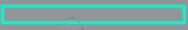
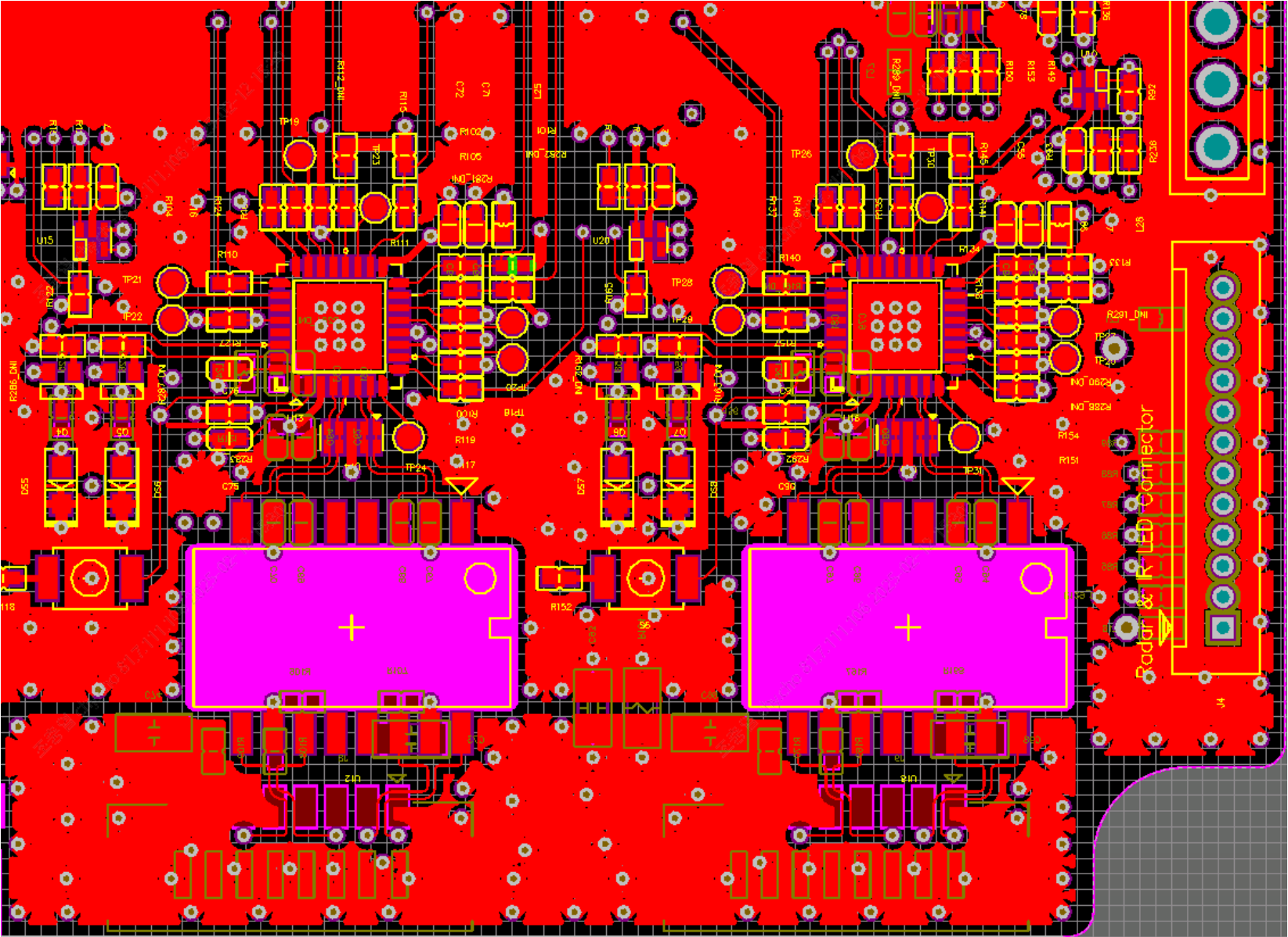


PCB Stack-up

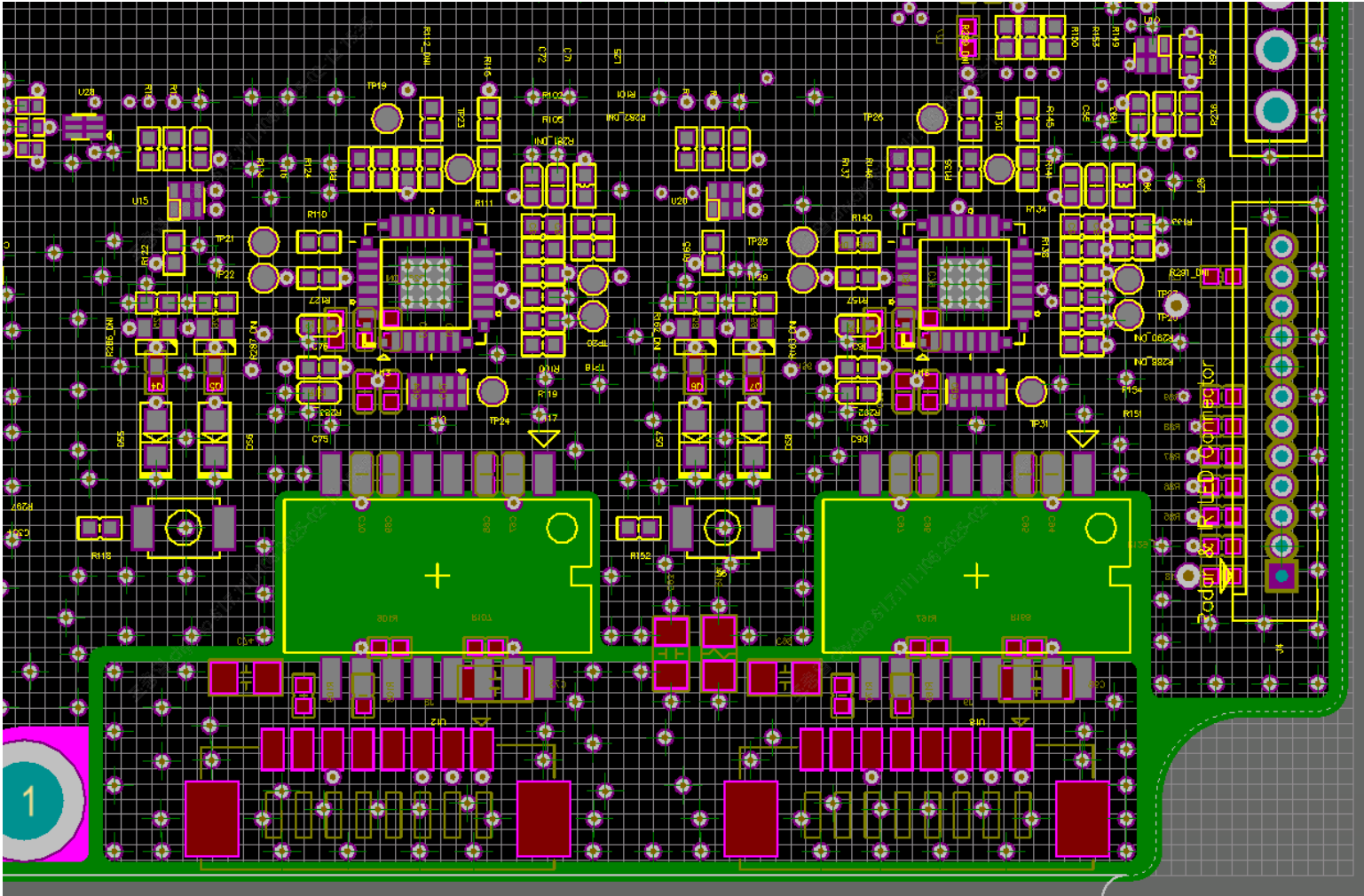
|          |                                                                                     |                  | 50 Ohm  | Df 90 Ohm |         | Df 100 Ohm |         |
|----------|-------------------------------------------------------------------------------------|------------------|---------|-----------|---------|------------|---------|
|          |                                                                                     |                  | Pattern | Pattern   | Space   | Pattern    | Space   |
| LAYER 1  |    | TOP SIDE         | 0.117mm | 0.119mm   | 0.201mm | 0.10mm     | 0.201mm |
|          |    | Pre-Preg         |         |           |         |            |         |
| LAYER 2  |    | INNER 1 (GND)    | 0.107mm | 0.109mm   | 0.181mm | 0.09mm     | 0.201mm |
|          |    | Core             |         |           |         |            |         |
| LAYER 3  |    | INNER 2 (SIGNAL) | 0.107mm | 0.109mm   | 0.181mm | 0.09mm     | 0.201mm |
|          |    | Pre-Preg         |         |           |         |            |         |
| LAYER 4  |    | INNER 3 (GND)    | 0.107mm | 0.109mm   | 0.181mm | 0.09mm     | 0.201mm |
|          |    | Core             |         |           |         |            |         |
| LAYER 5  |    | INNER 4 (SIGNAL) | 0.107mm | 0.109mm   | 0.181mm | 0.09mm     | 0.201mm |
|          |    | Pre-Preg         |         |           |         |            |         |
| LAYER 6  |    | INNER 5 (VCC)    | 0.107mm | 0.109mm   | 0.181mm | 0.09mm     | 0.201mm |
|          |    | Core             |         |           |         |            |         |
| LAYER 7  |    | INNER 6 (VCC)    | 0.107mm | 0.109mm   | 0.181mm | 0.09mm     | 0.201mm |
|          |    | Pre-Preg         |         |           |         |            |         |
| LAYER 8  |    | INNER 7 (VCC)    | 0.107mm | 0.109mm   | 0.181mm | 0.09mm     | 0.201mm |
|          |    | Core             |         |           |         |            |         |
| LAYER 9  |    | INNER 8 (GND)    | 0.107mm | 0.109mm   | 0.181mm | 0.09mm     | 0.201mm |
|          |  | Pre-Preg         |         |           |         |            |         |
| LAYER 10 |  | INNER 9 (SIGNAL) | 0.107mm | 0.109mm   | 0.181mm | 0.09mm     | 0.201mm |
|          |  | Core             |         |           |         |            |         |
| LAYER 11 |  | INNER 10 (GND)   | 0.117mm | 0.119mm   | 0.201mm | 0.10mm     | 0.201mm |
|          |  | Pre-Preg         |         |           |         |            |         |
| LAYER 12 |  | BOTTOM SIDE      | 0.117mm | 0.119mm   | 0.201mm | 0.10mm     | 0.201mm |

THE FINISHED PCB THICKNESS TO BE : 1.6mm +/- 10%

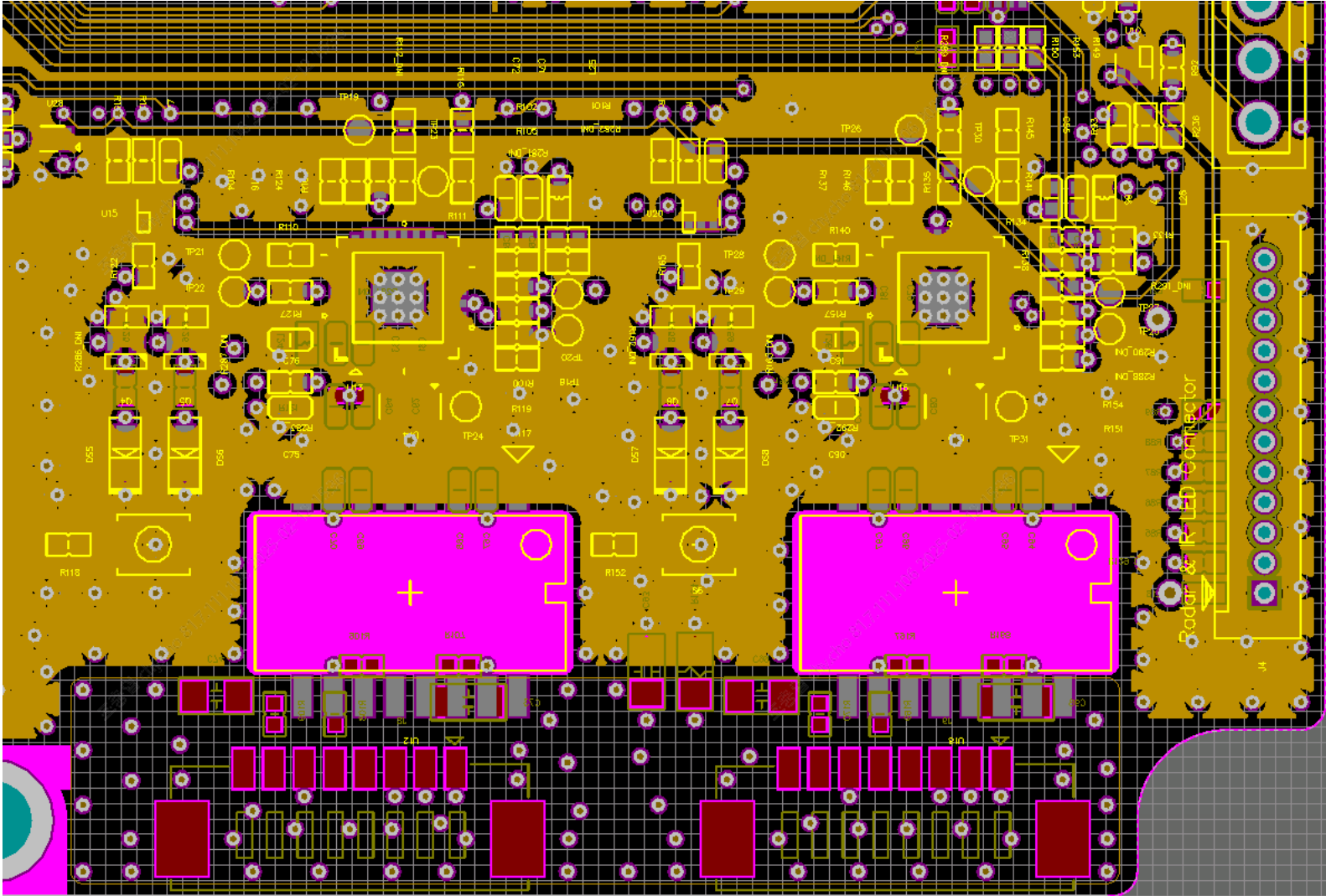
Top



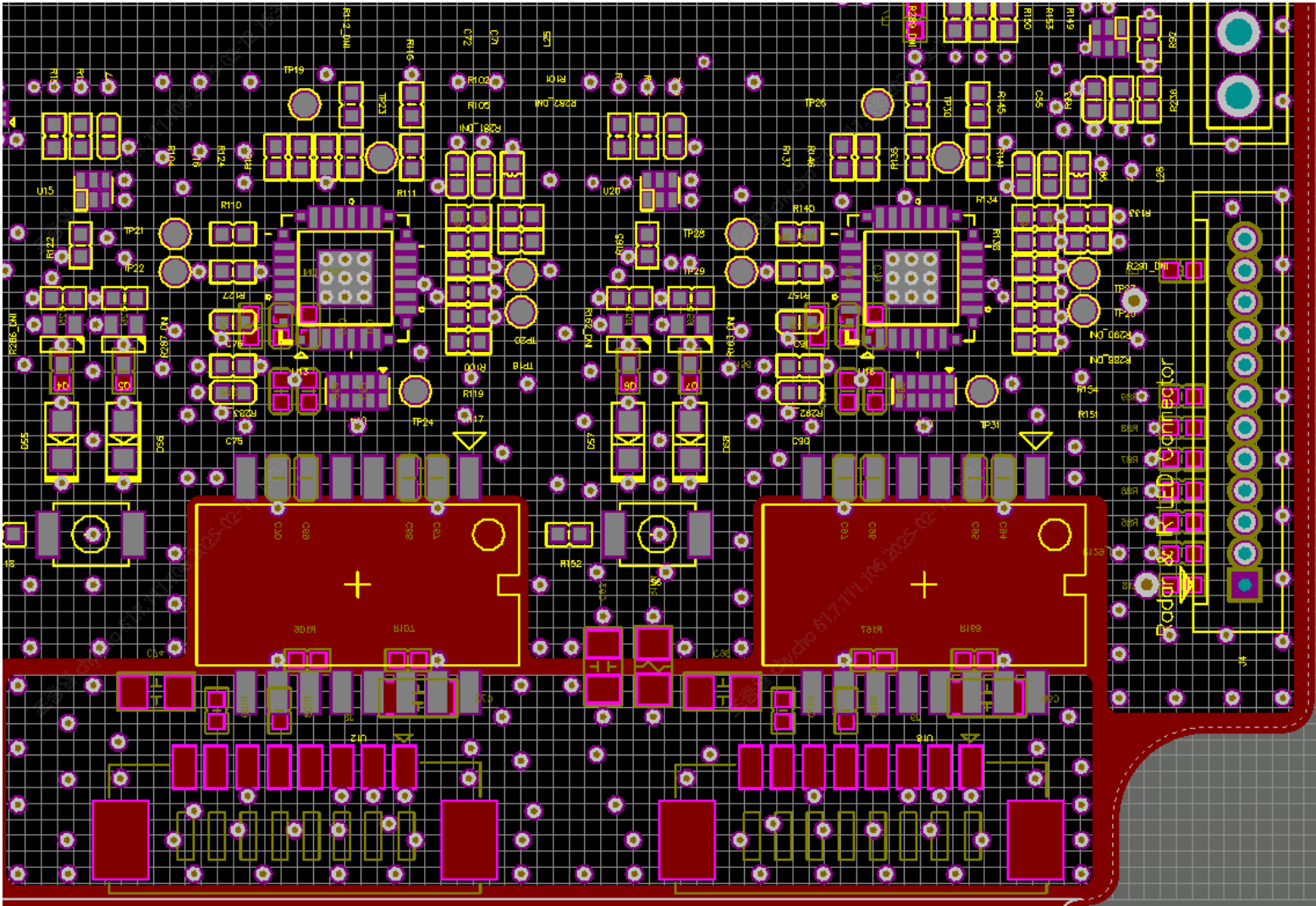
Layer 2



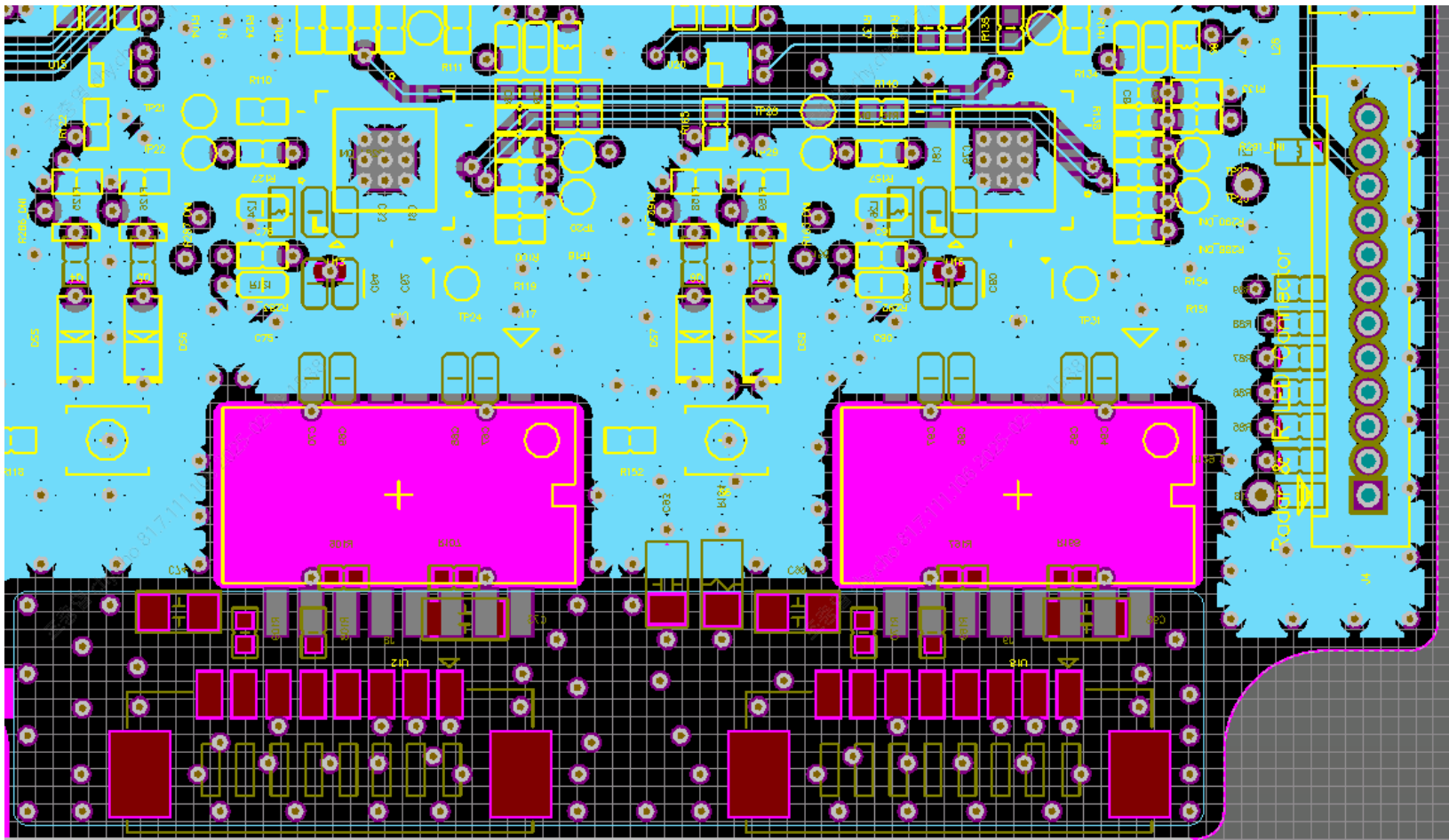
Layer 3



Layer 4

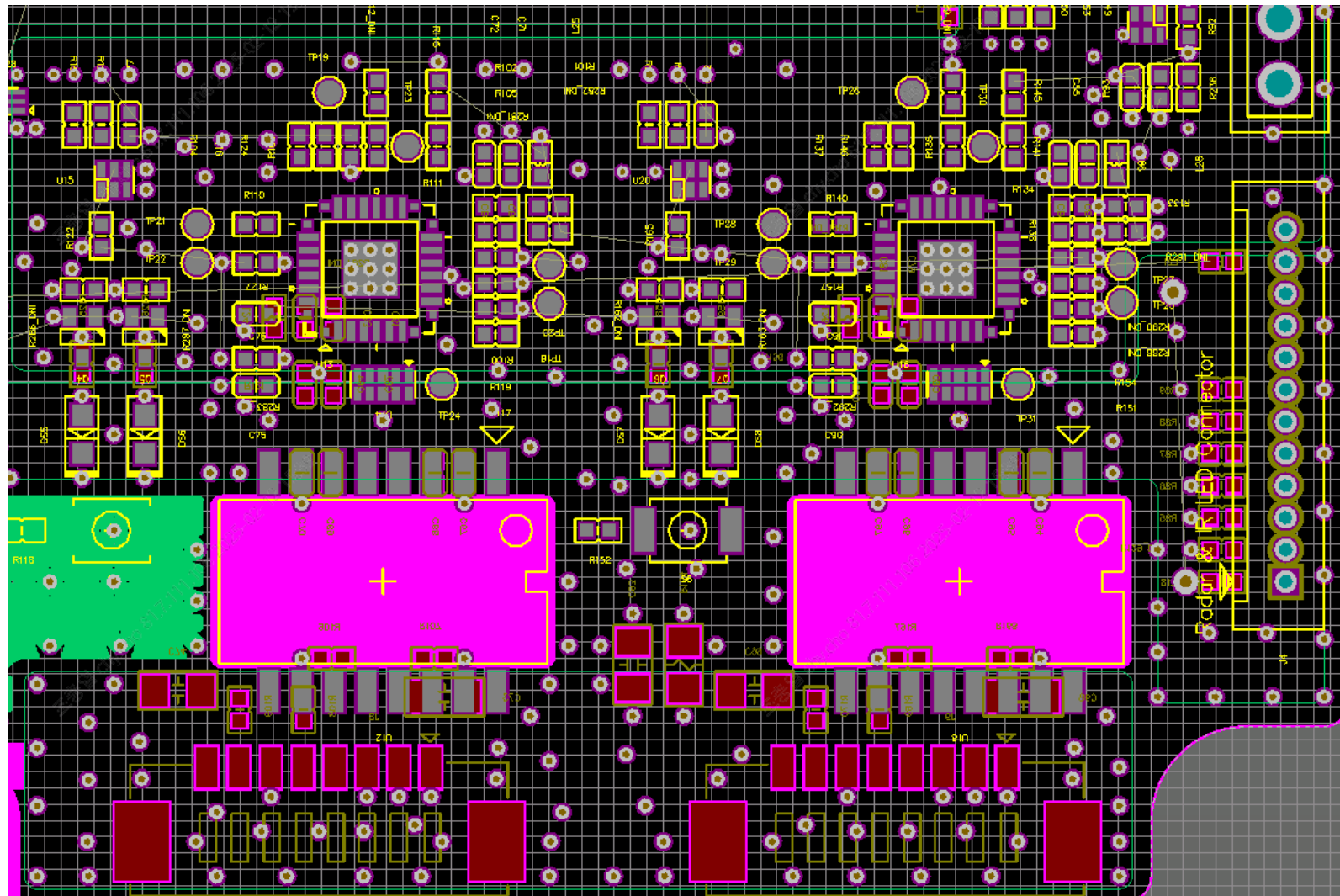


Layer 5

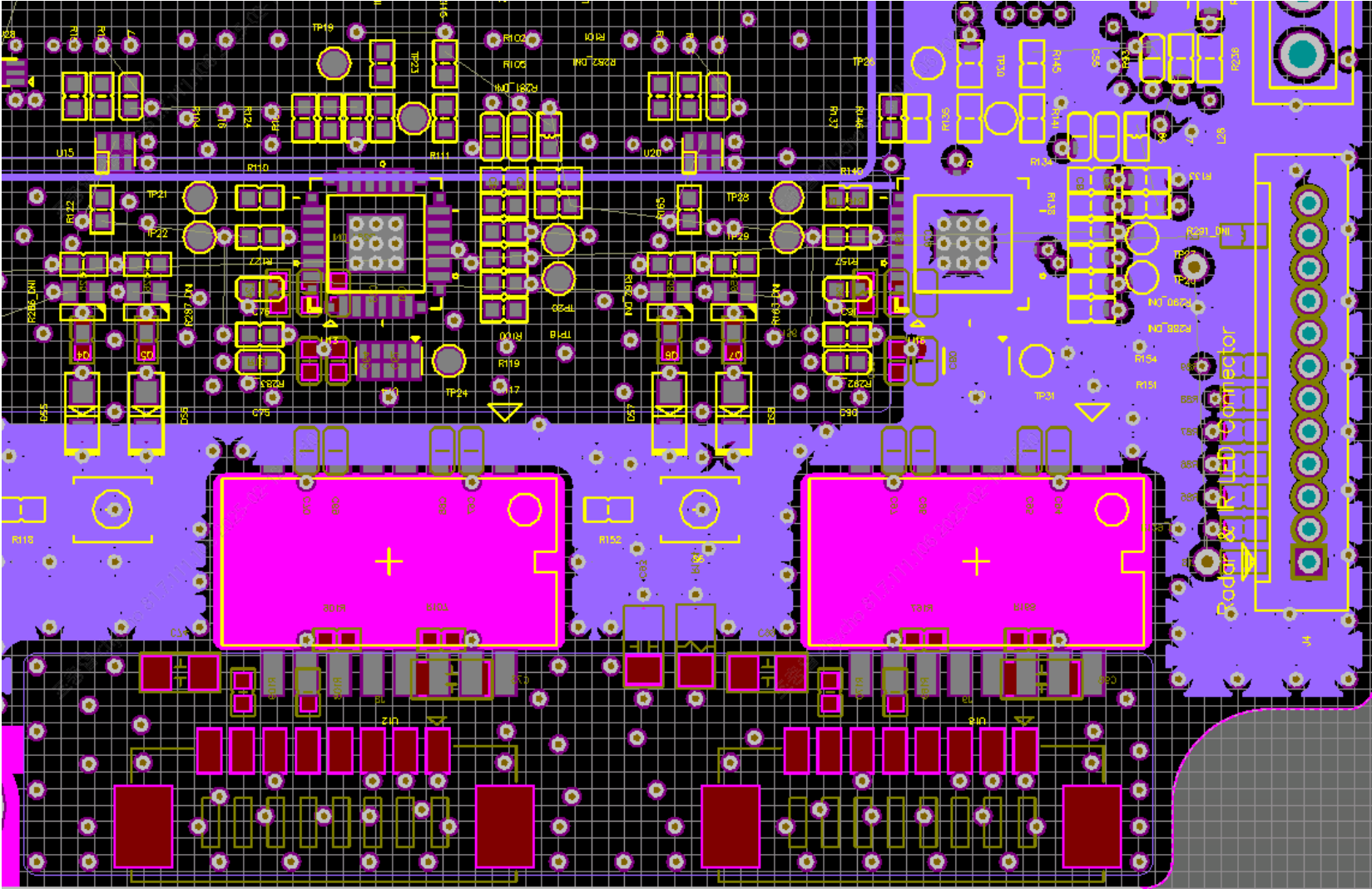




Layer 6

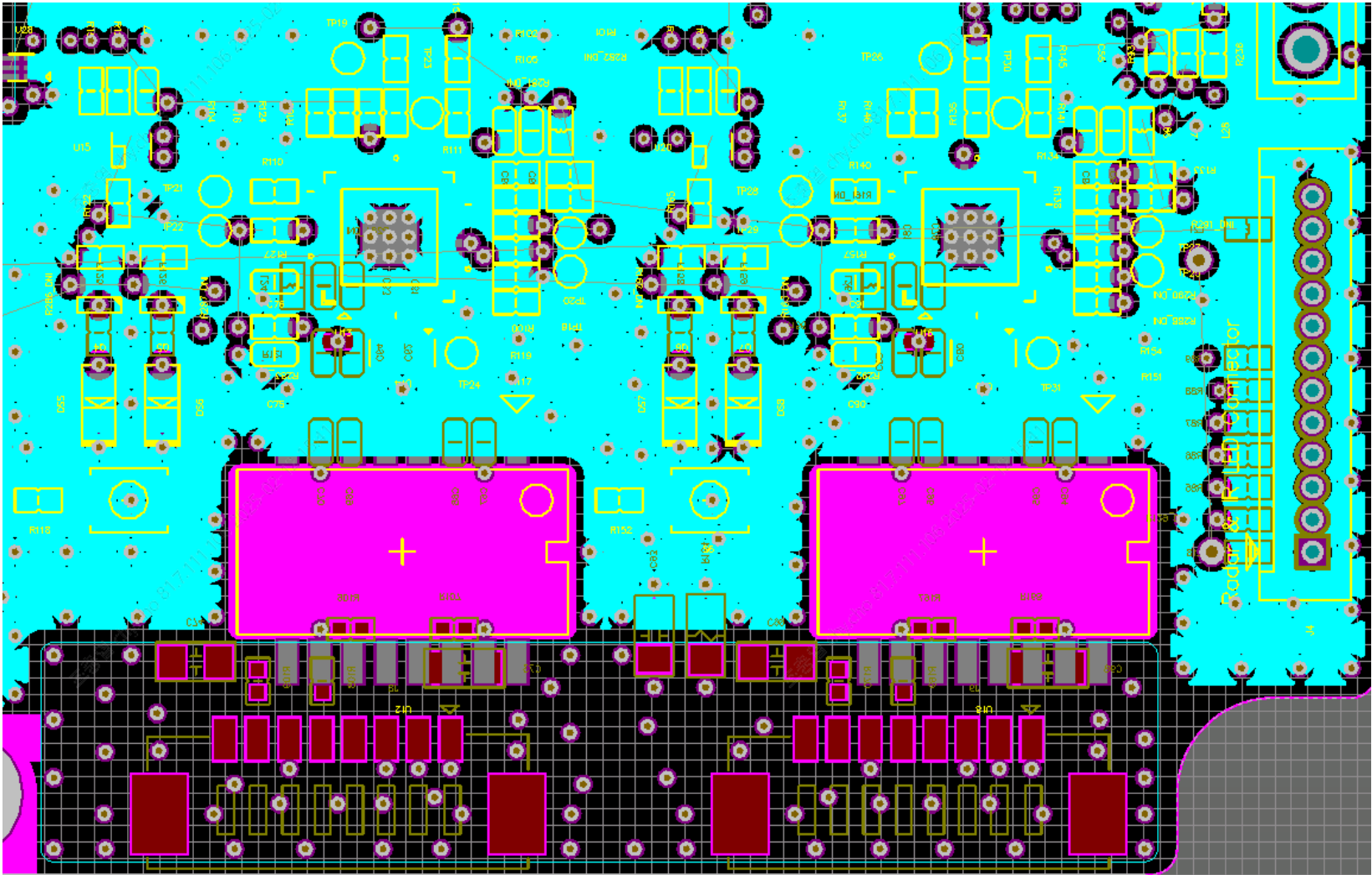


Layer 7

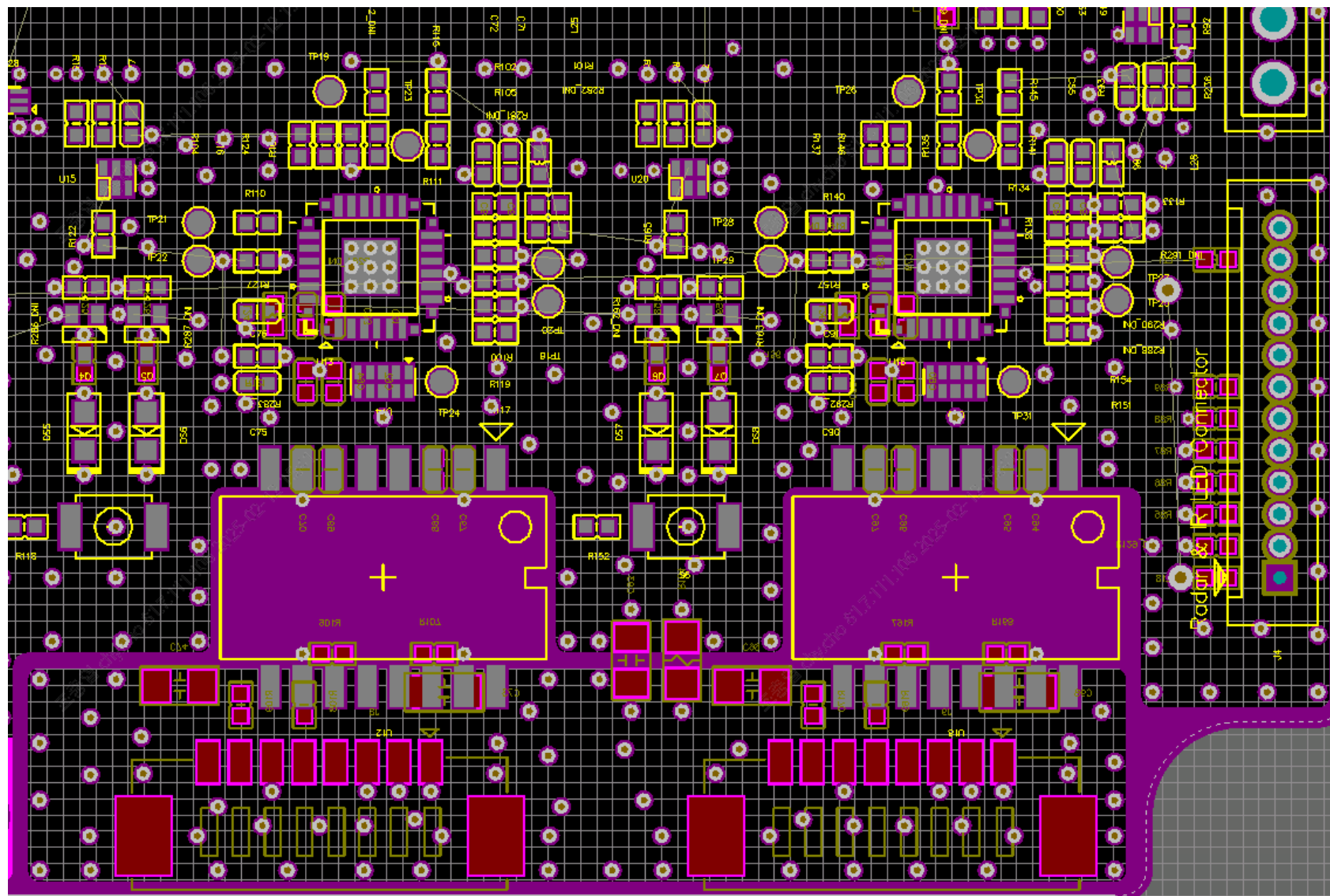




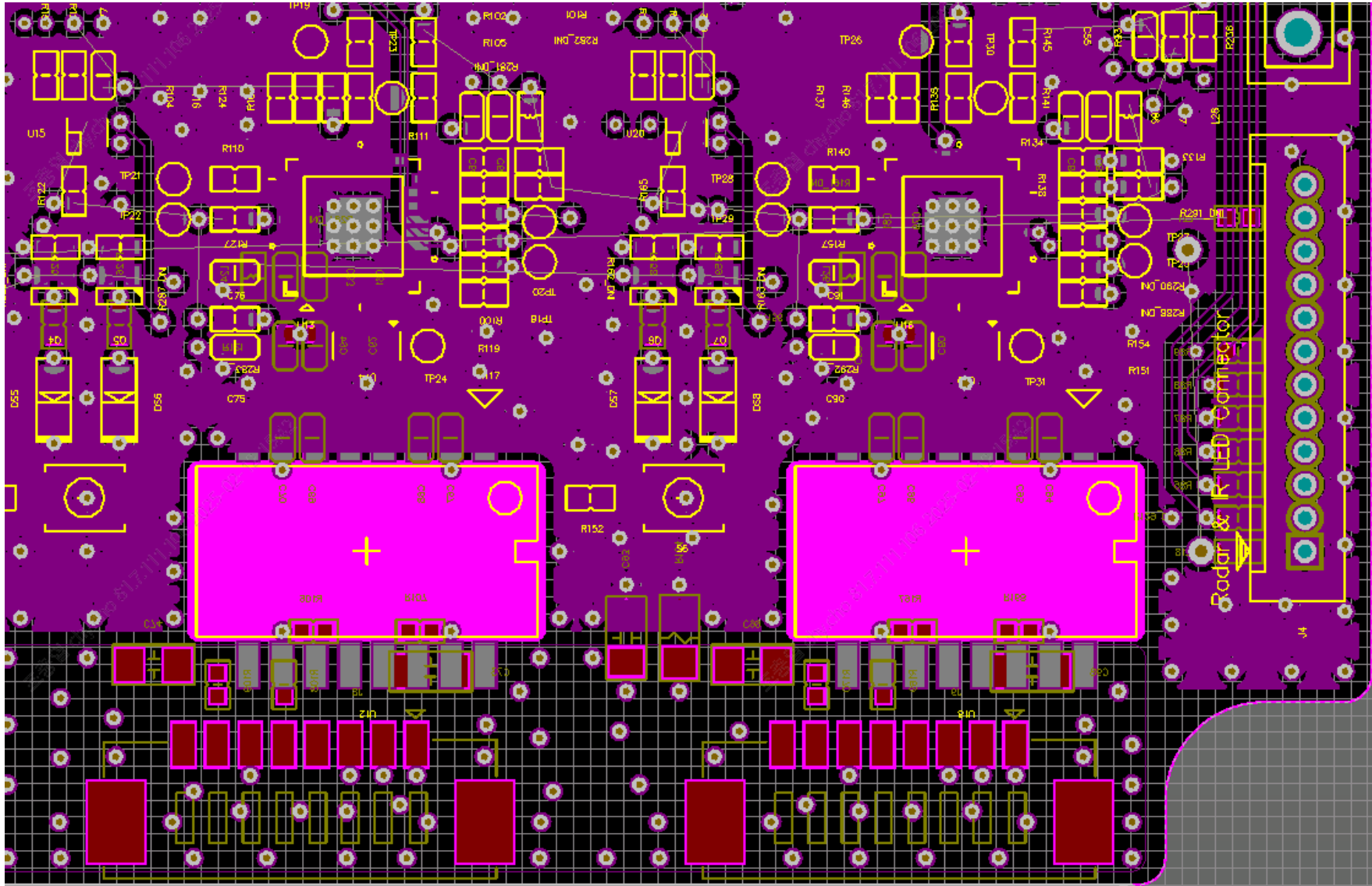
Layer 8



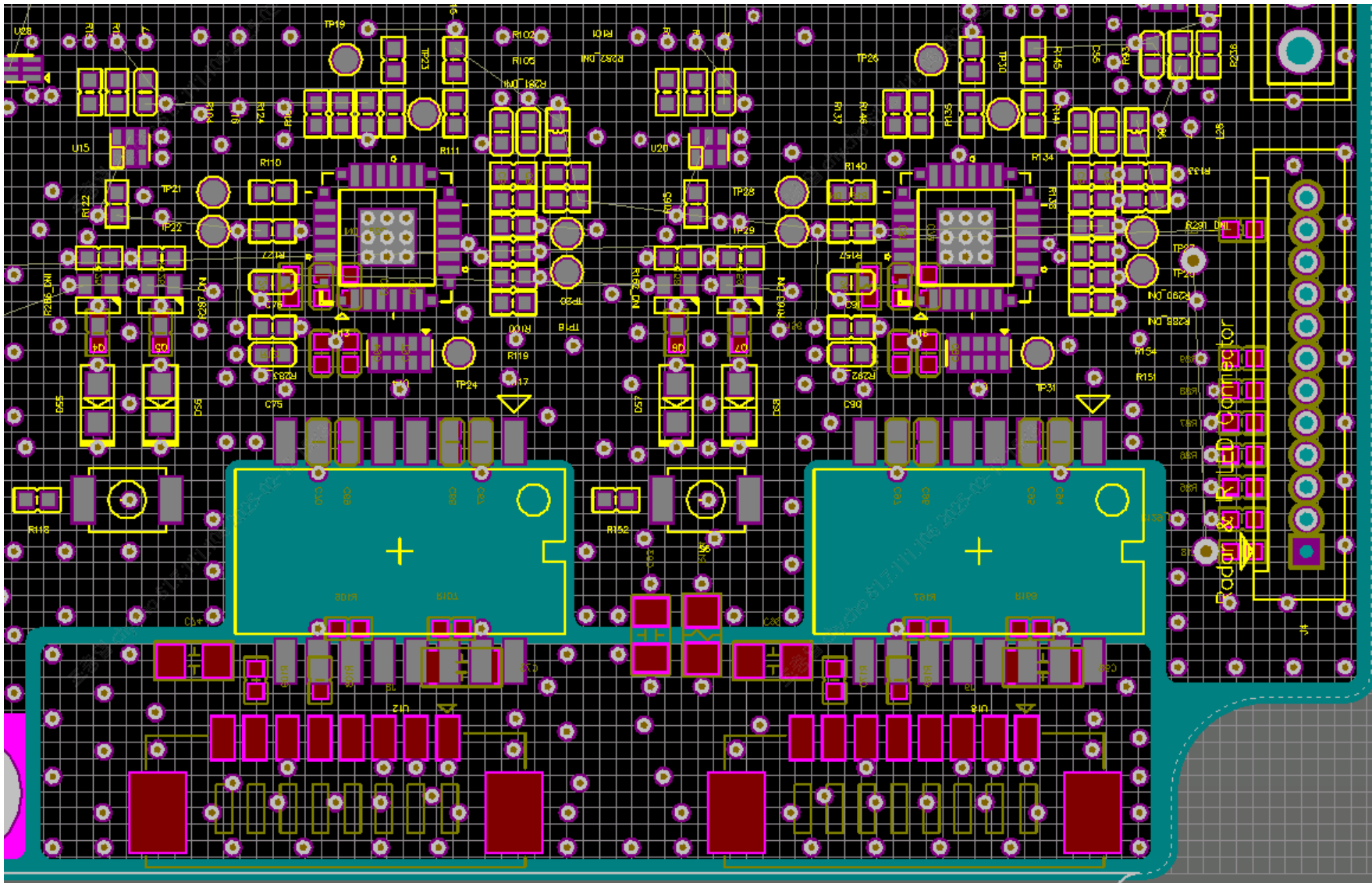
## Layer 9



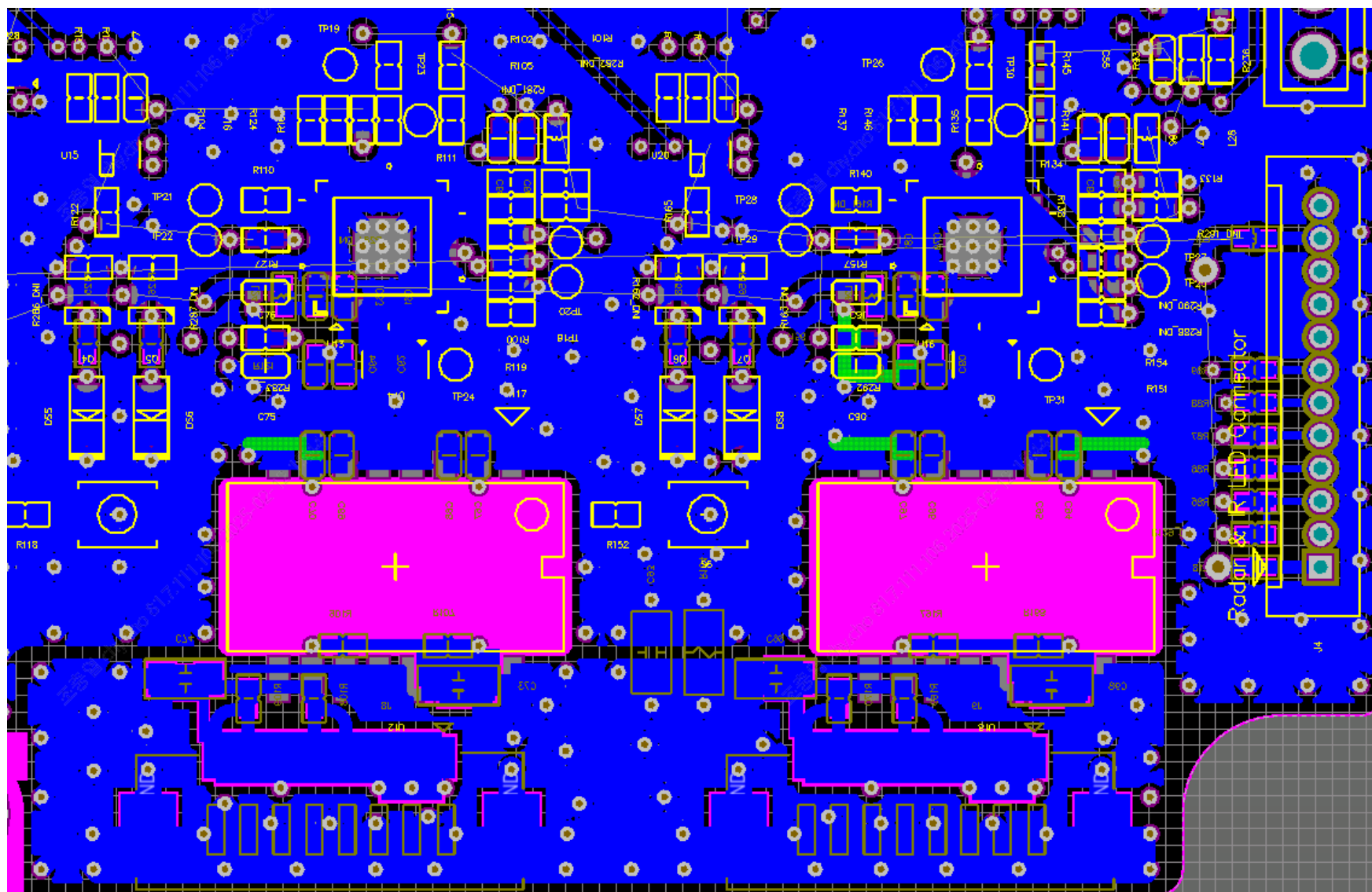
## Layer 10



## Layer 11

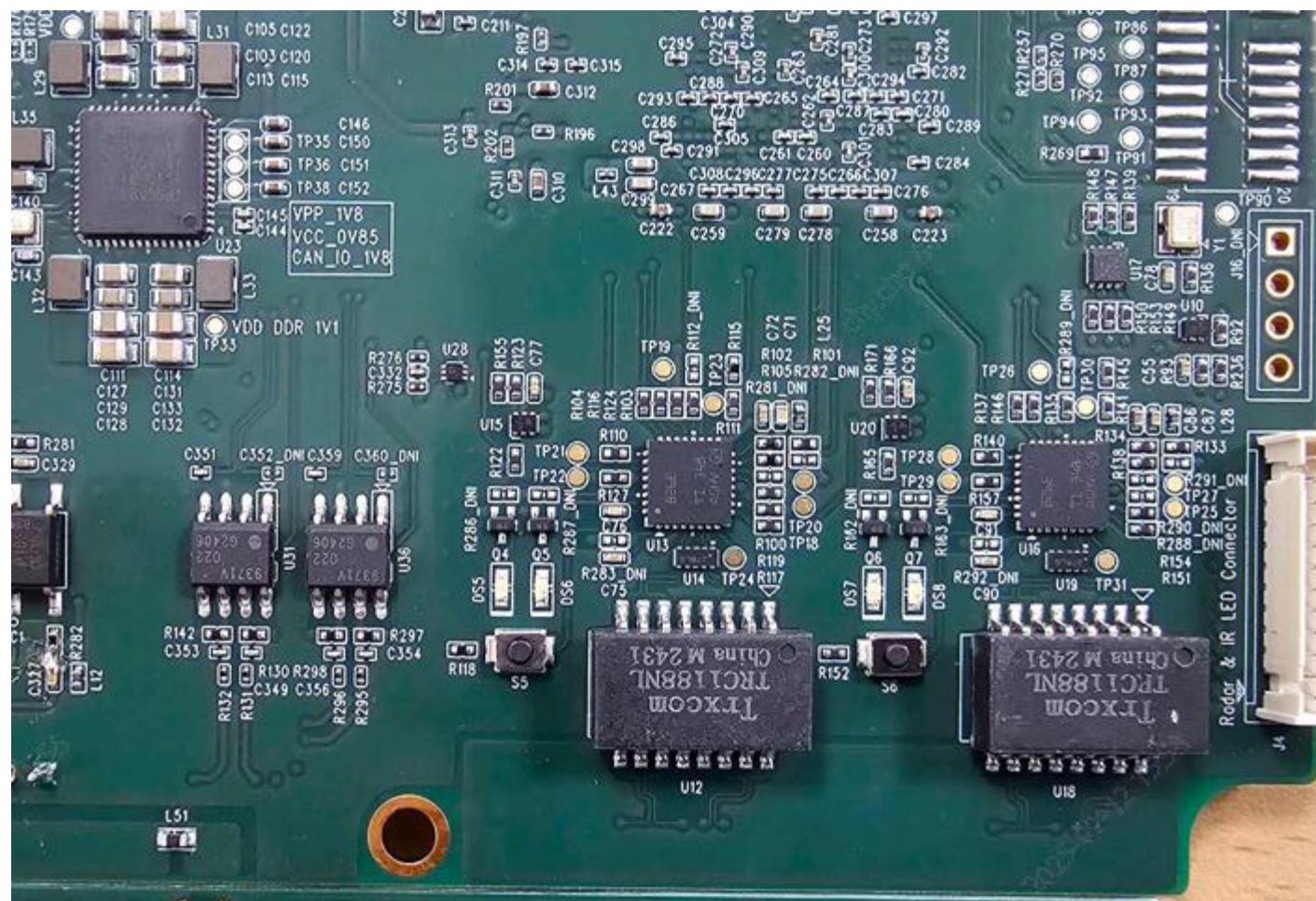


Bottom



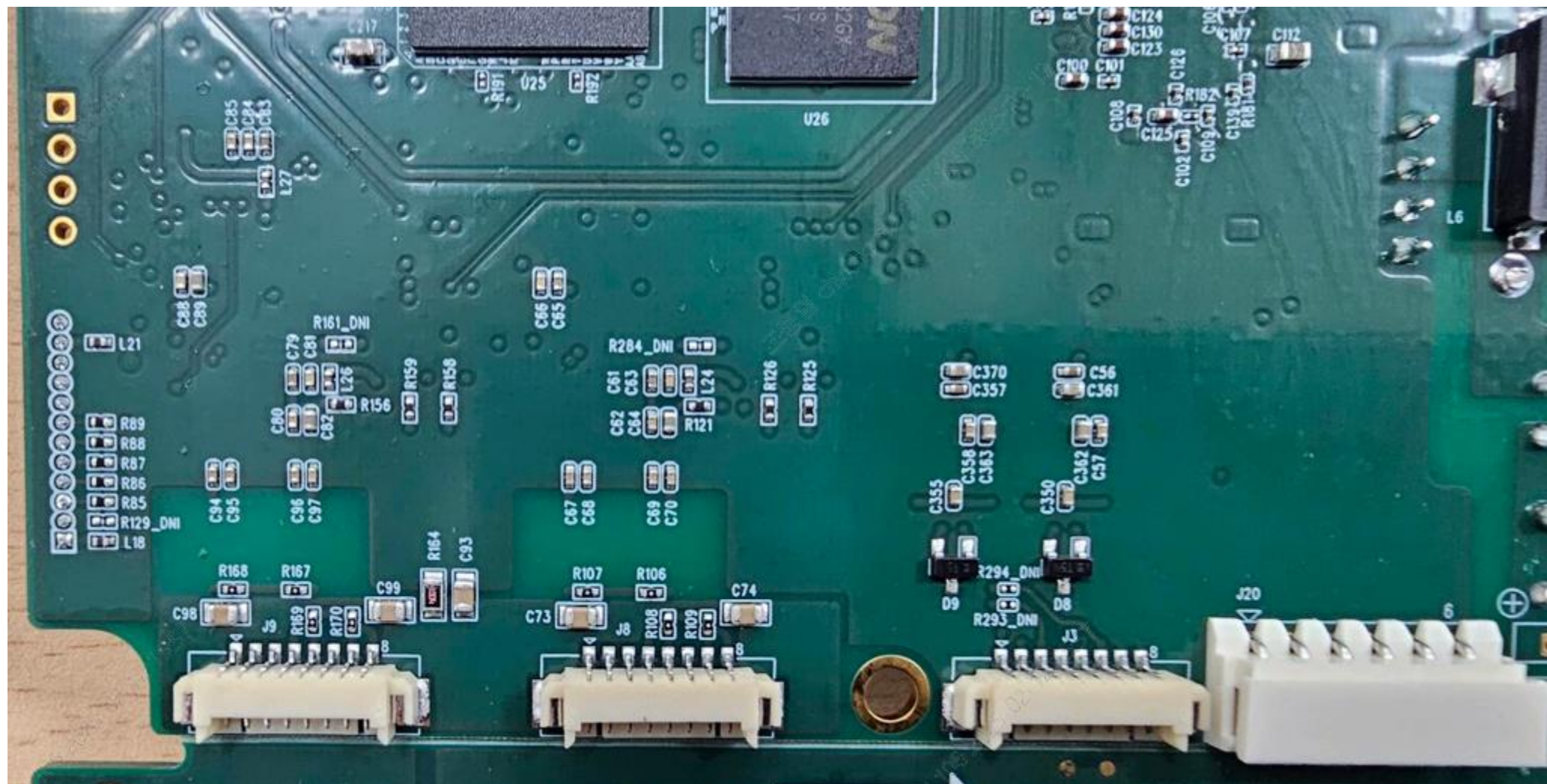


실사진\_Top





실사진\_Bottom



## 실사진\_커넥터체결

