


Sample PCB Co Ltd

Stackup and Impedance

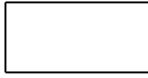
2 Layer

| Layer | Drill | Material | Thickness | Dk |
|------------|---|------------|-----------|-----------|
| Soldermask | | | | 3.8 |
| L1(TOP) |  | Cu | 0.035 | |
| | | Core 1150G | 1.47 | 4.5 |
| L2(BOT) | | Cu | 0.035 | |
| Soldermask | | | | 3.8 |
| | | | | |
| | Finished Thickness: | | 1.60 | +/-10 %mm |

Impedance Information

| Requirement | | | | | | | | | | |
|-------------|-------|--------------|-------|-------|--------------|----------|--|--|--|--|
| Type | Layer | Shield Layer | Width | Space | Ground Space | ohm | | | | |
| Signal | L1/L2 | L1/L2 | 40 | | 7 | 50+/-5 | | | | |
| Diff | L1/L2 | L1/L2 | 11 | 4.5 | 6 | 90+/-9 | | | | |
| Diff | L1/L2 | L1/L2 | 8 | 4.5 | 8 | 100+/-10 | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

[illegible]



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Stackup and Impedance

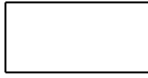
4 Layer

| Layer | Drill | | Material | Thickness | Dk |
|------------|-------|--|------------|-----------|-----|
| Soldermask | | | | | 3.8 |
| L1(TOP) | | | Cu | 0.035 | |
| | | | PP2116 | 0.1 | 4.5 |
| L2 | | | Cu | 0.035 | |
| | | | Core 1150G | 1.23 | 4.5 |
| L3 | | | Cu | 0.035 | |
| | | | PP2116 | 0.1 | 4.5 |
| L4(BOT) | | | Cu | 0.035 | |
| Soldermask | | | | | 3.8 |

| | |
|--|-------------------------------------|
| | |
| | Finished Thkickness: 1.60 +/-10 %mm |

Impedance Information

| Requirement | | | | | | | | | | |
|-------------|-------|--------------|-------|-------|--------------|----------|--|--|--|--|
| Type | Layer | Shield Layer | Width | Space | Ground Space | ohm | | | | |
| Signal | L1/L4 | L2/L3 | 6.2 | | | 50+/-5 | | | | |
| Diff | L1/L4 | L2/L3 | 5.8 | 6 | | 90+/-9 | | | | |
| Diff | L1/L4 | L2/L3 | 5 | 8 | | 100+/-10 | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |



Sample PCB Co Ltd

Stackup and Impedance

6Layer

| | | | | | | | | | |
|-----------------------|---------------------|--------------|----------|--------------|-----------|-----------|--|--|--|
| Layer | Drill | | Material | | Thickness | Dk | | | |
| Soldermask | | | | | | 3.8 | | | |
| L1(TOP) | | | | Cu | 0.035 | | | | |
| | | | | PP2116 | 0.1 | 4.5 | | | |
| L2 | | | | Cu | 0.035 | | | | |
| | | | | Core | 0.53 | 4.5 | | | |
| L3 | | | | Cu | 0.035 | | | | |
| | | | | PP2116 | 0.1 | 4.5 | | | |
| L4 | | | | Cu | 0.035 | | | | |
| | | | | Core | 0.53 | 4.5 | | | |
| L5 | | | | Cu | 0.035 | | | | |
| | | | | PP2116 | 0.1 | 4.5 | | | |
| L6(BOT) | | | | | Cu | 0.035 | | | |
| Soldermask | | | | | | 3.8 | | | |
| | | | | | | | | | |
| | Finished Thickness: | | | | 1.60 | +/-10 %mm | | | |
| | | | | | | | | | |
| Impedance Imformation | | | | | | | | | |
| Requirement | | | | | | | | | |
| Type | Layer | Shield Layer | Width | Ground Space | ohm | | | | |
| Signal | L1/L6 | L2/L5 | 6 | 8 | 50+/-5 | | | | |
| Diff | L3/L4 | L2/L5 | 5.3 | 8 | 100+/-10 | | | | |



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Stackup and Impedance

8Layer

| Layer | Drill | | | Material | Thickness | Dk | |
|-----------------------|---------------------|-------|-----|-----------|-----------|------|-----------|
| Soldermask | | | | | | 3.8 | |
| L1(TOP) | | | | Cu | 0.035 | | |
| | | | | PP 2116 | 0.1 | 3.8 | |
| L2 | | | | Cu | 0.035 | | |
| | | | | Core | 0.23 | 3.8 | |
| L3 | | | | Cu | 0.035 | | |
| | | | | PP 2116*2 | 0.2 | 3.8 | |
| L4 | | | | Cu | 0.035 | | |
| | | | | Core | 0.23 | 4.5 | |
| L5 | | | | Cu | 0.035 | | |
| | | | | PP 2116*2 | 0.2 | 3.8 | |
| L6 | | | | Cu | 0.035 | | |
| | | | | Core | 0.23 | 3.8 | |
| L7 | | | | Cu | 0.035 | | |
| | | | | PP 2116 | 0.1 | 3.8 | |
| L6(BOT) | | | | Cu | 0.035 | | |
| Soldermask | | | | | | 3.8 | |
| | | | | | | | |
| | Finished Thickness: | | | | | 1.60 | +/-0.16mm |
| Impedance Information | | | | | | | |
| Signal | L6 | L5 L7 | 5.5 | | 50+/-5 | | |
| Signal | L8 | L7 | 6 | | 50+/-5 | | |
| Diff | L1 | L2 | 6.5 | | 90+/-9 | | |
| Diff | L3 | L2 L4 | 5.3 | | 90+/-9 | | |
| Diff | L6 | L5 L7 | 5.3 | | 90+/-9 | | |
| Diff | L8 | L7 | 6.5 | | 90+/-9 | | |
| Diff | L1 | L2 | 5.2 | | 100+/-10 | | |
| Diff | L3 | L2 L4 | 4.3 | | 100+/-10 | | |
| Diff | L6 | L5 L7 | 4.3 | | 100+/-10 | | |
| Diff | L8 | L7 | 5.2 | | 100+/-10 | | |
| | | | | | | | |
| | | | | | | | |

