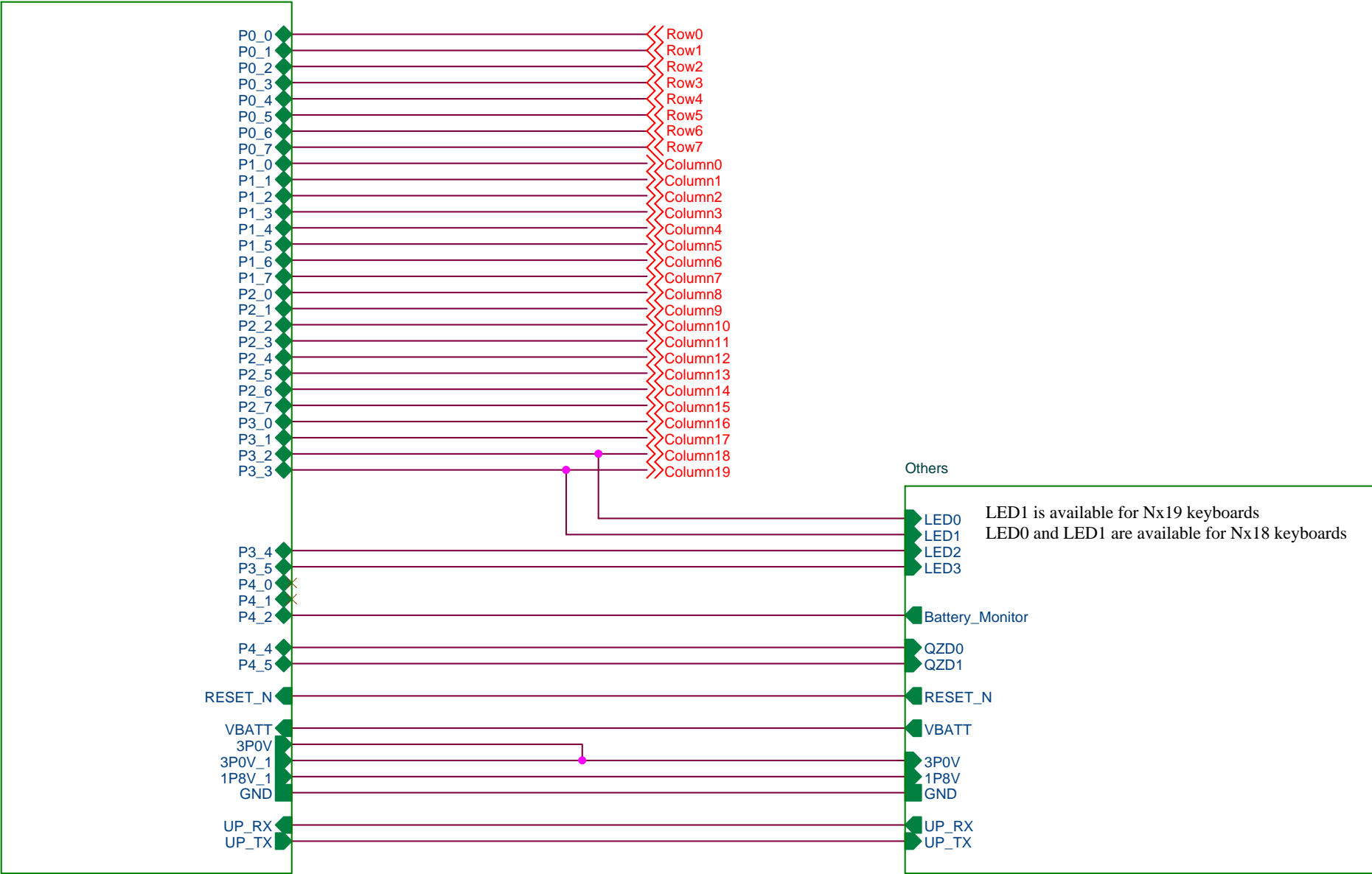


BCM2042A1 ROM Module

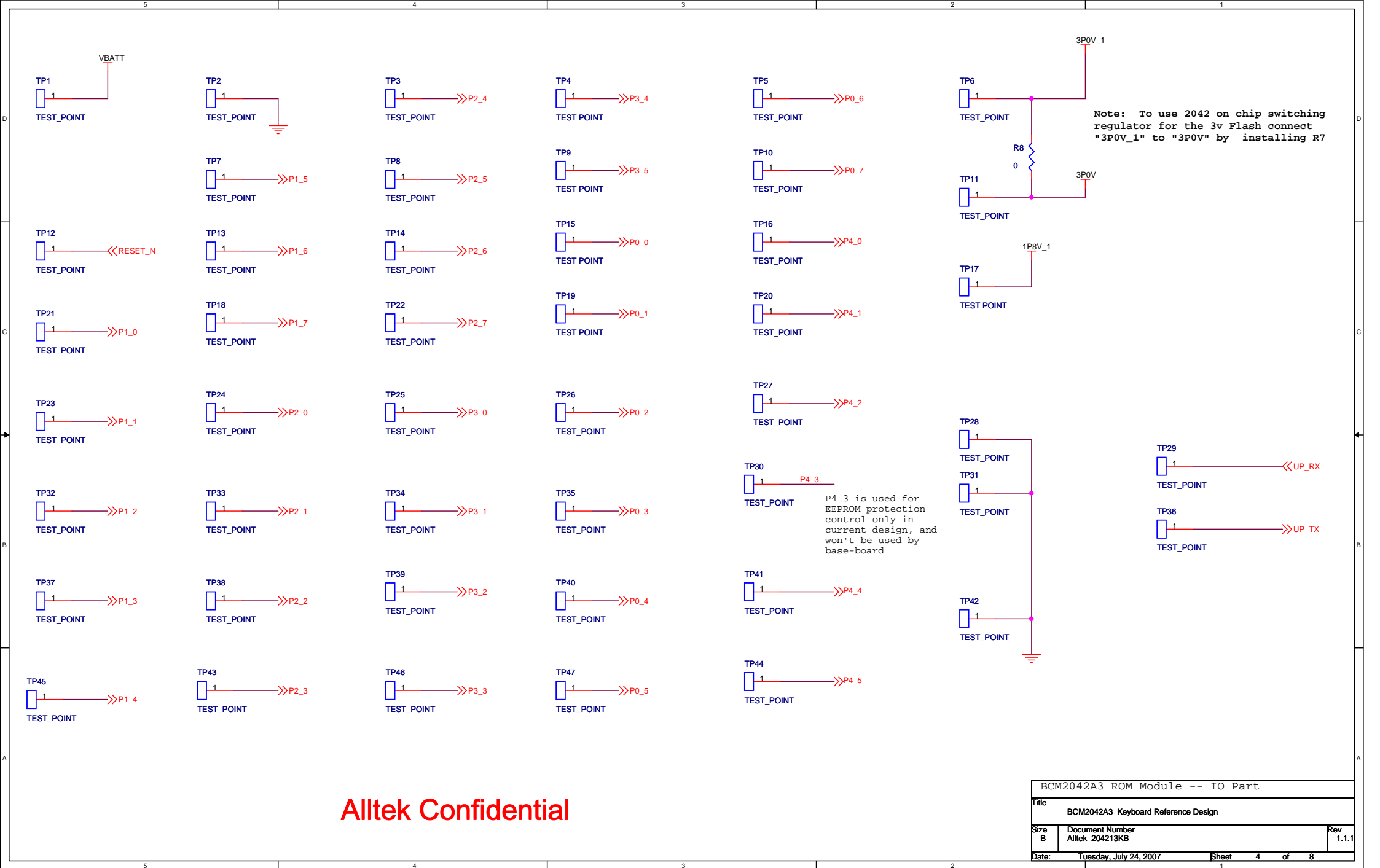


Power, LED, and optional scroll wheel/Volume Knob

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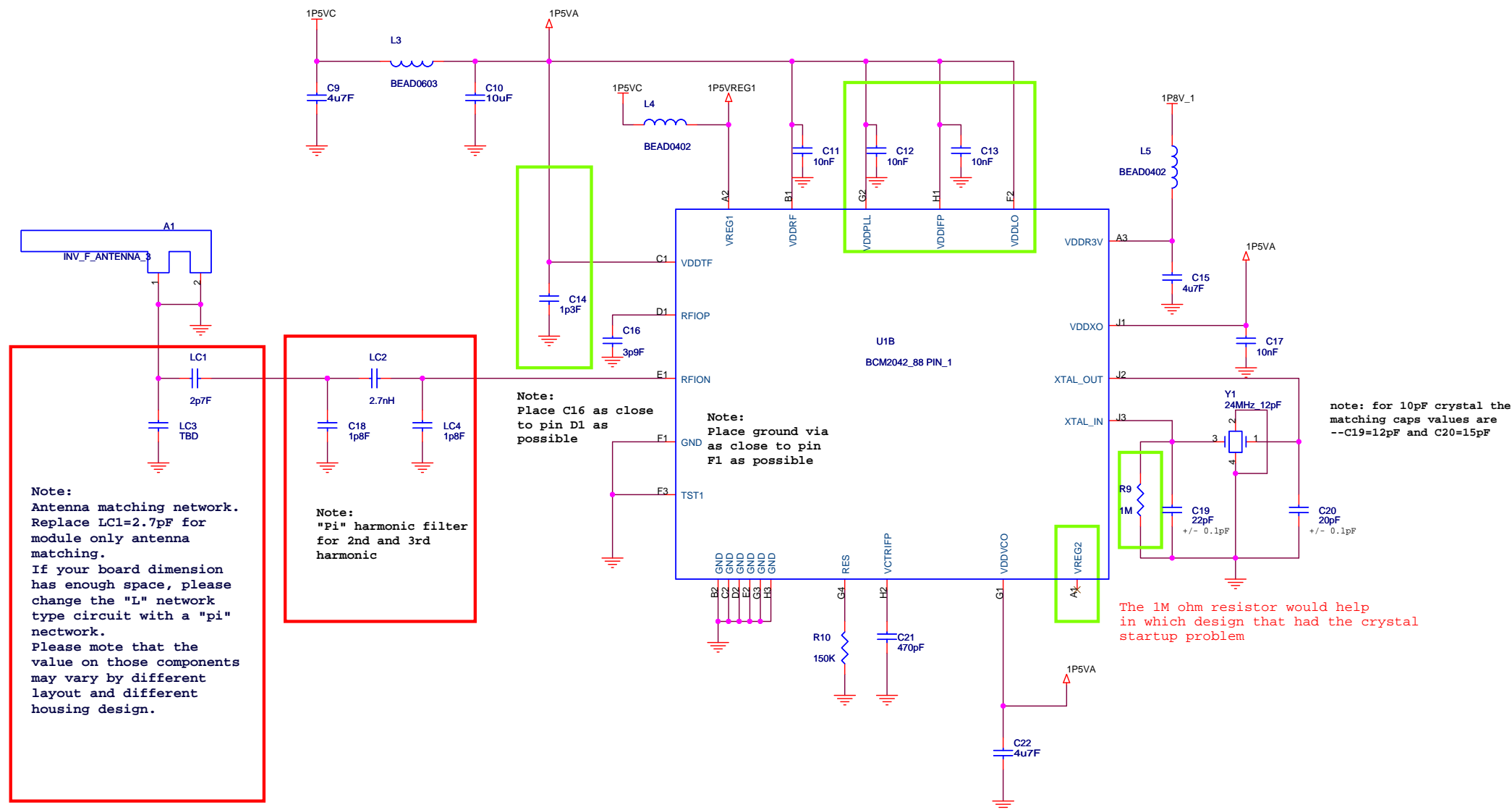
Functional Block		
Title		
BCM2042A3 Keyboard Reference Design		
Size	Document Number	Rev
A	Alltek 204213KB	1.1.1
Date:	Tuesday, July 24, 2007	Sheet 2 of 8





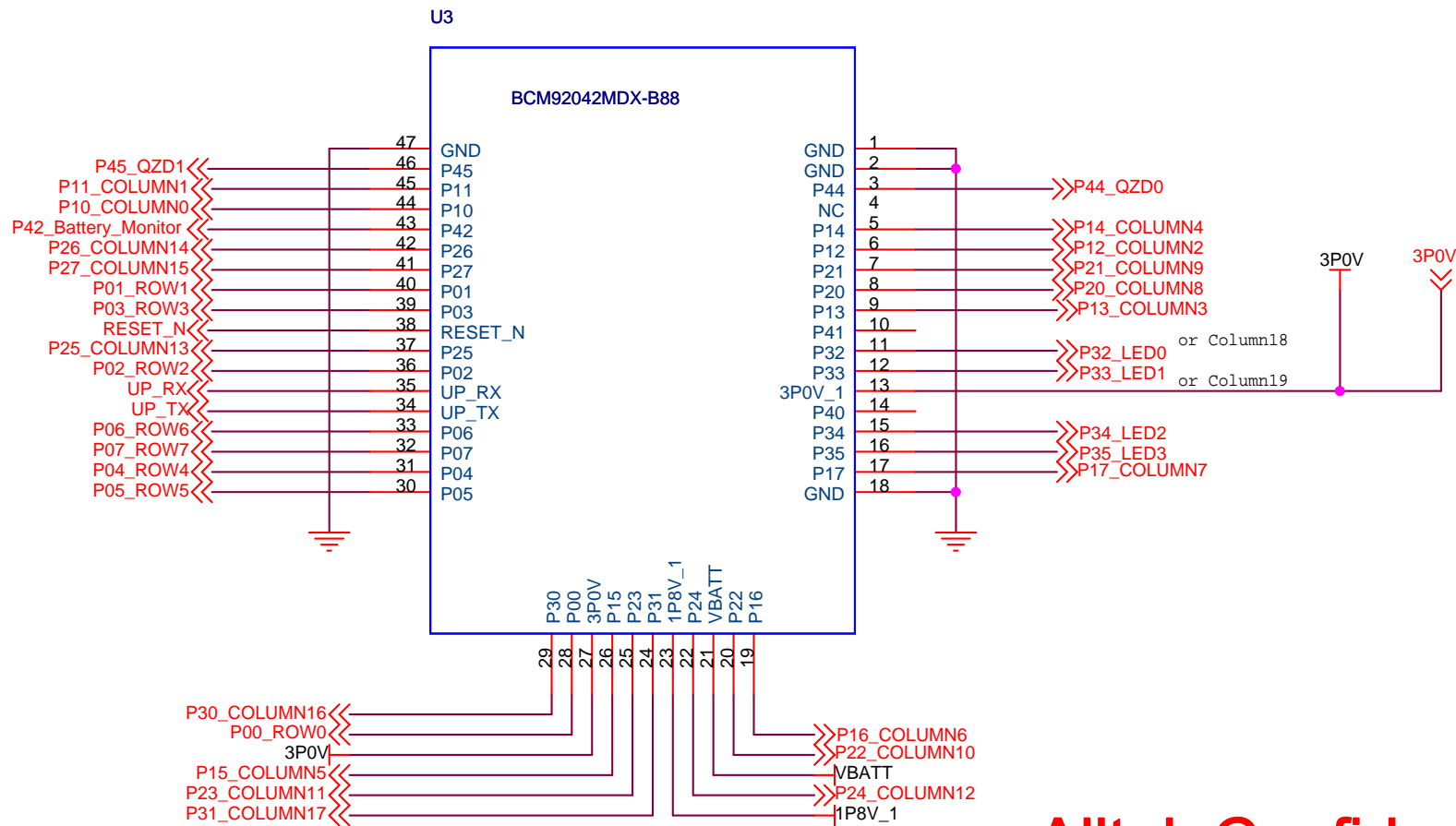
Alltek Confidential

BCM2042A3 ROM Module -- IO Part			
Title		BCM2042A3 Keyboard Reference Design	
Size	Document Number	Rev	
B	Alltek 204213KB	1.1.1	
Date:	Tuesday, July 24, 2007	Sheet	4 of 8



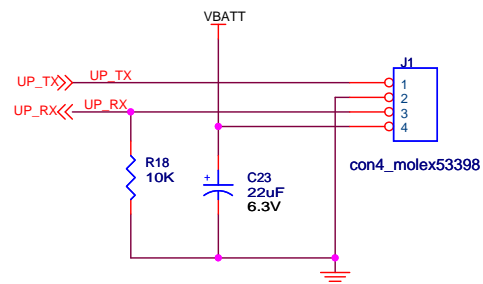
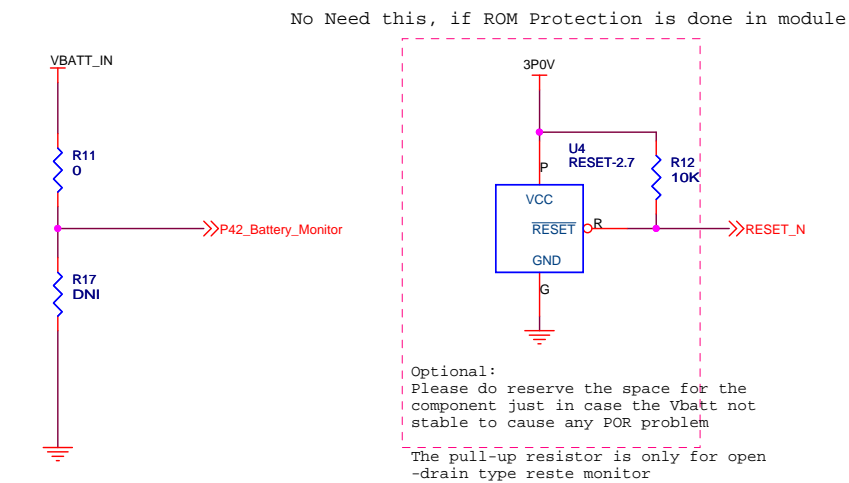
**Alltek  
Confidential**

BCM2042A3 ROM Module -- RF Part		
Title		
BCM2042A3 Keyboard Reference Design		
Size	Document Number	Rev
B	Alltek 204213KB	1.1.1
Date:	Tuesday, July 24, 2007	Sheet 5 of 8

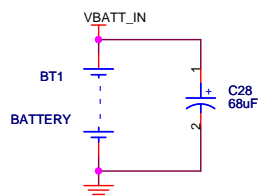


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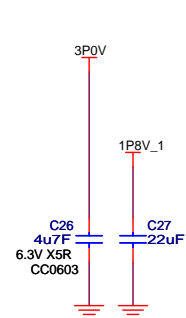
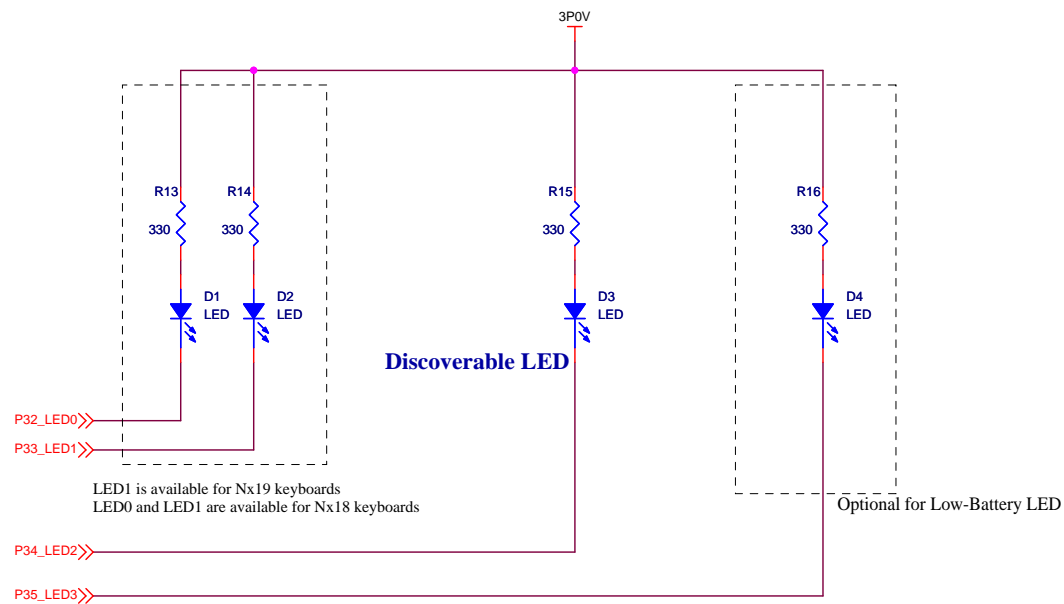
Others -- Connections with BCM2042 Module			
Title			
BCM2042A3 Keyboard Reference Design			
Size	Document Number		Rev
A	Alltek 204213KB		1.1.1
Date:		Tuesday, July 24, 2007	Sheet 6 of 8



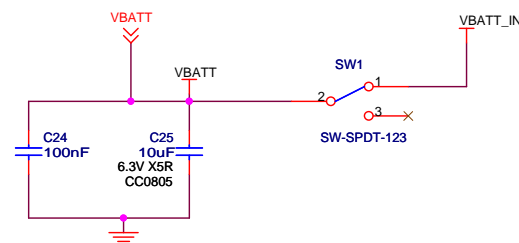
Note: Serial Interface Port



NOTE: 2 AA BATTERIES in series

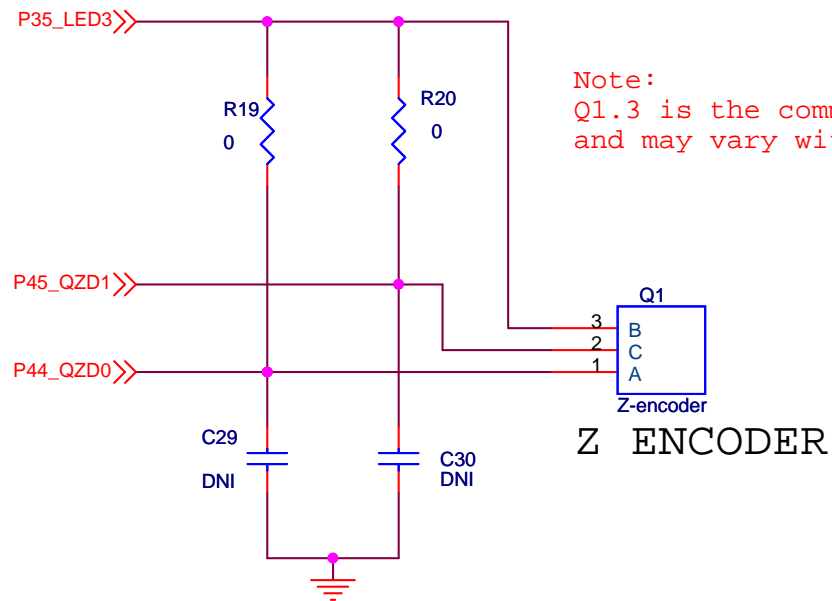


C27 is very important for helping the 1P8V drop slower than 3P0V to avoid any I/O mistake problem while battery removed from the system



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Others -- Battery and LED		
Title	BCM2042A3 Keyboard Reference Design	
Size B	Document Number Alltek 204213KB	Rev 1.1.1
Date:	Tuesday, July 24, 2007	Sheet 7 of 8



Scroll Whee or Volume Knob Encoder

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Others -- Scroll Wheel/Volume Knob (optional)			
Title BCM2042A3 Keyboard Reference Design			
Size A	Document Number Alltek 204213KB		Rev 1.1.1
Date:	Tuesday, July 24, 2007	Sheet	8 of 8