
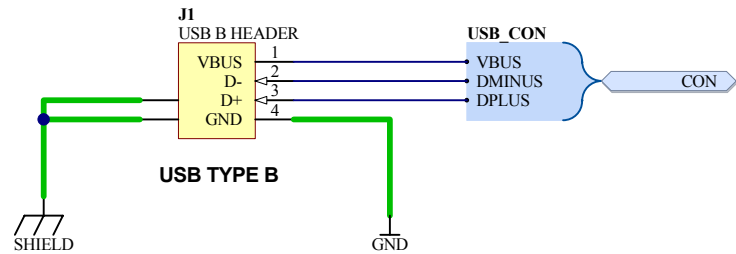

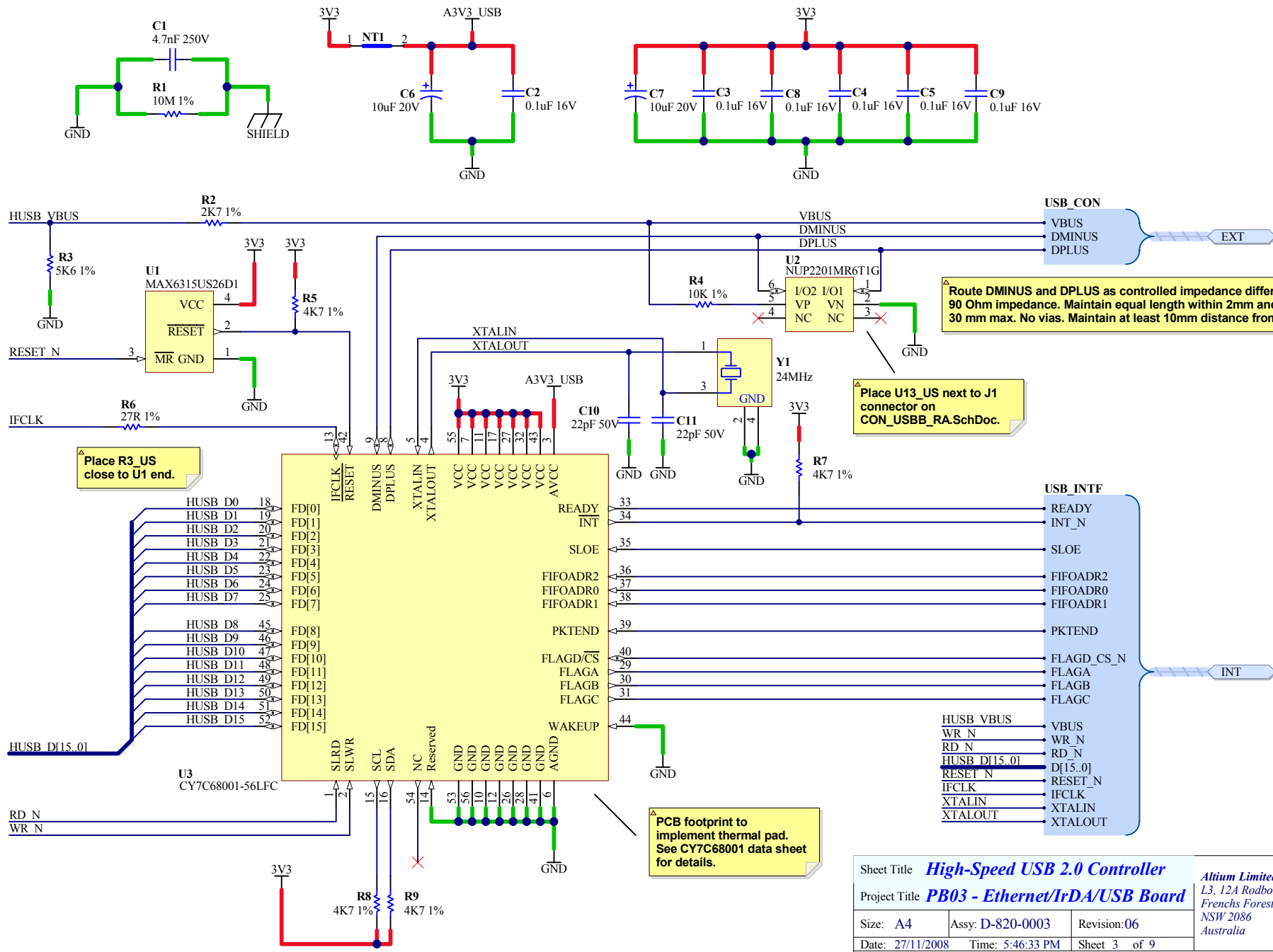


Sheet Title <b>Top Level</b>			<b>Altium Limited</b> L3, 12A Rodborough Rd Frenchs Forest NSW 2086 Australia	
Project Title <b>PB03 - Ethernet/IrDA/USB Board</b>				
Size: <b>A4</b>	Assy: <b>D-820-0003</b>	Revision: <b>06</b>		
Date: <b>27/11/2008</b>	Time: <b>5:46:33 PM</b>	Sheet <b>1</b> of <b>9</b>		
File: <b>PB03_Top.SchDoc</b>				



Sheet Title <b>USB 2.0 Type B Connector</b>			<i>Altium Limited</i> L3, 12A Rodborough Rd Frenchs Forest NSW 2086 Australia	
Project Title <b>PB03 - Ethernet/IrDA/USB Board</b>				
Size: A4	Assy: D-820-0003	Revision:06		
Date: 27/11/2008	Time: 5:46:33 PM	Sheet 2 of 9		
File: CON USBB RA.SchDoc				



Route DMINUS and DPLUS as controlled impedance differential pair with 90 Ohm impedance. Maintain equal length within 2mm and overall length 30 mm max. No vias. Maintain at least 10mm distance from other traces.

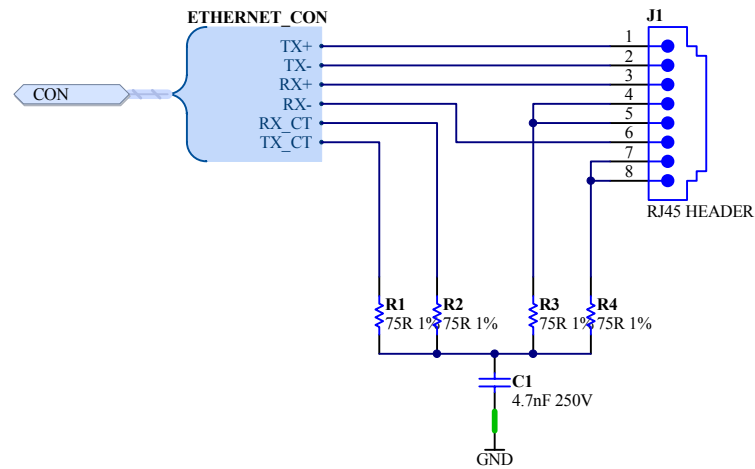
Place U13\_US next to J1 connector on CON\_USB2\_RA.SchDoc.


Place R3\_US close to U1 end.

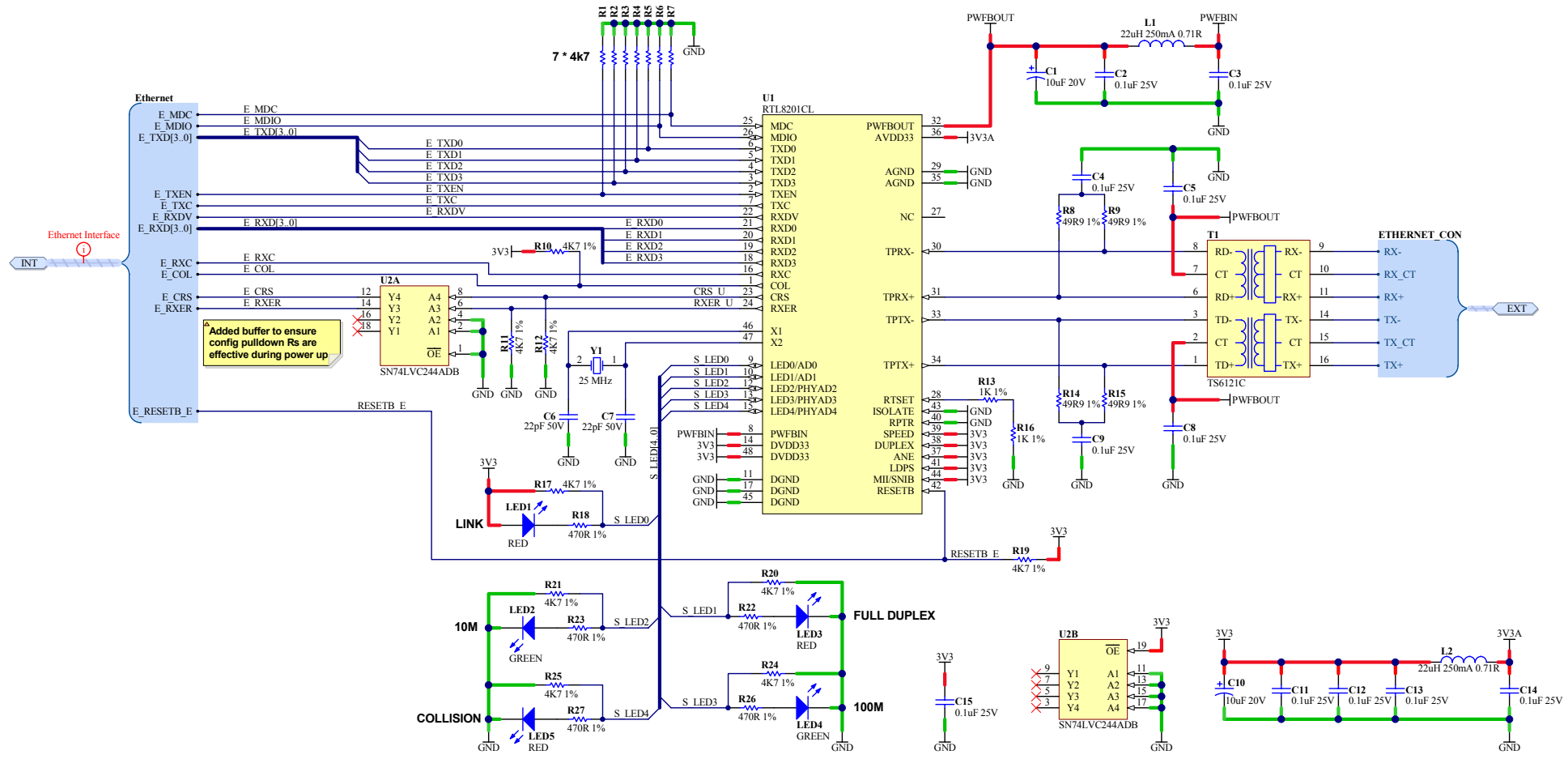
PCB footprint to implement thermal pad. See CY7C68001 data sheet for details.

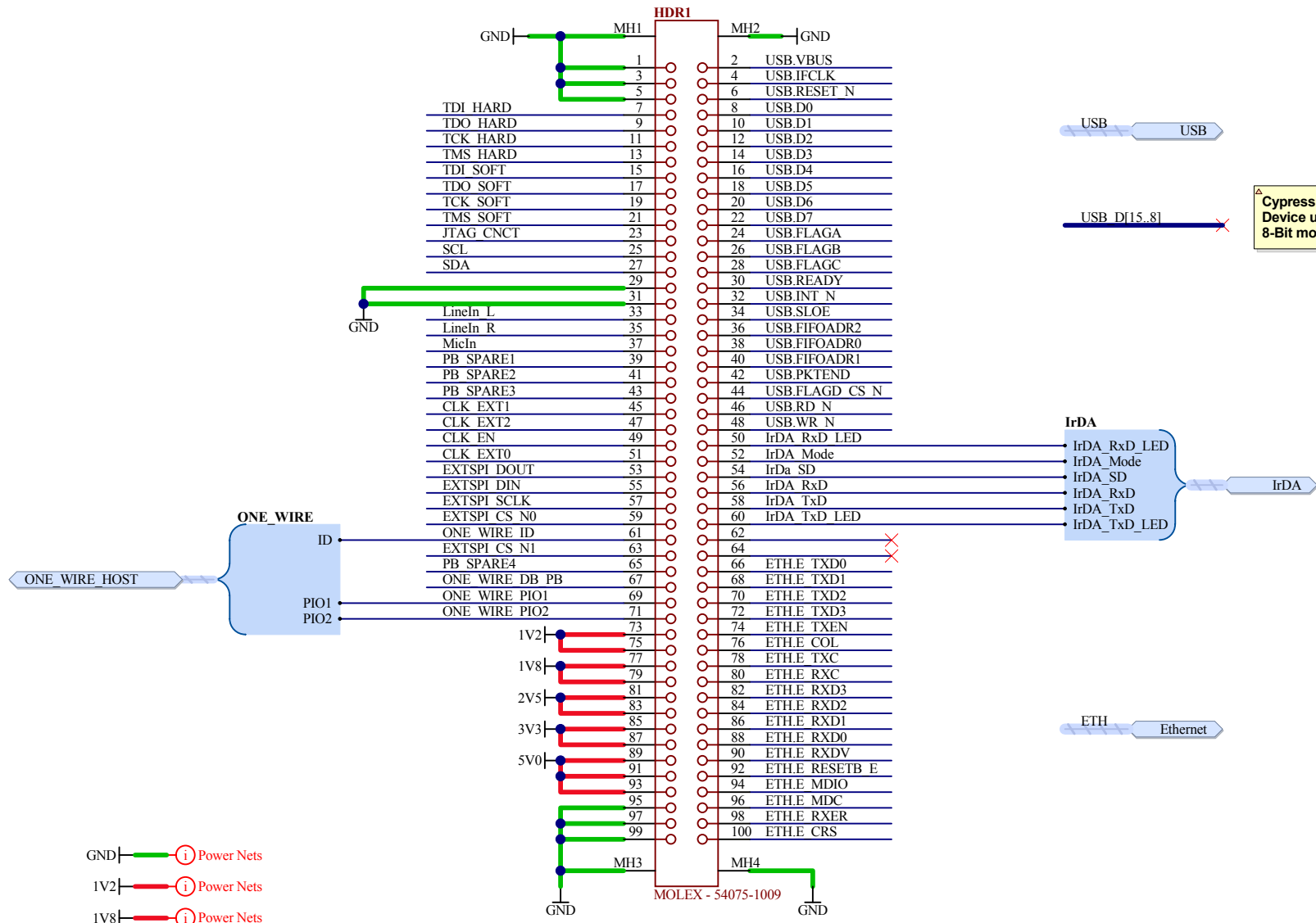
Sheet Title <b>High-Speed USB 2.0 Controller</b>		Altium Limited L3, 12A Rodborough Rd Frenchs Forest NSW 2086 Australia	
Project Title <b>PB03 - Ethernet/IrDA/USB Board</b>			
Size: A4	Assy: D-820-0003	Revision: 06	
Date: 27/11/2008	Time: 5:46:33 PM	Sheet 3 of 9	
File: USB_CY7C68001-56LFC.SchDoc			



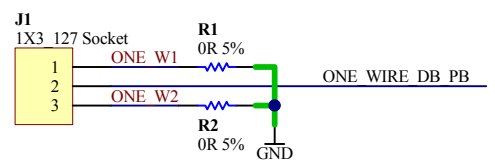


Sheet Title <b>Ethernet Connector</b>			<b>Altium Limited</b> L3, 12A Rodborough Rd Frenchs Forest NSW 2086 Australia	
Project Title <b>PB03 - Ethernet/IrDA/USB Board</b>				
Size: A4	Assy: D-820-0003	Revision:06		
Date: 27/11/2008	Time: 5:46:33 PM	Sheet 5 of 9		
File: CON_ETHERNET.SchDoc				

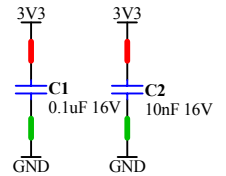
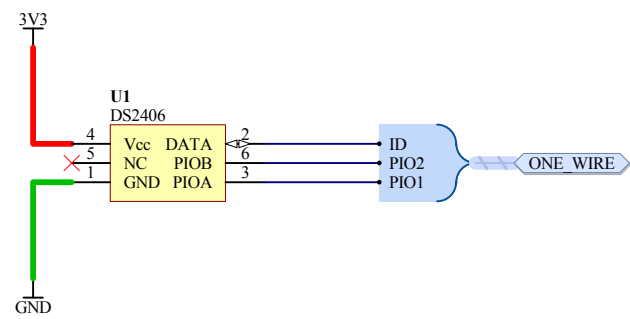





- GND | (i) Power Nets
- 1V2 | (i) Power Nets
- 1V8 | (i) Power Nets
- 2V5 | (i) Power Nets
- 3V3 | (i) Power Nets
- 5V0 | (i) Power Nets



Sheet Title <b>PB Extender Board Socket</b>			Altium Limited L3, 12A Rodborough Rd Frenchs Forest NSW 2086 Australia	
Project Title <b>PB03 - Ethernet/IrDA/USB Board</b>				
Size: A4	Assy: D-820-0003	Revision: 06		
Date: 27/11/2008	Time: 5:46:33 PM	Sheet 7 of 9		
File: PB_ExtenderPlug.SchDoc				



Sheet Title <b><i>1-Wire Bus ID</i></b>			<b>Altium Limited</b> L3, 12A Rodborough Rd Frenchs Forest NSW 2086 Australia	
Project Title <b><i>PB03 - Ethernet/IrDA/USB Board</i></b>				
Size: A4	Assy: D-820-0003	Revision:06		
Date: 27/11/2008	Time: 5:46:33 PM	Sheet 8 of 9		
File: 1WB_DS2406_EPROM.SchDoc				

1

2

3

4

A

A

B

B

C

C

D

D

**MH1**  
MOUNTING HOLE 3MM



**MH2**  
MOUNTING HOLE 3MM



**MH3**  
MOUNTING HOLE 3MM



**Altium Logo Top**




**Altium Logo Bottom**



**PCB1**  
PB03 Blank PCB

Printed Circuit Board (Bare)

Sheet Title <b>Mounts, Logo &amp; Label</b>			<b>Altium Limited</b> L3, 12A Rodborough Rd Frenchs Forest NSW 2086 Australia	
Project Title <b>PB03 - Ethernet/IrDA/USB Board</b>				
Size: <b>A4</b>	Assy: <b>D-820-0003</b>	Revision: <b>06</b>		
Date: <b>27/11/2008</b>	Time: <b>5:46:33 PM</b>	Sheet <b>9</b> of <b>9</b>		
File: <b>PB03_MOUNTS.SchDoc</b>				

1

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3

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