

**PCB and PCBA OEM service detail**

| Article             | Description                                                   | Capability                                   |
|---------------------|---------------------------------------------------------------|----------------------------------------------|
| Service             | PCB and SMT assembly with one-stop service                    |                                              |
| Material            | Laminate materials                                            | FR4, FR5, high TG FR4, high frequency, alum, |
| Board cutting       | Number of layers                                              | 1-68                                         |
|                     | Min.thickness for inner layers<br>(Cu thickness are excluded) | 0.003*(0.07mm)                               |
| Board thickness     | Standard                                                      | (0.1-8mm±10%)                                |
| Copper weight       | Outer Cu weight                                               | 1/3-4 oz                                     |
|                     | Inner Cu weight                                               | 1/3-3 oz                                     |
| Drilling            | Min size                                                      | 0.0059*(0.15mm)                              |
|                     | Min laser hole size                                           | 0.0039*(0.1mm)                               |
|                     | Drill deviation                                               | ±0.002*(0.05mm)                              |
|                     | PTH hole tolerance                                            | ±0.002*(0.005mm)                             |
|                     | NPTH hole tolerance                                           | ±0.002" (0.005mm)                            |
| Solder mask         | Color                                                         | Green,white,black,red,blue etc               |
|                     | Min solder mask clearance                                     | 0.003*(0.07mm)                               |
|                     | Thickness                                                     | (0.012*0.017mm)                              |
| Silkprint           | Color                                                         | white,black,yellow,blue etc                  |
|                     | Min size                                                      | 0.006*(0.15mm)                               |
| E-test              | Function Test                                                 | 100% Functional test                         |
|                     | PCBA Testing PCBA                                             | X-ray, AOI Test, Functional test             |
| Multifunctional SMT | Accuracy                                                      | ±0.03mm                                      |
|                     | Speed                                                         | 0.2sec/pc                                    |
|                     | Available part                                                | 01005 chip to 85x85mm                        |
| High speed SMT      | Accuracy                                                      | ±0.04mm                                      |
|                     | Speed                                                         | 0.033sec/pc                                  |
|                     | Available part                                                | 0402 chip to 27x27mm                         |
| Surface treatment   | HASL,ENIG,immersion silver,immersion tin,OSP                  |                                              |