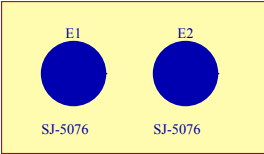


Product Name:	RCB256RFR2 XPRO Extension
Model:	ATRCB256RFR2-XPRO
FCC ID:	VW4A092007
IC ID:	11019A-092007

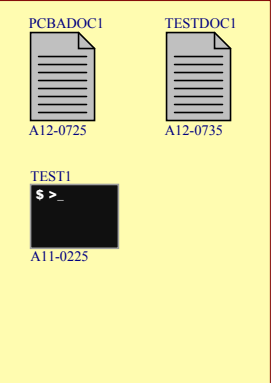
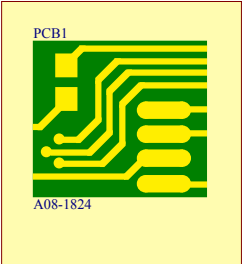



[DESIGN NOTE]
The rubber feet are optional and can be removed. However the MCU boards will have the same rubber feet, so Extension Boards that have e.g. push buttons should have rubber feet to ensure mechanical stability.

LABEL1

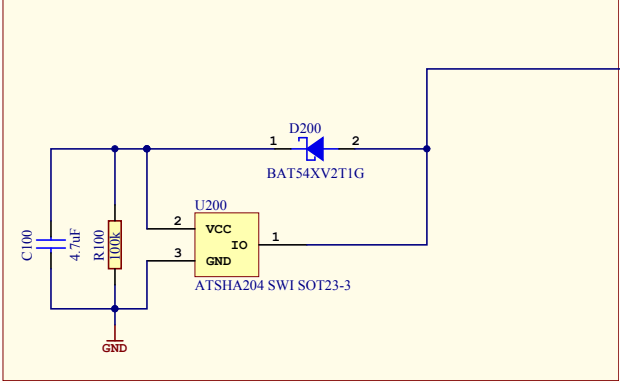
Product number/revision Serial number
--

Label PCBA with MAC64 and FCC ID

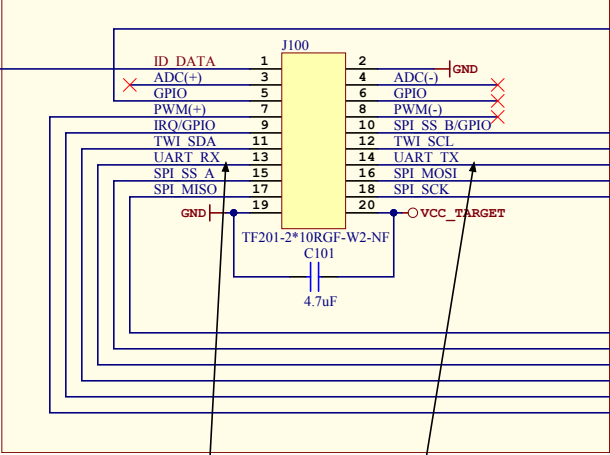


Atmel R&D India	KB				
	KN				
	*				
Date:	16-Sep-13	5:10:22 PM	PAGE:	1 of 3	
Document number:	*		Revision:	1	
TITLE: RCB256RFR2_XPRO_Extension_TopLevel					
RCB256RFR2_XPRO_Ext_TopLevel.SchDoc					

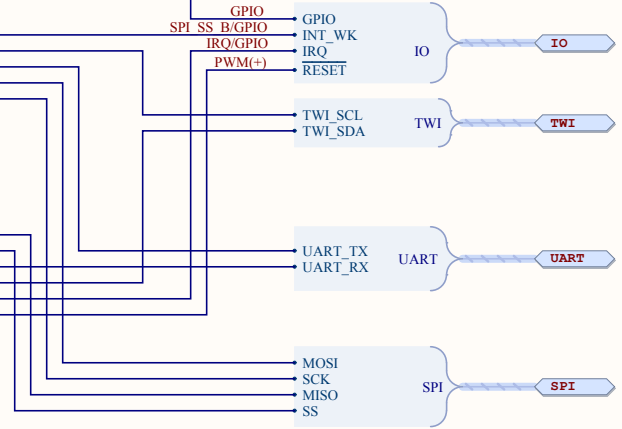
Extension Identification



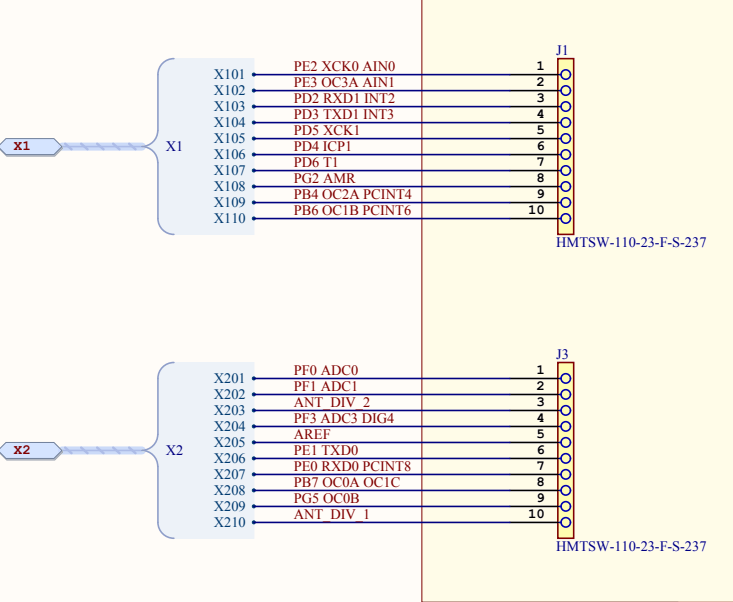
Standard Extension Header (Female)



[DESIGN NOTE]
IMPORTANT NOTICE:
UART_RX and UART_TX refer to RX (input) and TX (output) at the target device side. Connect UART_RX to TX of the UART device on the extension board and UART_TX to RX of the UART device on the extension board.

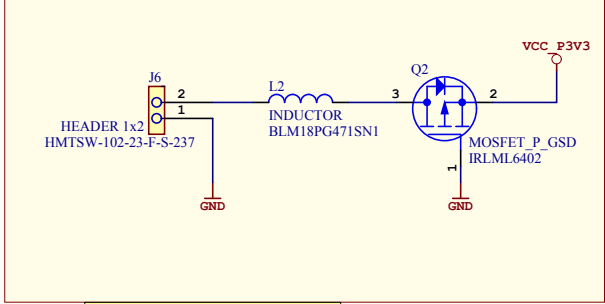
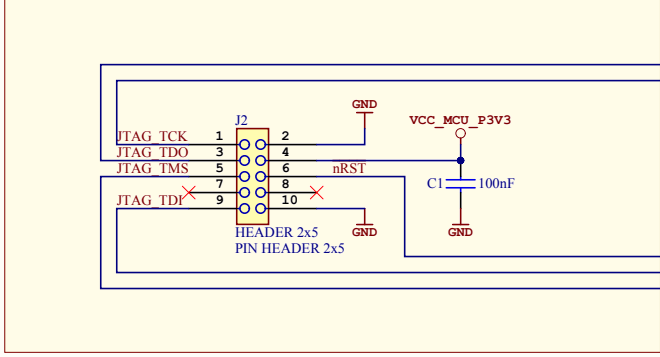


External Connector Headers




[DESIGN NOTE]
IMPORTANT NOTICE:
Connectors are not mounted in the PCB

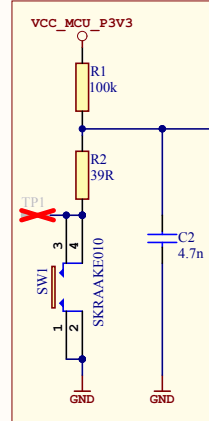
JTAG Header



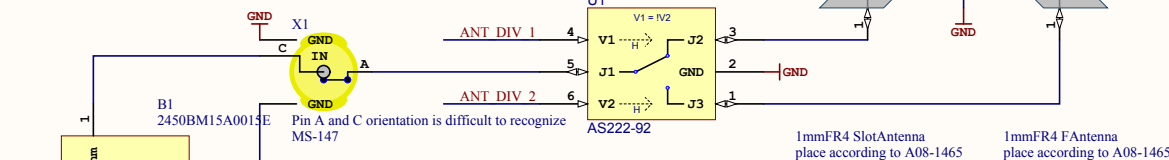
[DESIGN NOTE]
Battery Connector with reverse protection

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	KN			
	*			
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Document number:	*		Revision	1
TITLE: RCB256RFR2_XPRO_Extension_Connector				
RCB256RFR2_XPRO_Ext_Connector.SchDoc				

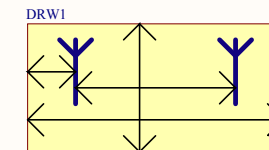
RESET Circuit



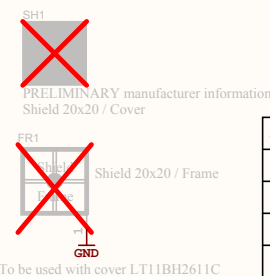
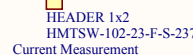
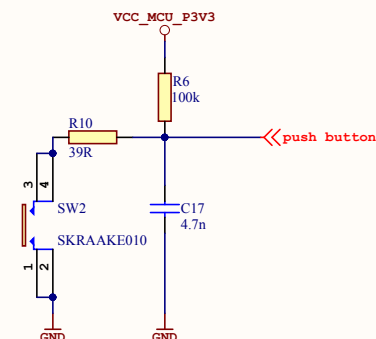
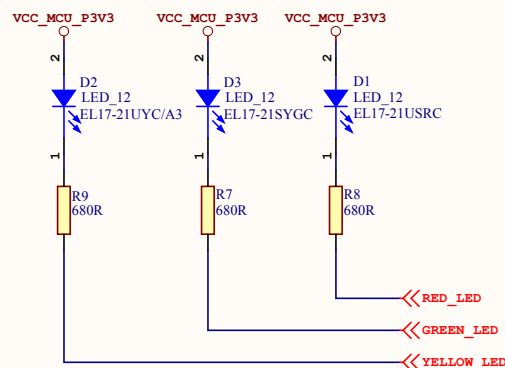
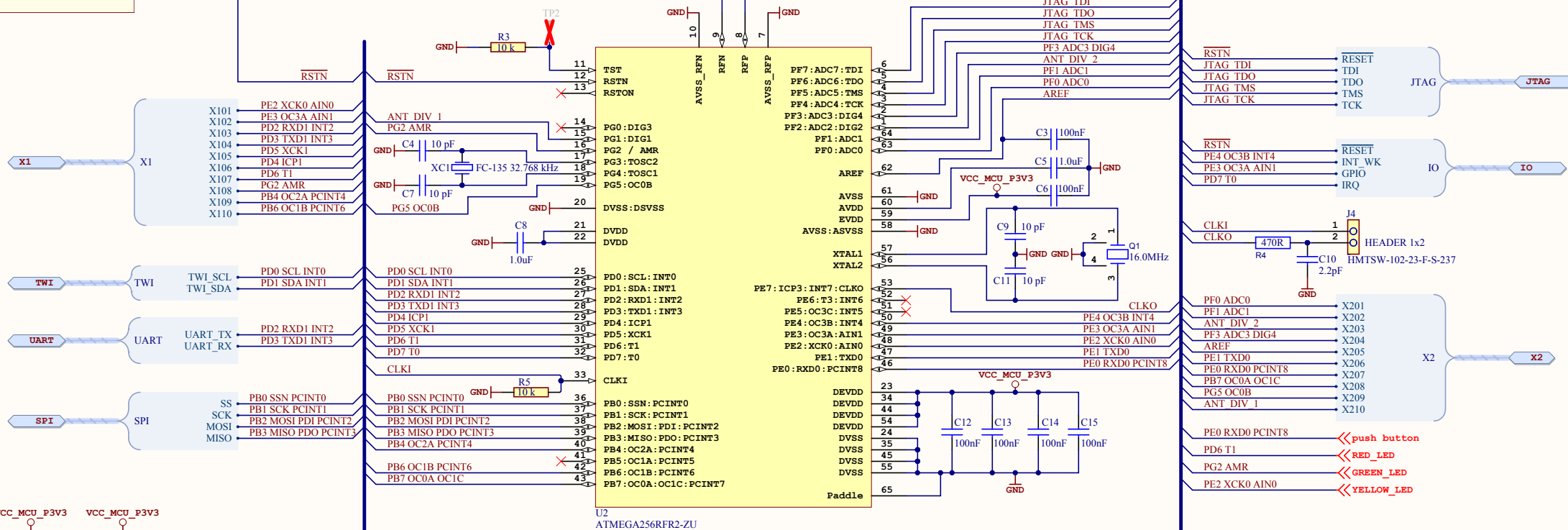
Antenna elements are grounded for ESD protection and come with 22pF DC blocking built in.



1mmFR4 SlotAntenna place according to A08-1465
1mmFR4 FAntenna place according to A08-1465



Grounded antenna structure with built in DC blocking Placement template



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	KN			
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TITLE: RCB256RFR2_XPRO_Extension_RF				
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