

Board Information

| Specification | Value |
|---------------------------|-------------------------|
| Surface Finish | ENIG |
| Layer Count | 6 |
| Tented Vias | Yes |
| Color | Blue |
| Material | FR-4 TG155 |
| Solder Material | Sn62 or Sn63 (Tin/Lead) |
| Fabrication Specification | IPC-6012 CLS2 |
| Assembly Specification | IPC-610 CLS2 |
| Board Edge Finish | Routed |

Transmission Line Structure Table

| Target Impedance | Trace layer | Reference layers | Wide Trace Width | Gap | Clearance | Target Tolerance |
|------------------|----------------|------------------|------------------|--------|-----------|------------------|
| 90 | L1-TOP-SGN-GND | L2-GND | 0.16mm | 0.20mm | 0.13mm | 10% |
| 90 | L6-BOT-SGN-GND | L5-PWR | 0.16mm | 0.20mm | 0.13mm | 10% |

Layer Stack Legend

| Material | Layer | Thickness | Dielectric Material | Type | Gerber |
|-------------------------|------------------|-----------|---------------------|-------------|--------|
| | Top Overlay | | | Legend | GTO |
| | Surface Material | | | | |
| 1 Oz Finished | Top Solder | 0.02mm | Solder Resist | Solder Mask | GTS |
| Prepreg | L1-TOP-SGN-GND | 0.04mm | | Signal | GTL |
| 0.5 Oz Layer | | 0.10mm | Prepreg 3313x1 | Dielectric | |
| Core | L2-GND | 0.02mm | | Signal | G1 |
| 0.5 Oz Layer | | 0.55mm | Core | Dielectric | |
| Prepreg | L3-SGN-GND | 0.02mm | | Signal | G2 |
| 0.5 Oz Layer | | 0.11mm | Prepreg 2116x1 | Dielectric | |
| Core | L4-SGN-GND | 0.02mm | | Signal | G3 |
| 0.5 Oz Layer | | 0.55mm | Core | Dielectric | |
| Prepreg | L5-PWR | 0.02mm | | Signal | G4 |
| 1 Oz Finished | L6-BOT-SGN-GND | 0.04mm | | Signal | GBL |
| Surface Material | | 0.10mm | Prepreg 3313x1 | Dielectric | |
| Bottom Solder | | 0.02mm | | Solder Mask | GBS |
| Bottom Overlay | | | | Legend | GBO |
| Total thickness: 1.58mm | | | | | |

