

Review of Layout

Project:	
PCB revision:	
Schematic revision:	
Date of review:	
Participants:	
Review Report send to customer:	

Review instruction

1. Before the review, both the PCB change log and Schematic change log is updated and the changes are done.
2. The actions listed in the table are done during the review.
3. The necessary changes are listed.
4. The conclusion of the review states, whether it is necessary with a new review or not.

List of actions from PCB#

No	Description of action	Initials	Comments DWD	Comments Customer

General Check-list

N o	Description of action	Initials First layout	Initials Following layout	Comments
	Check list for RF part.			
1	Grounding checked, gnd connection of layers where RF signals go from 1-8 or 8-1!!!			
2	Critical signals checked, RF signal lines, no coupling to via's in other layers!!			
3	Critical signals checked, coupling from RF signals to IF signals			
4	BB control signals in the RF domain			
5	Critical signals checked, PLL components, no loop-filter near high currents			
6	Critical signals checked, RX input signals			
7	Critical signals checked, PLL supplies			
8	Critical signals checked, I/Q signals			
9	Critical signals checked, output and input on filters, PA & switch are separated			
10	Critical signals checked, cutout around RF-lines + cutout in layers			
11	Critical signals checked, All RF lines are simulated in ADS			
12	Critical signals checked, control signals & supply for RF not coupling to 13 MHz			
13	Antenna radiating into the BB checked			
14	BB radiating into the antenna checked			
15	Footprint versus datasheet checked			
16	Markings for component placement			
17	Fiducial marks			
18	Cutout under special RF components (ie. RF-connector)			
19	Decoupling caps before Vcc enters the IC's			
20	No AFC PNM signal line cross-talk to VCXO input			

	Check list for BB part.			
1	Antenna radiating into the BB checked			
2	BB radiating into the antenna checked			
3	Footprint versus datasheet checked			
4	Transducer ESD protection checked			
5	Speaker placement (magnetic radiation)			
6	Critical signals checked, microphone			
7	Critical signals checked, speaker			
8	Critical signals checked, audio signals in connector			
9	Critical signals checked, PLL and RF supplies			
10	Critical signals checked, I/Q signals			
11	Critical signals checked, control signals & supply for RF not coupling to 13 MHz			
12	Grounding checked, incl. Connection between the different layers			
13	GND under keyboard pads			
14	BB control signals in the RF domain			
15	Check layout of new features, and changes from previous PCB.			
16	Check pin out if new components from previous PCB.			
17	Placement of PWB labels			
18	Markings for BGA mounting on top layer			
19	Fiducial marks			
17				
18				

List of actions

No	Description of action	Initials	Comments DWD	Comments Customer

Conclusion

History

Date	Initials	Change