



## Capabilities 4 Layer PCBs

| Construction Details  | Minimum                       | Maximum          | Tolerance (+/-) |
|---|-------------------------------|------------------|-----------------|
| Finished Copper Weight (external)                                       | 1.0 oz (0.0014")              | 2.0 oz (0.0028") | n/a             |
| Finished Copper Weight (Internal)                                       | 1.0 oz (0.014")               | n/a              | 0.0004"         |
| Finished PCB Thickness (over copper)                                    | 0.056"                        | 0.068"           | 0.062" +/- 10%  |
| Layer to Layer Registration   | n/a                           | n/a              | 0.005"          |
| FR-4 Material (Tg rating)   | 150                           | 170              | n/a             |
| <b>Drill Details</b>  |                               |                  |                 |
| Drill Details   | Minimum                       | Maximum          | Tolerance (+/-) |
| Finished hole size (holes <0.018" may be plugged)                       | 0.008"                        | 0.250"           | 0.005"          |
| Drilled hole size (drill bit diameter)                                  | 0.0135"                       | 0.257"           |                 |
| True Positional Accuracy  | n/a                           | n/a              | 0.005" (radial) |
| <b>Copper Image (External layers)</b>                                   |                               |                  |                 |
| Copper Image (External layers)  | Minimum                       | Maximum          | Tolerance (+/-) |
| Pad diameter<br>(0.018" over finished hole size)                        | 0.026" (0.008" finished hole) | no maximum       | n/a             |
| Minimum copper backset to outline                                       | 0.020"                        | no maximum       | n/a             |
| Minimum Trace Width / Space   | 0.006"                        | no maximum       | 20%             |
| <b>Copper Image (Internal Layers)</b>                                   |                               |                  |                 |
| Copper Image (Internal Layers)  | Minimum                       | Maximum          | Tolerance (+/-) |
| Pad diameter<br>(0.018" over finished hole size)                        | 0.026" (0.008" finished hole) | no maximum       | n/a             |
| Clearances for drilled holes<br>(0.020" larger than finished hole size) | 0.028"                        | no maximum       | n/a             |
| Minimum copper backset to outline                                       | 0.020"                        | no maximum       | n/a             |
| Minimum Trace Width / Space   | 0.006"                        | no maximum       | 20%             |
| <b>Soldermask Details</b>   |                               |                  |                 |
| Soldermask Details  | Minimum                       | Maximum          | Tolerance (+/-) |
| Registration Variation  | n/a                           | n/a              | 0.005"          |
| Minimum web   | 0.005"                        | no maximum       | n/a             |
| <b>Silkscreen Details</b>   |                               |                  |                 |
| Silkscreen Details  | Minimum                       | Maximum          | Tolerance (+/-) |
| # of sides  | 0                             | 2                |                 |
| Character Height  | 0.050"                        | no maximum       | n/a             |
| Character Width   | 0.030"                        | no maximum       | n/a             |
| Character line thickness  | 0.006"                        | no maximum       | n/a             |
| Character spacing   | 0.005"                        | no maximum       | n/a             |
| Character placement   | n/a                           | n/a              | 0.010"          |

# EasyPCB

| Board Dimensions           | Minimum               | Maximum               | Tolerance (+/-)           |
|----------------------------|-----------------------|-----------------------|---------------------------|
| Board Size                 | 0.25"                 | 8.00"                 | 0.010 (CAD defined layer) |
| Board Area (square inches) | 0.0625in <sup>2</sup> | 30.00 in <sup>2</sup> | n/a                       |
| Notches on board edge      | 0.100"                | no maximum            | 0.010"                    |
| Radius                     | 0.047"                | no maximum            | 0.010"                    |