if there is any error, you can re-export the Gerber file according to above specification.