

Add AGND_LSD in this DAA side in 3 Layer
Keep 3mm uper space

R8 and R6 may be replaced with ferrite beads similar to FB906 to reduce radiated EMI if needed.

C14, C15 and FB906 must be placed near pins 7 (PWR+) and 6 (AGND).

Vdd C13 is low impedance aluminum electrolytic.

C13, C16, and C17, must be placed near pins 2 and 6.

C20 must be placed near pin 26 (CLK).

R10 must be placed near C20.

Circuit traces for C23 and C24 should be less than 2 inches.

C23 and C24 must be Y2 or Y3 type caps. See Y2/Y3 Note below.

Y2/Y3 Note: Y2 or Y3 caps are needed to comply with Nordic Countries' deviations of IEC60950 2nd and 3rd ed. Y3 type caps must also be certified for a 2.5KV impulse test. This must be checked in vendors' specifications (see AVL). Some OEMs may require Y2 type caps for other reasons.

U1
Homer
CX20493-21

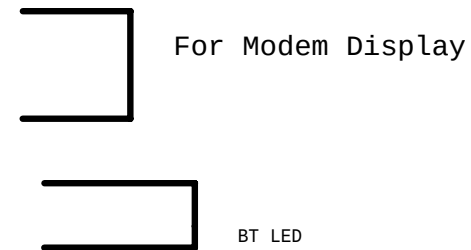
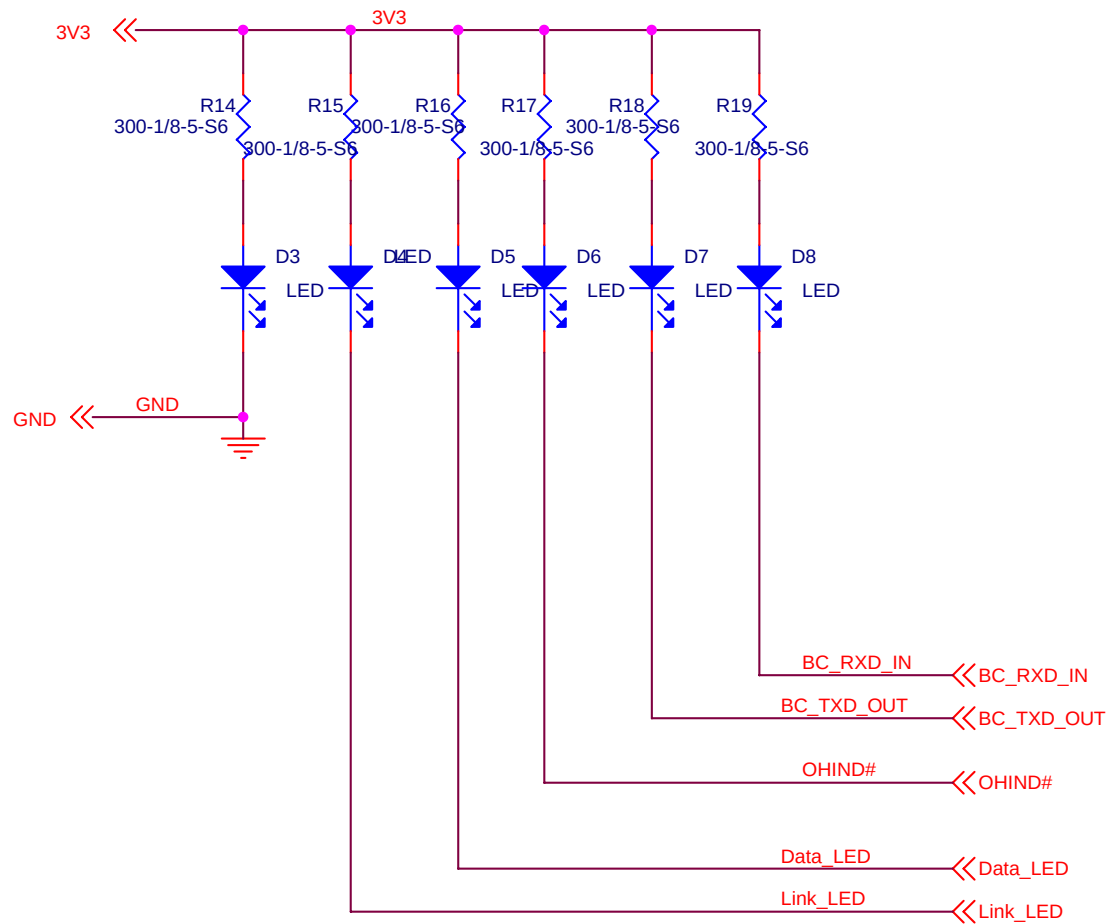
Ring Impedance Option Note

It seems generally best to put the ring impedance circuit in a telephone line adapter for the specific country. The circuit shown (R978, D906, D908, C984) is adequate for South Africa, Poland, and Korea. Refer to Designers Guide for more information.

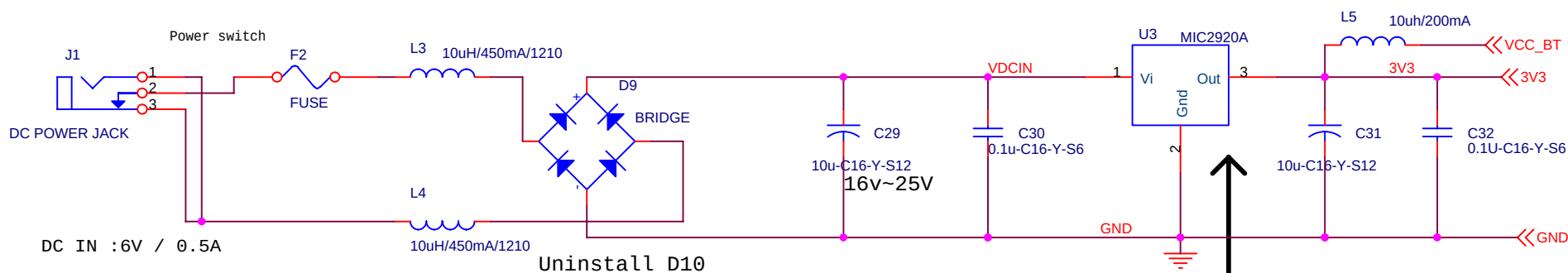
D1,2 is 10V or 12V

Heatsink for Q2 should have about 1 sq. inch of surface area.

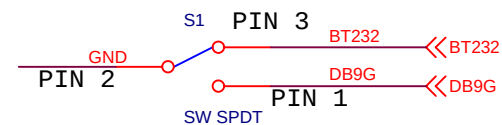
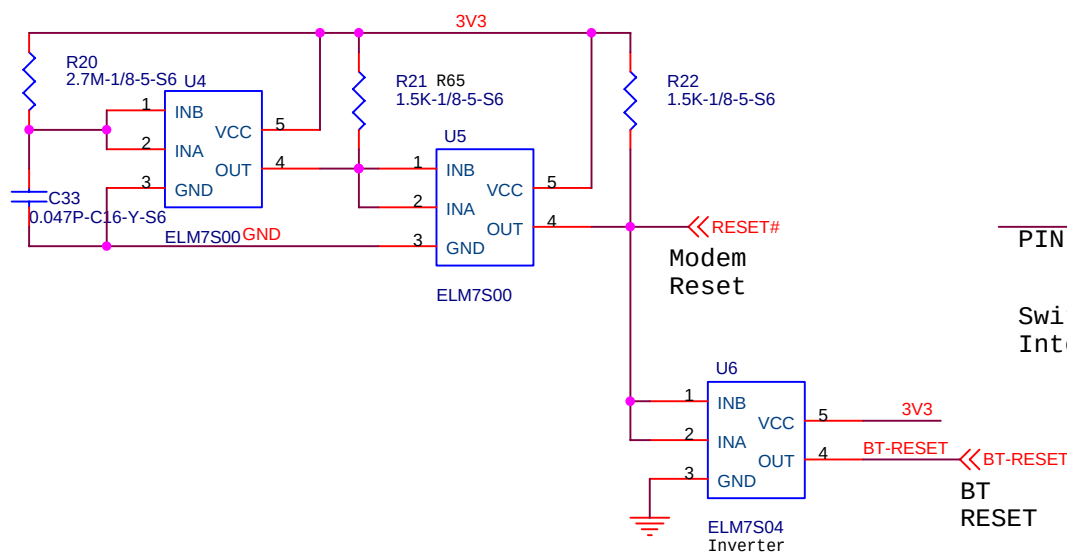
Title		
Billionton Systems Inc.		
Size	Document Number	Rev
Custom	Bluetooth V90 Modem DAA Line	1.0
Date:	星期二 十二月 02, 2003	Sheet 1 of 5



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A	Bluetooth Modem LED display	1.0
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Change the LD0 to MIC2920-3.3BS , Package is SOT223



Switch BT or RS232 Modem Interface I/O

Power on Reset for Modem (Low Reset) and Bluetooth (HI Reset)

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Billionton Systems Inc.			
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Custom	Bluetooth V90 Modem power	0.1	
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