

层压叠构要求(Stack Up Requirement)

客户代码(Cust.Code): 999













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审核(Approval Pending):

客户编号(Cust.P/N): 95131






QAE(QAE):

| Lyr | Image | Mat.Type | Foil | Cu% | Cu Type | DK[MAT] | DF[MAT] | Mat.Info | Cal.Thk | Avg.Cu Thk | Min.Cu Thk |
|-----|---|----------|-------|-----|---------|---------|---------|-----------------------|----------|------------|------------|
| TO |  | | | | | | | | | | |
| TS |  | | | | | | | | | | |
| TL |  | Foil | 0.5oz | 59 | HTE | | | | | 2.1mil | 1.3mil |
| |  | Prepreg | | | | | | IT-180ABS 2116 RC58% | | | |
| |  | Prepreg | | | | | | IT-180ABS 1080 RC68% | 8.27mil | | |
| L2 |  | Core | 10z | 74 | HTE | | | IT-180A 7628*4+1080*1 | 32.68mil | 1.2mil | 1.0mil |
| L3 |  | | 10z | 69 | HTE | | | | | 1.2mil | 1.0mil |
| |  | Prepreg | | | | | | IT-180ABS 1080 RC68% | | | |
| |  | Prepreg | | | | | | IT-180ABS 2116 RC58% | 8.21mil | | |
| BL |  | Foil | 0.5oz | 65 | HTE | | | | | 2.1mil | 1.3mil |
| BS |  | | | | | | | | | | |
| BO |  | | | | | | | | | | |

| Customer Requirements | | | Unit: mil | Calculation Result | | Unit: mil |
|-------------------------|----------|-----------------|-----------|-------------------------|----------|-----------|
| Measuring Range | Req. THK | Tolerance | | Measuring Range | Cal. THK | |
| Incl. Plating Cu & Mask | 57.19 | (+ 5.72/- 5.72) | | After Laminate | 52.89 | |
| | | | | Incl. Plating Cu | 55.69 | |
| | | | | Incl. Plating Cu & Mask | 58.05 | |

备注 (Note): The tolerance will follow IPC-4101C Table 3-7 B/L for above dielectric thickness

阻抗控制要求 (Impedance Requirement)

| 阻抗控制要求 (Impedance Requirement) | | | | | | | | | | | | | | | Unit: mil | |
|--------------------------------|-------------|-------------|------------------|-----------|------------|---|----------------------|------------------|------------------|------------------|---------------------------|------------------|------------------|---------------|---------------------|--------------|
| Index 次序 | Index 层别 | Group 组别 | Ref Layer 参考层 | | | Customer Design 客户设计 | | | | | Calculated Result 计算后值 | | | | | |
| | | | Up 上 | Down 下 | Self 当前 | Imp. Mode 阻抗模型 | Target Imp. 成品阻抗Ω | Tolerance 公差Ω | Line Width 线宽 | Line Space 线距 | L 2 Cu 线2铜 | Line Width 线宽 | Line Space 线距 | L 2 Cu 线2铜 | Calculated 计算阻抗Ω | Remark 备注 |
| 1 | L01 | A | | L02 | |  se_coated_microstrip | 65.6 | ±6.6 | 8.80 | — | — | 7.70 | — | — | 65.30 | |
| 2 | L01 | D | | L02 | |  diff_coated_microstrip | 90.0 | ±9.0 | 8.50 | 4.30 | — | 7.65 | 5.15 | — | 89.93 | |
| 3 | L01 | C | | L02 | L1 |  coplanar_se_coated_microstrip | 50.0 | ±5.0 | 12.90 | — | 7.50 | 11.61 | — | 8.15 | 49.70 | |
| 4 | L04 | B | | L03 | |  se_coated_microstrip | 65.6 | ±6.6 | 8.80 | — | — | 7.54 | — | — | 65.60 | |
| 5 | L04 | E | | L03 | |  diff_coated_microstrip | 90.0 | ±9.0 | 8.50 | 4.30 | — | 7.65 | 5.15 | — | 89.80 | |

备注 (Note): L 2 Cu=line to Cu of Ground which is applied for the coplanar strips.