

Reference Cases



EVM / Characterization boards



Theme

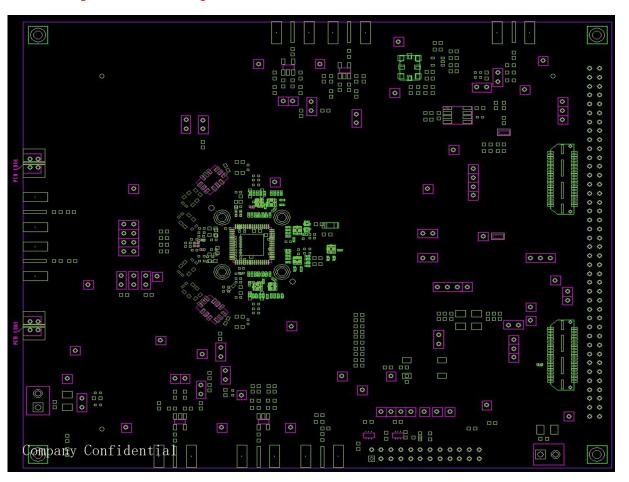
- •This section will show samples from our Evaluation Module designs and Characterization board designs.
- •Tested placement and routing strategies to support effective characterization.
- •Also this document will show the level of complexity which we are used to in EVM/Characterization boards.



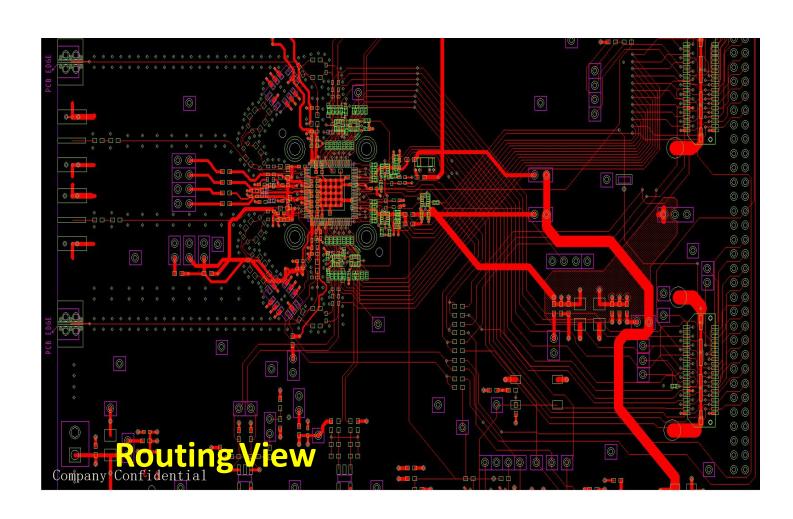
- Net count : 289
- Layers: 8 in Stripline configuration
 - 2 inner signal layers
 - 1 Power layer
- Component count : 421
- Highlights:
 - Noise isolated design
 - Connectors used (QSE, RF Edge and Headers)
- Scope: Placement to completed brd
- Timeline: 6 days (includes: Placement to Completed brd excludes: Customer review days)



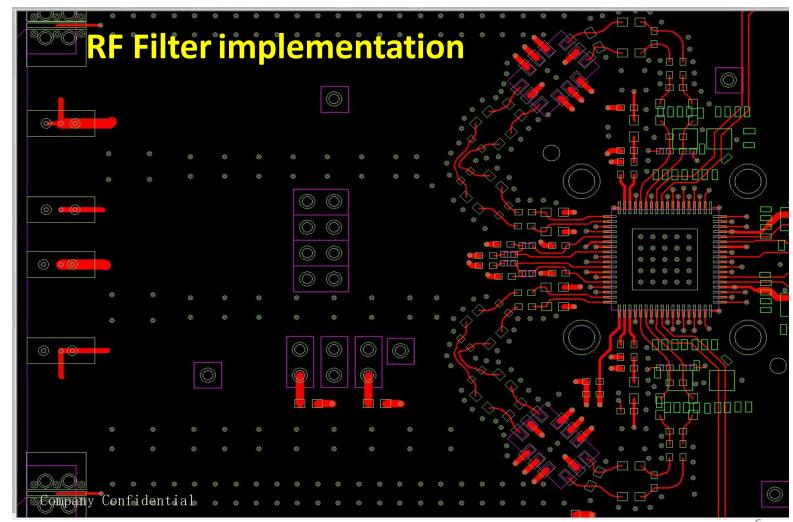
Component placement view







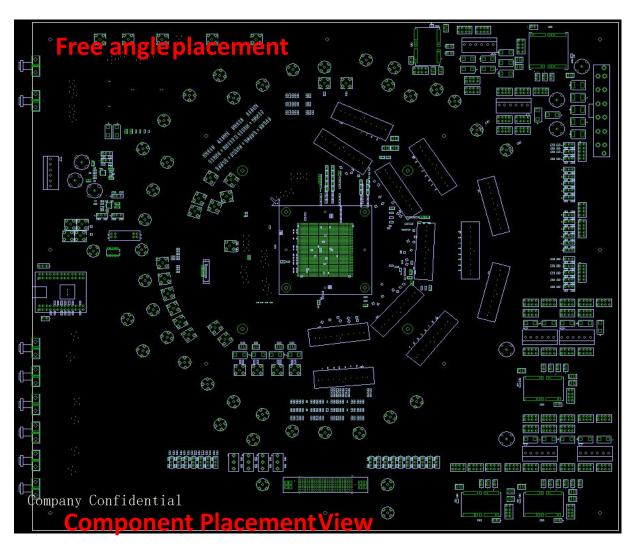






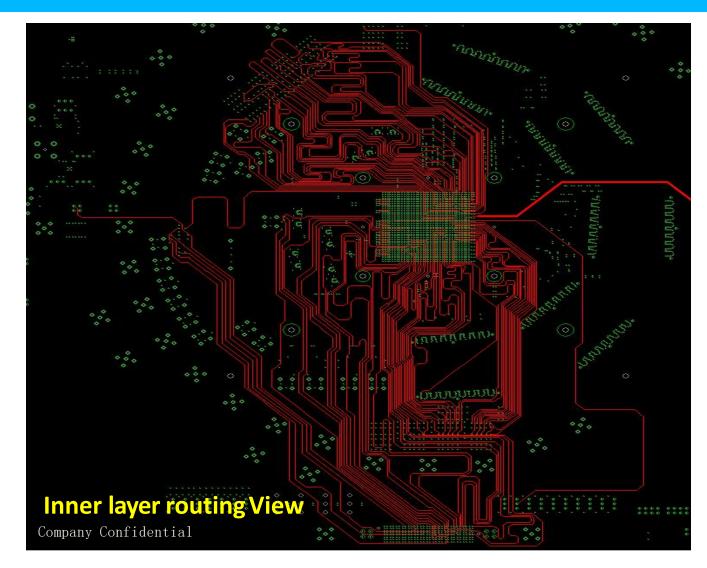
- Net/Connection count: 808/3340
- Layers: 24 in Stripline configuration
 - 5 inner signal layers
 - 6 Power layers
- Component count : 1008
- Highlights:
 - High speed design (free hand routing with exact tunning)
 - Connectors used (MXP, MCP, SMA and Headers)
- Scope : Placement to completed brd
- Timeline: 14 days (includes: Placement to Completed brd excludes: Customer review days)



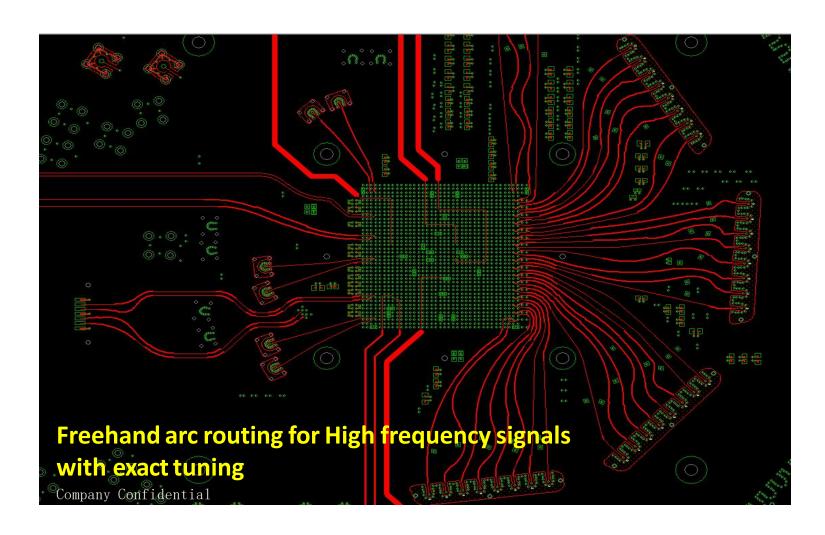




Sample card-2



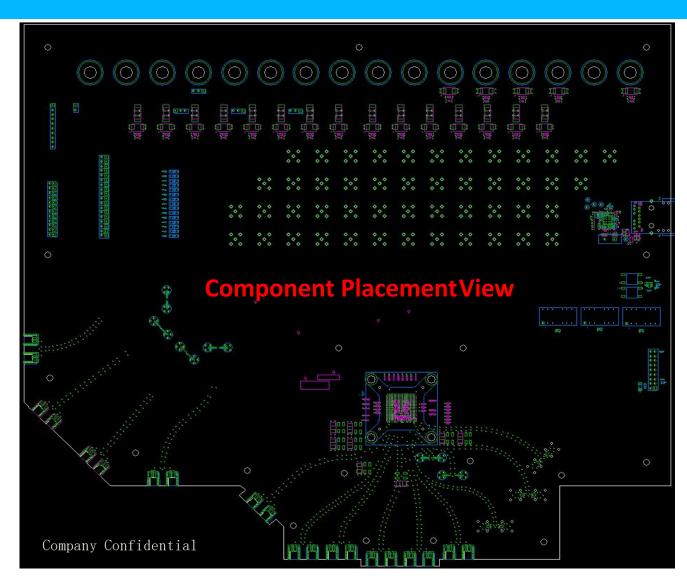




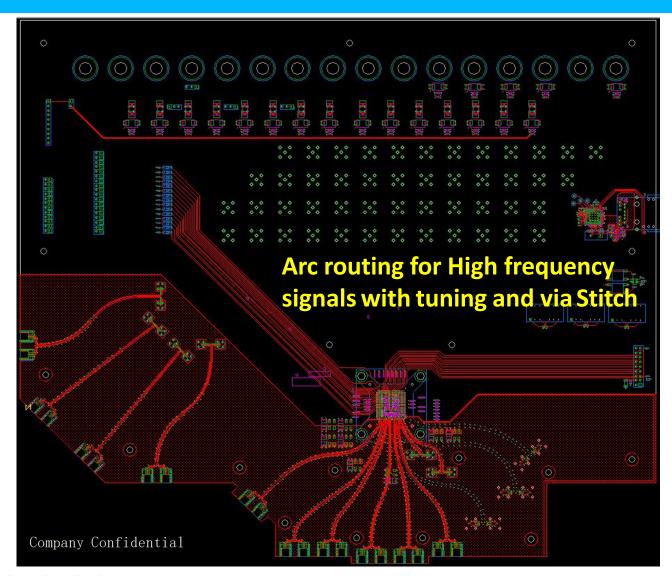


- Net/Connection count: 287/1305
- Layers: 16 in Stripline configuration
 - 3 inner signal layers
 - 3 Power layers
 - 4 different GND systems
- Component count: 437
- Highlights:
 - High speed design (arc routing with exacttuning)
 - Connectors used (SMA, BNC and Headers)
- Scope: Placement to completed brd
- Timeline: 5 days (includes: Placement to Completed brd excludes: Customer review days)







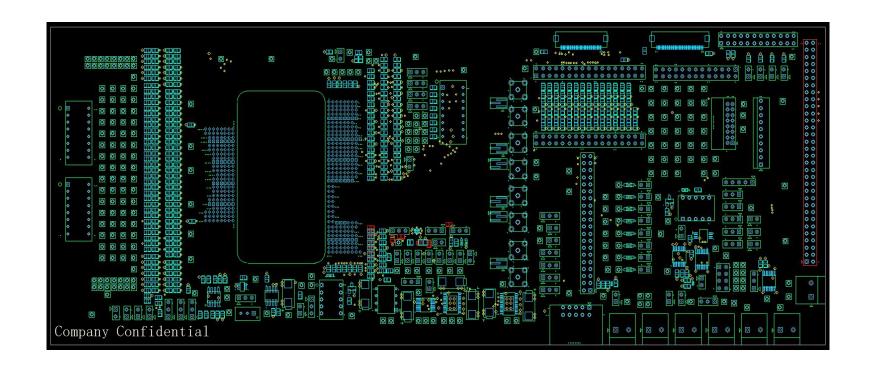




- Net/Connection count: 688/1669
- Layers: 12 in Stripline configuration
 - 4 inner signal layers
 - 2 Power layers
- Component count: 862
- Highlights:
 - Card compatible to characterize DIE as well as PACKAGE
 - Connectors used (ZIF, SMA and Headers)
- Scope: Schematic to Gerbers
- Timeline: 9 days (includes: Schematic capture to Gerber validation excludes: Customer review days)

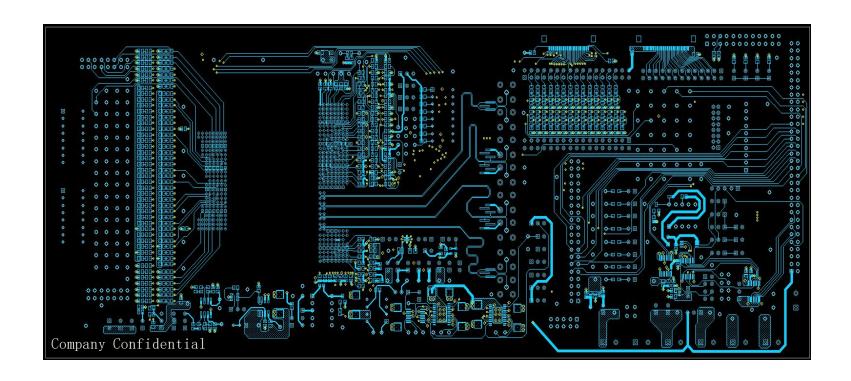


Component PlacementView





External Layer routing View





Internal Layer routing View

