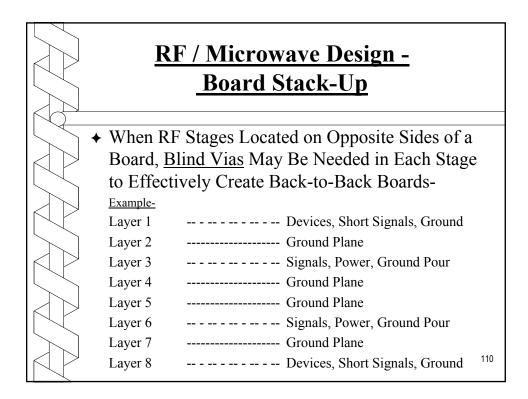
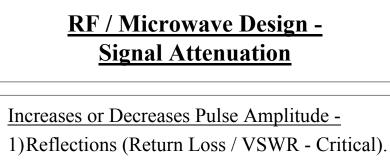


| | <u>RF / Microwave Design -</u> <u>Board Stack-Up</u> | | | | |
|---------------------------|---|--|--------------------------------|-----|--|
| | Typical High Layer Count Board- | | | | |
| | Layer 1 | | Devices, Short Signals, Ground | | |
| | Layer 2 | | Ground Plane | | |
| | Layer 3 | | Signals, Ground Pour | | |
| | Layer 4 | | Ground Plane | | |
| | Layer 5 | | Signals, Ground Pour | | |
| | Layer 6 | | Ground Plane | | |
| | Layer 7 | | Power Plane or Power Routes | | |
| | Layer 8 | | Ground Plane | | |
| $ \triangleleft \rangle$ | Layer 9 | | Signals, Ground Pour | | |
| | Layer 10 | | Ground Plane | | |
| | Layer 11 | | Signals, Ground Pour | 400 | |
| | Layer 12 | | Ground Plane | 109 | |





- 2) Signal Cross Talk (Critical in RF).
- 3)Reference Voltage Accuracy (Critical in RF).
- 4) Power Bus Noise (Minimal- Filtered).
- 5) Ground/Vcc Bounce (Minimal in RF).
- 6) Skin Effect (Resistive Loss in Conductor).
- 7) Loss Tangent (Property of PCB Dielectric).

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