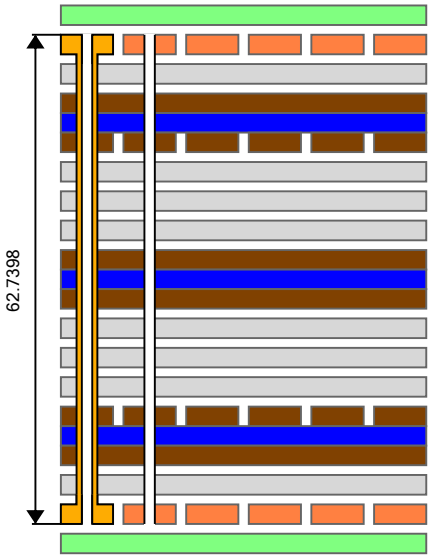


| Layer | Stack up | Description | Base Thickness | Finish Thickness | Isolation Distance | Copper Coverage |
|---|---|---|---|---|---|---|
| | | Taiyo PSR 2000 | | | | |
| 1 | | Copper Foil 18 microns | 0.689 | 1.968 | | 100.000 |
| | | EM827B Prepreg 2113 | 4.850 | 3.850 | 3.384 | |
| 2 | | | 1.260 | 1.260 | | 63.000 |
| | | EM827 4 mil core 1/1 | 4.000 | 4.000 | 4.000 | |
| 3 | | | 1.260 | 1.260 | | 18.000 |
| | | EM827B Prepreg 1080 | 4.050 | 3.050 | 2.792 | |
| | | EM827B Prepreg 7628--LR | 8.350 | 7.350 | 6.729 | |
| | | EM827B Prepreg 7628--LR | 8.350 | 7.350 | 6.729 | |
| 4 | | | 1.260 | 1.260 | | 63.000 |
| | | EM827 4 mil core 1/1 | 4.000 | 4.000 | 4.000 | |
| 5 | | | 1.260 | 1.260 | | 59.000 |
| | | EM827B Prepreg 7628--LR | 8.350 | 7.350 | 6.714 | |
| | | EM827B Prepreg 7628--LR | 8.350 | 7.350 | 6.714 | |
| | | EM827B Prepreg 1080 | 4.050 | 3.050 | 2.786 | |
| 6 | | | 1.260 | 1.260 | | 19.000 |
| | | EM827 4 mil core 1/1 | 4.000 | 4.000 | 4.000 | |
| 7 | | | 1.260 | 1.260 | | 64.000 |
| | | EM827B Prepreg 2113 | 4.850 | 3.850 | 3.396 | |
| 8 | | Copper Foil 18 microns | 0.689 | 1.968 | | 100.000 |
| | | Taiyo PSR 2000 | | | | |

Copper Thickness = 11.496 | Dielectric Thickness = 51.244 | Overall Processed Thickness = 62.740

| Impedance ID | Structure Name | Impedance Signal Layer | Ref. Plane 1 in Layer | Ref. Plane 2 in Layer | Lower Trace Width | Upper Trace Width | Trace Separation | Lower Ground Strip Width | Upper Ground Strip Width | Ground Strip Separation | Broadside 2nd Layer | Trace Offset | Calculated Impedance | Target Impedance | Tol (+/- %) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Coated Microstrip 1B | 1 | 2 | 0 | 5.031 | 4.031 | 0.000 | 0.000 | 0.000 | 0.000 | 0 | 0.000 | 50.000 | 50.000 | 10.000 |
| 2 | Coated Microstrip 1B | 1 | 2 | 0 | 7.966 | 6.966 | 0.000 | 0.000 | 0.000 | 0.000 | 0 | 0.000 | 40.000 | 40.000 | 10.000 |
| 3 | Edge Coupled Coated Microstrip 1B | 1 | 2 | 0 | 3.928 | 2.928 | 8.172 | 0.000 | 0.000 | 0.000 | 0 | 0.000 | 99.990 | 100.000 | 10.000 |
| 4 | Edge Coupled Coated Microstrip 1B | 1 | 2 | 0 | 5.988 | 4.988 | 6.012 | 0.000 | 0.000 | 0.000 | 0 | 0.000 | 79.990 | 80.000 | 10.000 |
| 5 | Offset Stripline 1B2A | 3 | 2 | 4 | 4.954 | 3.954 | 0.000 | 0.000 | 0.000 | 0.000 | 0 | 0.000 | 50.000 | 50.000 | 10.000 |
| 6 | Offset Stripline 1B2A | 3 | 2 | 4 | 7.781 | 6.781 | 0.000 | 0.000 | 0.000 | 0.000 | 0 | 0.000 | 40.000 | 40.000 | 10.000 |
| 7 | Edge Coupled Offset Stripline 1B2A | 3 | 2 | 4 | 3.984 | 2.984 | 8.016 | 0.000 | 0.000 | 0.000 | 0 | 0.000 | 100.000 | 100.000 | 10.000 |
| 8 | Edge Coupled Offset Stripline 1B2A | 3 | 2 | 4 | 6.038 | 5.038 | 5.962 | 0.000 | 0.000 | 0.000 | 0 | 0.000 | 80.000 | 80.000 | 10.000 |

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|---|---|---|---|---|---|---|
| Date: 22/07/11 | Associated Documents: cam no f22072k11-20552 | | | | | |
| Author: | | | | | | |
| Department: | | | | | | |
| Site: | | | | | | |

| Impedance ID | Structure Name | Impedance Signal Layer | Ref. Plane 1 in Layer | Ref. Plane 2 in Layer | Lower Trace Width | Upper Trace Width | Trace Separation | Lower Ground Strip Width | Upper Ground Strip Width | Ground Strip Separation | Broadside 2nd Layer | Trace Offset | Calculated Impedance | Target Impedance | Tol (+/- %) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | Offset Stripline 1B2A | 6 | 5 | 7 | 4.954 | 3.954 | 0.000 | 0.000 | 0.000 | 0.000 | 0 | 0.000 | 49.990 | 50.000 | 10.000 | |
| 10 | Offset Stripline 1B2A | 6 | 5 | 7 | 7.781 | 6.781 | 0.000 | 0.000 | 0.000 | 0.000 | 0 | 0.000 | 40.000 | 40.000 | 10.000 | |
| 11 | Edge Coupled Offset Stripline 1B2A | 6 | 5 | 7 | 3.984 | 2.984 | 8.016 | 0.000 | 0.000 | 0.000 | 0 | 0.000 | 100.000 | 100.000 | 10.000 | |
| 12 | Edge Coupled Offset Stripline 1B2A | 6 | 5 | 7 | 6.038 | 5.038 | 5.962 | 0.000 | 0.000 | 0.000 | 0 | 0.000 | 80.000 | 80.000 | 10.000 | |
| 13 | Coated Microstrip 1B | 8 | 7 | 0 | 5.053 | 4.053 | 0.000 | 0.000 | 0.000 | 0.000 | 0 | 0.000 | 50.000 | 50.000 | 10.000 | |
| 14 | Coated Microstrip 1B | 8 | 7 | 0 | 7.998 | 6.998 | 0.000 | 0.000 | 0.000 | 0.000 | 0 | 0.000 | 40.010 | 40.000 | 10.000 | |
| 15 | Edge Coupled Coated Microstrip 1B | 8 | 7 | 0 | 3.940 | 2.940 | 8.160 | 0.000 | 0.000 | 0.000 | 0 | 0.000 | 100.000 | 100.000 | 10.000 | |
| 16 | Edge Coupled Coated Microstrip 1B | 8 | 7 | 0 | 6.002 | 5.002 | 5.998 | 0.000 | 0.000 | 0.000 | 0 | 0.000 | 80.000 | 80.000 | 10.000 | |

Notes

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| Author: | | | | | | | |
| Department: | | | | | | | |
| Site: | | | | | | | |