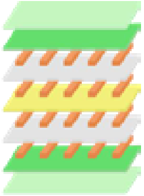
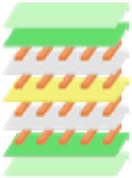
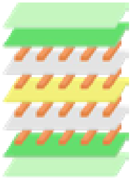
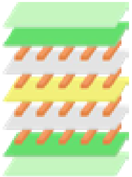
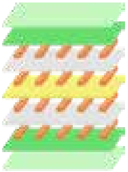
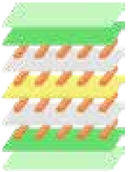
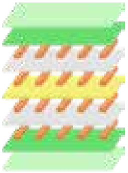
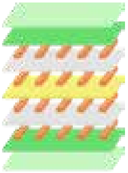
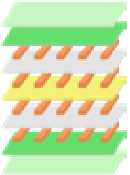
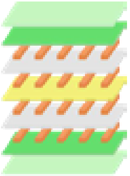
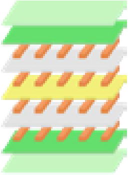
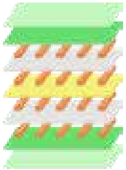
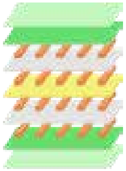
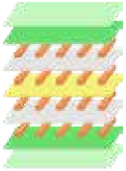
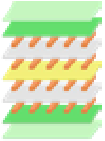
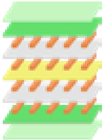
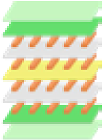
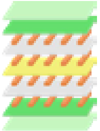
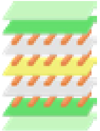
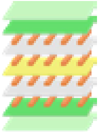
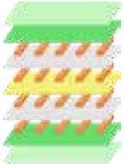
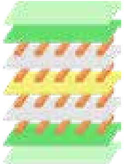
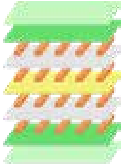
# WEEQOO Multi-layer PCB Standard Stackup

## 4-Layer PCB Board

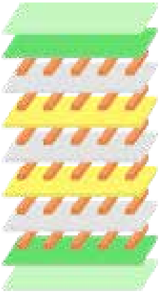
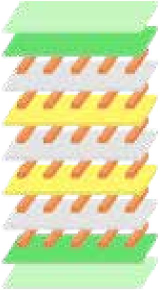
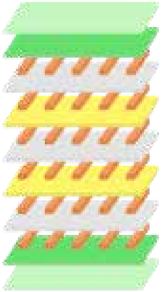
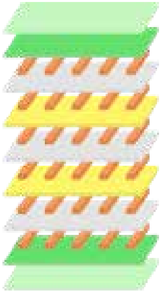
| Thickness | Copper thick (outer/inner) | StackUp | Layer No. | Laminated chart Thickness |
|---|---|---|---|---|
| 0.4mm±0.1mm | 1/1oz |  | L1 | Copper 18 um--plating to 35um |
| | | | | PP 0.08 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.2mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.08 mm dielectric constant 4.29 |
| | | | L4 | Copper 18 um--plating to 35um |
| Thickness | Copper thick (outer/inner) | StackUp | Layer No. | Laminated chart Thickness |
| 0.6mm±0.1mm | 1/1oz |  | L1 | Copper 18 um--plating to 35um |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.2mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L4 | Copper 18 um--plating to 35um |
| 0.6mm±0.1mm | 1/1oz |  | L1 | Copper 18 um--plating to 35um |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.3mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L4 | Copper 18 um--plating to 35um |
| 0.6mm±0.1mm | 2/1oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.2mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L4 | Copper 50um(±5)um-plating to 70um |
| Thickness | Copper thick (outer/inner) | StackUp | Layer No. | Laminated chart Thickness |
| 0.8mm±0.1mm | 1/1oz |  | L1 | Copper 18 um--plating to 35um |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.4mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L4 | Copper 18 um--plating to 35um |
| 0.8mm±0.1mm | 2/1oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.4mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L4 | Copper 50um(±5)um-plating to 70um |
| 0.8mm±0.1mm | 1/1oz |  | L1 | Copper 18 um--plating to 35um |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.3mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L4 | Copper 18 um--plating to 35um |
| 0.8mm±0.1mm | 2/1.5oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.22 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.2mm with 1.5/1.5 oz Cu |
| | | | L3 | |
| | | | | PP 0.22 mm dielectric constant 4.29 |
| | | | L4 | Copper 50um(±5)um-plating to 70um |

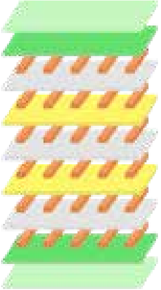
| Thickness | Copper thick (outer/inner) | StackUp | Layer No. | Laminated chart Thickness |
|---|---|---|---|---|
| 1.0mm±0.1mm | 1/1oz |  | L1 | Copper 18 um--plating to 35um |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.6mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L4 | Copper 18 um--plating to 35um |
| 1.0mm±0.1mm | 2/1oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.6mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L4 | Copper 50um(±5)um-plating to 70um |
| 1.0mm±0.1mm | 2/1.5oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.22 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.4mm with 1.5/1.5 oz Cu |
| | | | L3 | |
| | | | | PP 0.22 mm dielectric constant 4.29 |
| | | | L4 | Copper 50um(±5)um-plating to 70um |
| Thickness | Copper thick (outer/inner) | StackUp | Layer No. | Laminated chart Thickness |
| 1.2mm±10% | 1/1oz |  | L1 | Copper 18 um--plating to 35um |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.8mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L4 | Copper 18 um--plating to 35um |
| 1.2mm±10% | 2/1oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.8mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L4 | Copper 50um(±5)um-plating to 70um |
| 1.2mm±10% | 2/1.5oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.22 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.6mm with 1.5/1.5 oz Cu |
| | | | L3 | |
| | | | | PP 0.22 mm dielectric constant 4.29 |
| | | | L4 | Copper 50um(±5)um-plating to 70um |

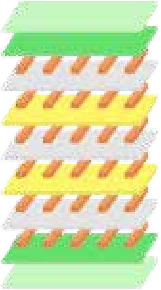
| Thickness | Copper thick (outer/inner) | StackUp | Layer No. | Laminated chart Thickness |
|---|---|---|---|---|
| 1.6mm±10% | 1/1oz |  | L1 | Copper 18 um--plating to 35um |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 1.2mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L4 | Copper 18 um--plating to 35um |
| 1.6mm±10% | 2/1oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 1.2mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L4 | Copper 50um(±5)um-plating to 70um |
| 1.6mm±10% | 2/1.5oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.22 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 1mm with 1.5/1.5 oz Cu |
| | | | L3 | |
| | | | | PP 0.22 mm dielectric constant 4.29 |
| | | | L4 | Copper 50um(±5)um-plating to 70um |
| Thickness | Copper thick (outer/inner) | StackUp | Layer No. | Laminated chart Thickness |
| 2.0mm±10% | 1/1oz |  | L1 | Copper 18 um--plating to 35um |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 1.6mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L4 | Copper 18 um--plating to 35um |
| 2.0mm±10% | 2/1oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 1.6mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L4 | Copper 50um(±5)um-plating to 70um |
| 2.0mm±10% | 2/1.5oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.29 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 1.2mm with 1.5/1.5 oz Cu |
| | | | L3 | |
| | | | | PP 0.29 mm dielectric constant 4.29 |
| | | | L4 | Copper 50um(±5)um-plating to 70um |
| Thickness | Copper thick (outer/inner) | StackUp | Layer No. | Laminated chart Thickness |
| 2.4mm±10% | 1/1oz |  | L1 | Copper 18 um--plating to 35um |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 2mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L4 | Copper 18 um--plating to 35um |
| 2.4mm±10% | 2/1oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 2mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L4 | Copper 50um(±5)um-plating to 70um |
| 2.4mm±10% | 2/1.5oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.36 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 1.6mm with 1.5/1.5 oz Cu |
| | | | L3 | |
| | | | | PP 0.36 mm dielectric constant 4.29 |
| | | | L4 | Copper 50um(±5)um-plating to 70um |

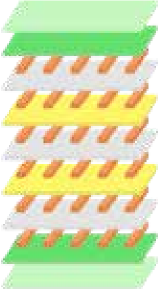
**Note:** The above is the standard stackup of WEEQOO's 4-layer PCB board,we may change the layer stackup according to latest material or technology.For more detailsThe custom stackup is available, feel free to contact us via service@weeqoo.com.

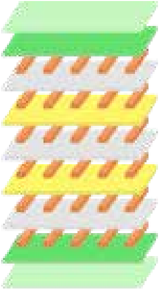
**6-Layer PCB Board**

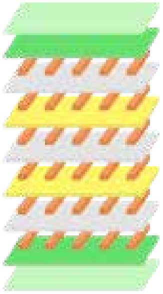
| Thickness | Copper thick (outer/inner) | StackUp | Layer No. | Laminated chart Thickness |
|---|---|---|---|---|
| 0.8mm<br>±0.1mm | 1/1oz |  | L1 | Copper 18 um--plating to 35um |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.2mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L4 | |
| | | | | Core 0.2mm with 1/1 oz Cu |
| | | | L5 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L6 | Copper 18 um--plating to 35um |
| Thickness | Copper thick (outer/inner) | StackUp | Layer No. | Laminated chart Thickness |
| 1.0mm<br>±0.1mm | 1/1oz |  | L1 | Copper 18 um--plating to 35um |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.2mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L4 | |
| | | | | Core 0.2mm with 1/1 oz Cu |
| | | | L5 | |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L6 | Copper 18 um--plating to 35um |
| 1.0mm<br>±0.1mm | 2/1oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.2mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.22 mm dielectric constant 4.29 |
| | | | L4 | |
| | | | | Core 0.2mm with 1/1 oz Cu |
| | | | L5 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L6 | Copper 50um(±5)um-plating to 70um |
| Thickness | Copper thick (outer/inner) | StackUp | Layer No. | Laminated chart Thickness |
| 1.2mm±10% | 1/1oz |  | L1 | Copper 18 um--plating to 35um |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.4mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L4 | |
| | | | | Core 0.4mm with 1/1 oz Cu |
| | | | L5 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L6 | Copper 18 um--plating to 35um |

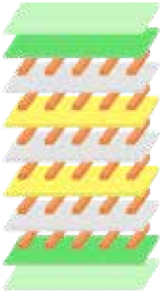
| Thickness | Copper thick (outer/inner) | StackUp | Layer No. | Laminated chart Thickness |
|---|---|---|---|---|
| 1.2mm±10% | 2/1oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.2mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L4 | |
| | | | | Core 0.2mm with 1/1 oz Cu |
| | | | L5 | |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L6 | Copper 50um(±5)um-plating to 70um |

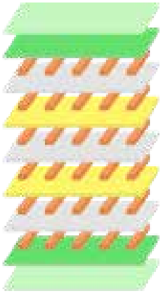
| Thickness | Copper thick (outer/inner) | StackUp | Layer No. | Laminated chart Thickness |
|---|---|---|---|---|
| 1.2mm±10% | 2/1.5oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.22 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.2mm with 1.5/1.5 oz Cu |
| | | | L3 | |
| | | | | PP 0.22 mm dielectric constant 4.29 |
| | | | L4 | |
| | | | | Core 0.2mm with 1.5/1.5 oz Cu |
| | | | L5 | |
| | | | | PP 0.22 mm dielectric constant 4.29 |
| | | | L6 | Copper 50um(±5)um-plating to 70um |

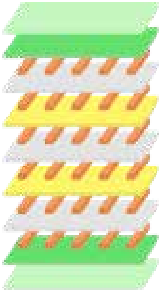
| Thickness | Copper thick (outer/inner) | StackUp | Layer No. | Laminated chart Thickness |
|---|---|---|---|---|
| 1.6mm±10% | 1/1oz |  | L1 | Copper 18 um--plating to 35um |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.6mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L4 | |
| | | | | Core 0.6mm with 1/1 oz Cu |
| | | | L5 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L6 | Copper 18 um--plating to 35um |

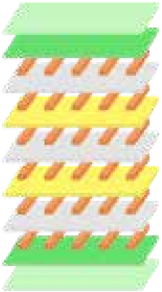
| Thickness | Copper thick (outer/inner) | StackUp | Layer No. | Laminated chart Thickness |
|---|---|---|---|---|
| 1.6mm±10% | 2/1oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.4mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L4 | |
| | | | | Core 0.4mm with 1/1 oz Cu |
| | | | L5 | |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L6 | Copper 50um(±5)um-plating to 70um |

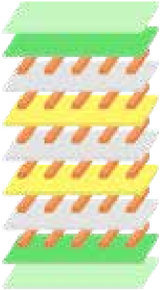
| Thickness | Copper thick (outer/inner) | StackUp | Layer No. | Laminated chart Thickness |
|---|---|---|---|---|
| 1.6mm±10% | 2/1.5oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.22 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.4mm with 1.5/1.5 oz Cu |
| | | | L3 | |
| | | | | PP 0.22 mm dielectric constant 4.29 |
| | | | L4 | |
| | | | | Core 0.4mm with 1.5/1.5 oz Cu |
| | | | L5 | |
| | | | | PP 0.22 mm dielectric constant 4.29 |
| | | | L6 | Copper 50um(±5)um-plating to 70um |

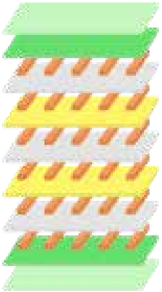
| Thickness | Copper thick (outer/inner) | StackUp | Layer No. | Laminated chart Thickness |
|---|---|---|---|---|
| 2.0mm±10% | 1/1oz |  | L1 | Copper 18 um--plating to 35um |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.8mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L4 | |
| | | | | Core 0.8mm with 1/1 oz Cu |
| | | | L5 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L6 | Copper 18 um--plating to 35um |

| Thickness | Copper thick (outer/inner) | StackUp | Layer No. | Laminated chart Thickness |
|---|---|---|---|---|
| 2.0mm±10% | 2/1oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.8mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L4 | |
| | | | | Core 0.8mm with 1/1 oz Cu |
| | | | L5 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L6 | Copper 50um(±5)um-plating to 70um |

| Thickness | Copper thick (outer/inner) | StackUp | Layer No. | Laminated chart Thickness |
|---|---|---|---|---|
| 2.0mm±10% | 2/1.5oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.22 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.6mm with 1.5/1.5 oz Cu |
| | | | L3 | |
| | | | | PP 0.22 mm dielectric constant 4.29 |
| | | | L4 | |
| | | | | Core 0.6mm with 1.5/1.5 oz Cu |
| | | | L5 | |
| | | | | PP 0.22 mm dielectric constant 4.29 |
| | | | L6 | Copper 50um(±5)um-plating to 70um |

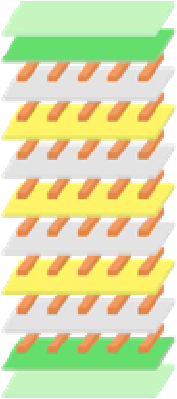
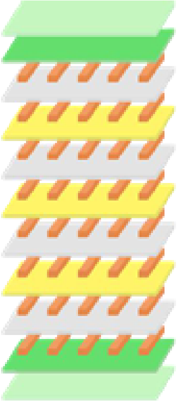
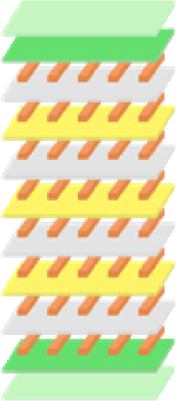
| Thickness | Copper thick (outer/inner) | StackUp | Layer No. | Laminated chart Thickness |
|---|---|---|---|---|
| 2.4mm±10% | 1/1oz |  | L1 | Copper 18 um--plating to 35um |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 1.0mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L4 | |
| | | | | Core 1.0mm with 1/1 oz Cu |
| | | | L5 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L6 | Copper 18 um--plating to 35um |

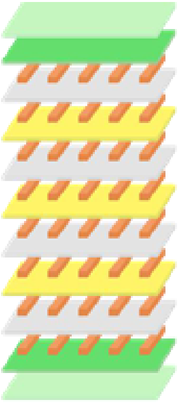
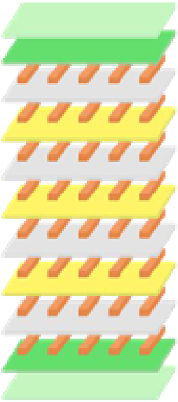
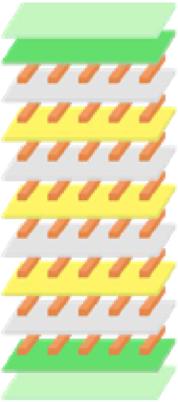
| Thickness | Copper thick (outer/inner) | StackUp | Layer No. | Laminated chart Thickness |
|---|---|---|---|---|
| 2.4mm±10% | 2/1oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 1.0mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L4 | |
| | | | | Core 1.0mm with 1/1 oz Cu |
| | | | L5 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L6 | Copper 50um(±5)um-plating to 70um |

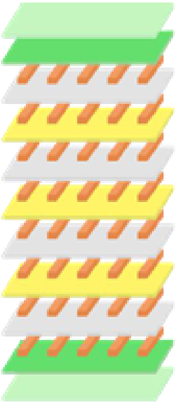
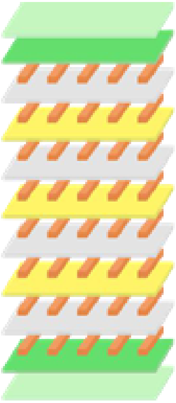
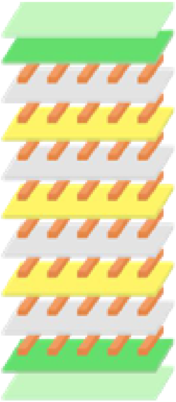
| Thickness | Copper thick (outer/inner) | StackUp | Layer No. | Laminated chart Thickness |
|---|---|---|---|---|
| 2.4mm±10% | 2/1.5oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.22 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.8mm with 1.5/1.5 oz Cu |
| | | | L3 | |
| | | | | PP 0.22 mm dielectric constant 4.29 |
| | | | L4 | |
| | | | | Core 0.8mm with 1.5/1.5 oz Cu |
| | | | L5 | |
| | | | | PP 0.22 mm dielectric constant 4.29 |
| | | | L6 | Copper 50um(±5)um-plating to 70um |

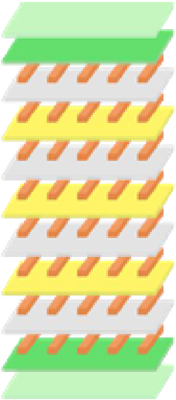
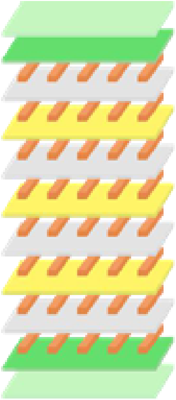
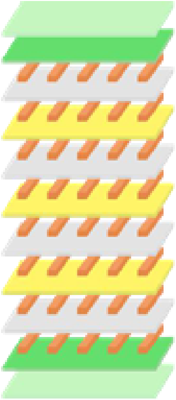
**Note:** The above is the standard stackup of WEEQOO's 6-layer PCB board,we may change the layer stackup according to latest material or technology.For more detailsThe custom stackup is available, feel free to contact us via service@weeqoo.com.

## 8-Layer PCB Board

| Thickness | Copper thick (outer/inner) | StackUp | Layer No. | Laminated chart Thickness |
|---|---|---|---|---|
| 1.0mm±0.1mm | 1/1oz |  | L1 | Copper 18 um--plating to 35um |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.2mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L4 | |
| | | | | Core 0.2mm with 1/1 oz Cu |
| | | | L5 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L6 | |
| | | | | Core 0.2mm with 1/1 oz Cu |
| | | | L7 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L8 | Copper 18 um--plating to 35um |
| Thickness | Copper thick (outer/inner) | StackUp | Layer No. | Laminated chart Thickness |
| 1.2mm±10% | 1/1oz |  | L1 | Copper 18 um--plating to 35um |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.2mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L4 | |
| | | | | Core 0.2mm with 1/1 oz Cu |
| | | | L5 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L6 | |
| | | | | Core 0.2mm with 1/1 oz Cu |
| | | | L7 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L8 | Copper 18 um--plating to 35um |
| 1.2mm±10% | 2/1oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.2mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L4 | |
| | | | | Core 0.2mm with 1/1 oz Cu |
| | | | L5 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L6 | |
| | | | | Core 0.2mm with 1/1 oz Cu |
| | | | L7 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L8 | Copper 50um(±5)um-plating to 70um |

| Thickness | Copper thick (outer/inner) | StackUp | Layer No. | Laminated chart Thickness |
|---|---|---|---|---|
| 1.6mm±10% | 1/1oz |  | L1 | Copper 18 um--plating to 35um |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.2mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L4 | |
| | | | | Core 0.2mm with 1/1 oz Cu |
| | | | L5 | |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L6 | |
| | | | | Core 0.2mm with 1/1 oz Cu |
| | | | L7 | |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L8 | Copper 18 um--plating to 35um |
| 1.6mm±10% | 2/1oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.2mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L4 | |
| | | | | Core 0.2mm with 1/1 oz Cu |
| | | | L5 | |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L6 | |
| | | | | Core 0.2mm with 1/1 oz Cu |
| | | | L7 | |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L8 | Copper 50um(±5)um-plating to 70um |
| 1.6mm±10% | 2/1.5oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.22 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.2mm with 1.5/1.5 oz Cu |
| | | | L3 | |
| | | | | PP 0.22 mm dielectric constant 4.29 |
| | | | L4 | |
| | | | | Core 0.2mm with 1.5/1.5 oz Cu |
| | | | L5 | |
| | | | | PP 0.22 mm dielectric constant 4.29 |
| | | | L6 | |
| | | | | Core 0.2mm with 1.5/1.5 oz Cu |
| | | | L7 | |
| | | | | PP 0.22 mm dielectric constant 4.29 |
| | | | L8 | Copper 50um(±5)um-plating to 70um |

| Thickness | Copper thick (outer/inner) | StackUp | Layer No. | Laminated chart Thickness |
|---|---|---|---|---|
| 2.0mm±10% | 1/1oz |  | L1 | Copper 18 um--plating to 35um |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.4mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L4 | |
| | | | | Core 0.4mm with 1/1 oz Cu |
| | | | L5 | |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L6 | |
| | | | | Core 0.4mm with 1/1 oz Cu |
| | | | L7 | |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L8 | Copper 18 um--plating to 35um |
| 2.0mm±10% | 2/1oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.4mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L4 | |
| | | | | Core 0.4mm with 1/1 oz Cu |
| | | | L5 | |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L6 | |
| | | | | Core 0.4mm with 1/1 oz Cu |
| | | | L7 | |
| | | | | PP 0.18 mm dielectric constant 4.29 |
| | | | L8 | Copper 50um(±5)um-plating to 70um |
| 2.0mm±10% | 2/1.5oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.19 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.4mm with 1.5/1.5 oz Cu |
| | | | L3 | |
| | | | | PP 0.19 mm dielectric constant 4.29 |
| | | | L4 | |
| | | | | Core 0.4mm with 1.5/1.5 oz Cu |
| | | | L5 | |
| | | | | PP 0.19 mm dielectric constant 4.29 |
| | | | L6 | |
| | | | | Core 0.4mm with 1.5/1.5 oz Cu |
| | | | L7 | |
| | | | | PP 0.19 mm dielectric constant 4.29 |
| | | | L8 | Copper 50um(±5)um-plating to 70um |

| Thickness | Copper thick (outer/inner) | StackUp | Layer No. | Laminated chart Thickness |
|---|---|---|---|---|
| 2.4mm±10% | 1/1oz |  | L1 | Copper 18 um--plating to 35um |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.6mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L4 | |
| | | | | Core 0.6mm with 1/1 oz Cu |
| | | | L5 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L6 | |
| | | | | Core 0.6mm with 1/1 oz Cu |
| | | | L7 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L8 | Copper 18 um--plating to 35um |
| 2.4mm±10% | 2/1oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.4mm with 1/1 oz Cu |
| | | | L3 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L4 | |
| | | | | Core 0.6mm with 1/1 oz Cu |
| | | | L5 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L6 | |
| | | | | Core 0.6mm with 1/1 oz Cu |
| | | | L7 | |
| | | | | PP 0.11 mm dielectric constant 4.29 |
| | | | L8 | Copper 50um(±5)um-plating to 70um |
| 2.4mm±10% | 2/1.5oz |  | L1 | Copper 50um(±5)um-plating to 70um |
| | | | | PP 0.29 mm dielectric constant 4.29 |
| | | | L2 | |
| | | | | Core 0.4mm with 1.5/1.5 oz Cu |
| | | | L3 | |
| | | | | PP 0.29 mm dielectric constant 4.29 |
| | | | L4 | |
| | | | | Core 0.4mm with 1.5/1.5 oz Cu |
| | | | L5 | |
| | | | | PP 0.29 mm dielectric constant 4.29 |
| | | | L6 | |
| | | | | Core 0.4mm with 1.5/1.5 oz Cu |
| | | | L7 | |
| | | | | PP 0.29 mm dielectric constant 4.29 |
| | | | L8 | Copper 50um(±5)um-plating to 70um |

**Note:** The above is the standard stackup of WEEQOO's 8-layer PCB board,we may change the layer stackup according to latest material or technology.For more detailsThe custom stackup is available, feel free to contact us via service@weeqoo.com.