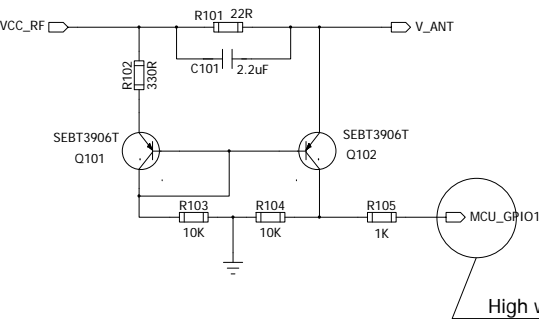
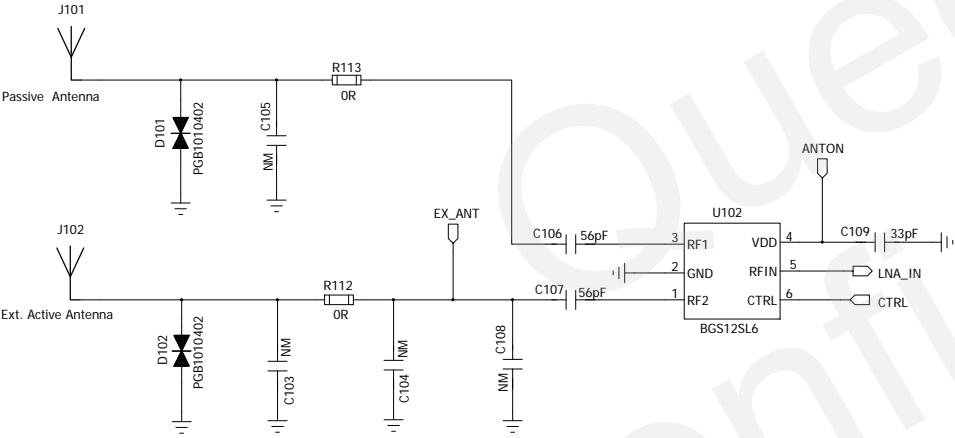
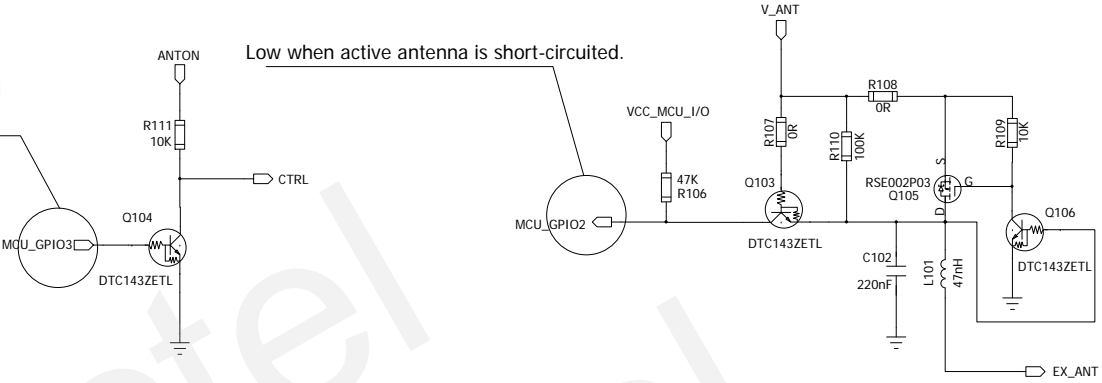


Antenna Switch by External MCU



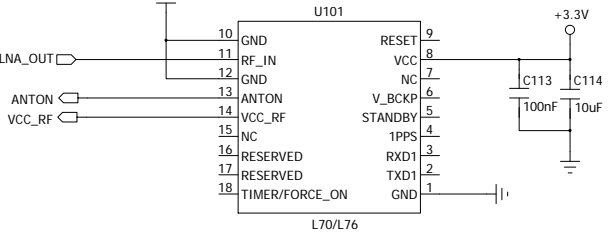
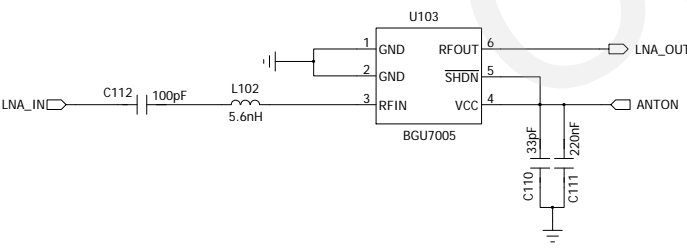
Antenna switching is controlled by MCU_GPIO3.

High when active antenna is open.



Active Antenna Status	MCU_GPIO1	MCU_GPIO2	CTRL = /MCU_GPIO3	The Selected Antenna
Open	H	H	L	Passive
Short	H	L	L	Passive
Normal	L	H	H	Active

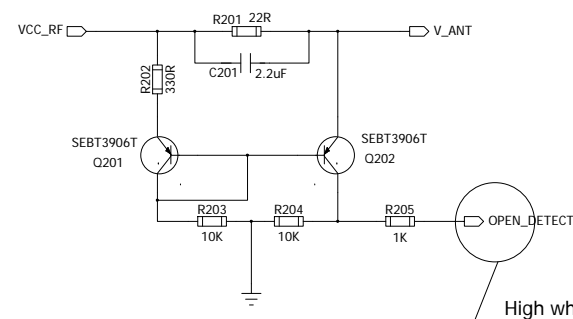
1. BGS12SL6 is a RF SPDT WLAN switch from Infineon.
2. MCU_GPIO1 & MCU_GPIO2 can be used as the input signals for external MCU to detect the status of the active antenna.
3. When MCU detects active antenna is open or short-circuited, the passive antenna can be selected by controlling the signal MCU_GPIO3.
4. For different active antennas, the values of R202 & R205 may need to be modified.
5. For the other part of reference design, please refer to the document L70 & L76_Reference_Design.



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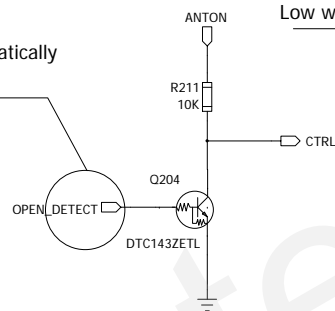
DRAWN BY <King HAO>	PROJECT <L70/L76>	TITLE
CHECKED BY <Ray XU/Tony GAO>	SIZE A2	VER 1.01
SHEET 1 of 2		<2013.12>

Automatic Antenna Switch

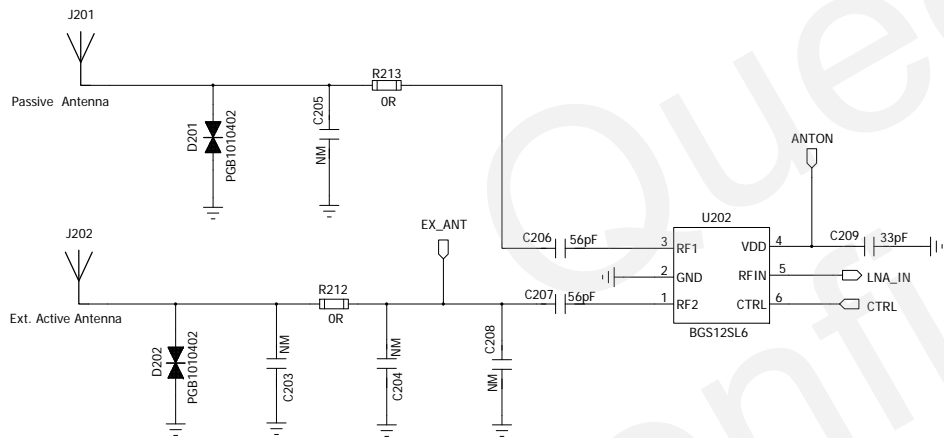
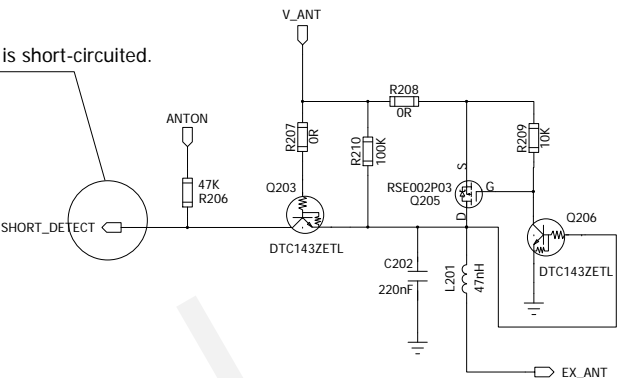


Antenna is switched automatically by OPEN_DETECT.

High when active antenna is open.

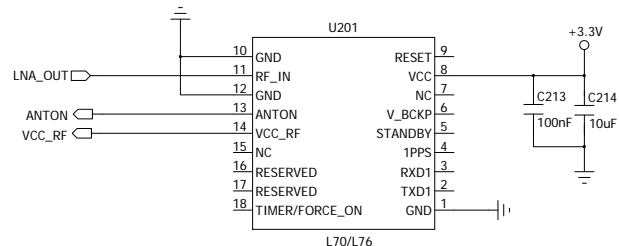
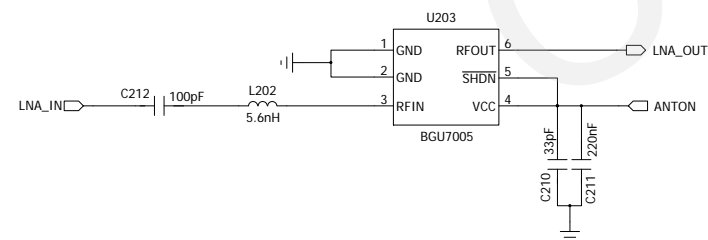


Low when active antenna is short-circuited.



Active Antenna Status	OPEN_DETECT	SHORT_DETECT	CTRL = /OPEN_DETECT	The Selected Antenna
Open	H	H	L	Passive
Short	H	L	L	Passive
Normal	L	H	H	Active

1. BGS12SL6 is a RF SPDT WLAN switch from Infineon.
2. For different active antennas, the values of R202 & R205 may need to be modified.
3. For the other part of reference design, please refer to the document L70 & L76_Reference_Design.



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CHECKED BY <Ray XU/Tony GAO>	SIZE A2	VER 1.01
SHEET 2 of 2		<2013.12>