

# Compal confidential

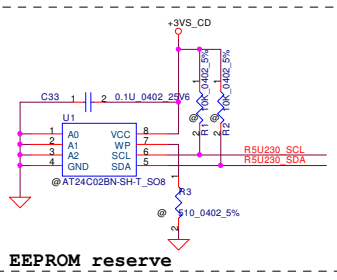
## Schematics Document

CardReader 7 in 1 + 2 Port USB

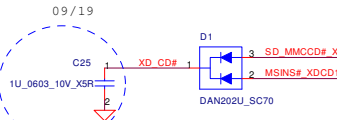
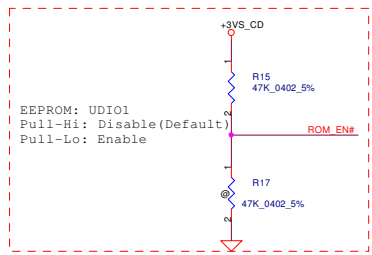
2009-11-12

ver: 1.0

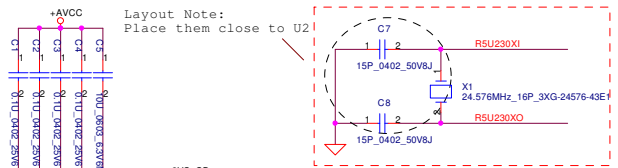
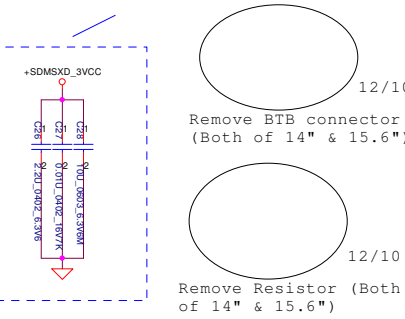
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Issued Date	2008/09/16	Deciphered Date	2009/09/16	Cover Sheet	
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				Date: Wednesday, November 25, 2009	Rev 0.7
				Sheet 1 of 3	



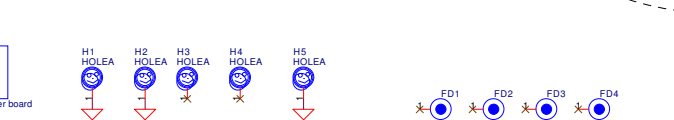
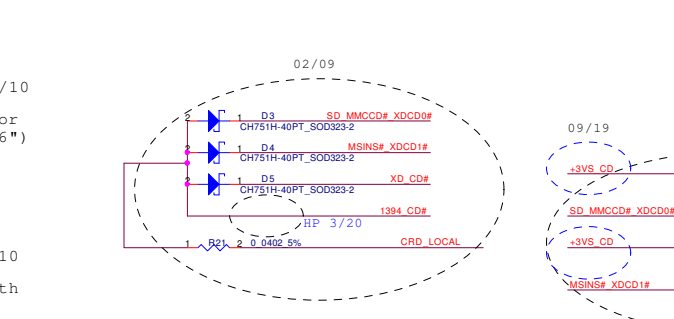
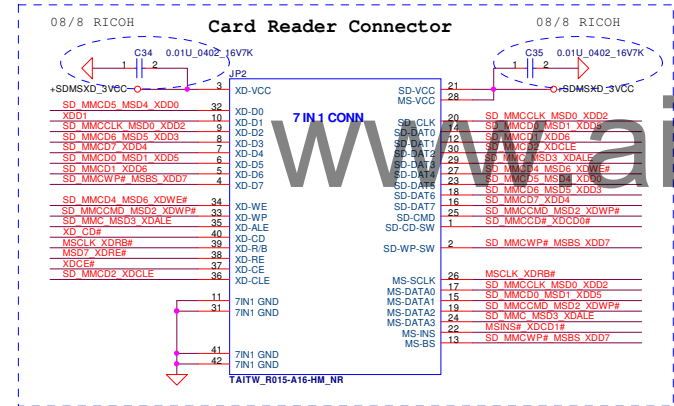
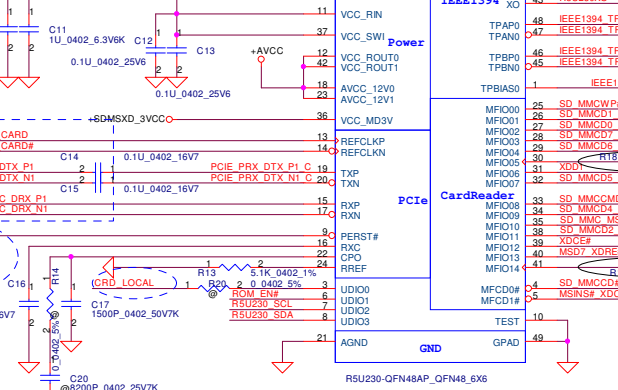
Layout Note:  
Differential pair impedance=1000hm  
Apply the (C14,C15) as close to U2



Layout Note:  
Place them as close as possible to JP2.3



Layout Note:  
Place them close to U2



Layout Note:  
Add GND shield for Xtal

Layout Note:  
Add GND shield for Xtal

Layout Note:  
Add GND shield for SD\_MMC\_CLK. Add GND shield for 1394.

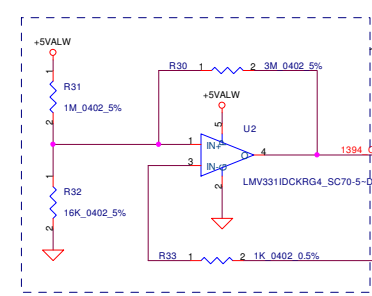
Layout Note:  
Add GND shield for SD\_MMC\_CLK. Add GND shield for 1394.

Layout Note:  
Apply the (R18,R19) as close to U2

Layout Note:  
Apply the (R18,R19) as close to U2

Layout Note:  
Add GND shield for MS\_CLK.

Layout Note:  
Add GND shield for MS\_CLK.



Layout Note:  
Place them as close as possible to U2

Layout Note:  
Place them as close as possible to U2

Layout Note:  
Place them as close as possible to U2

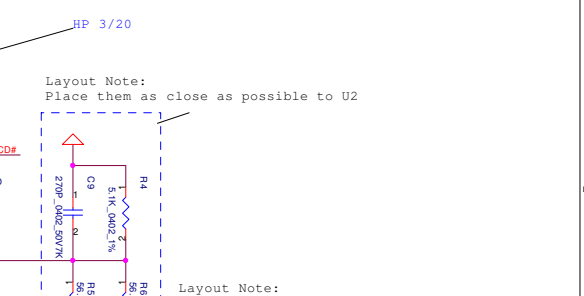
Layout Note:  
Place them as close as possible to U2

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*Version Change List ( P. I. R. List ) for Card Reader Circuit*

[illegible]

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