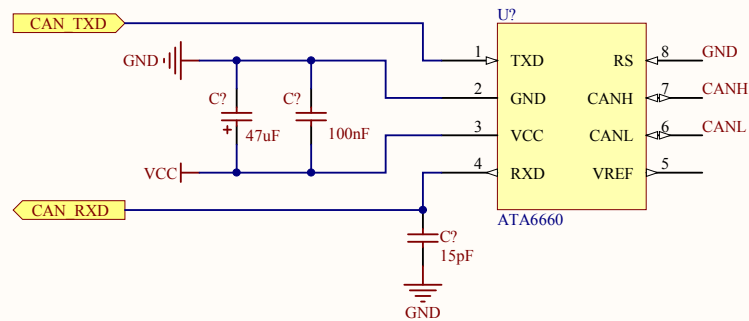

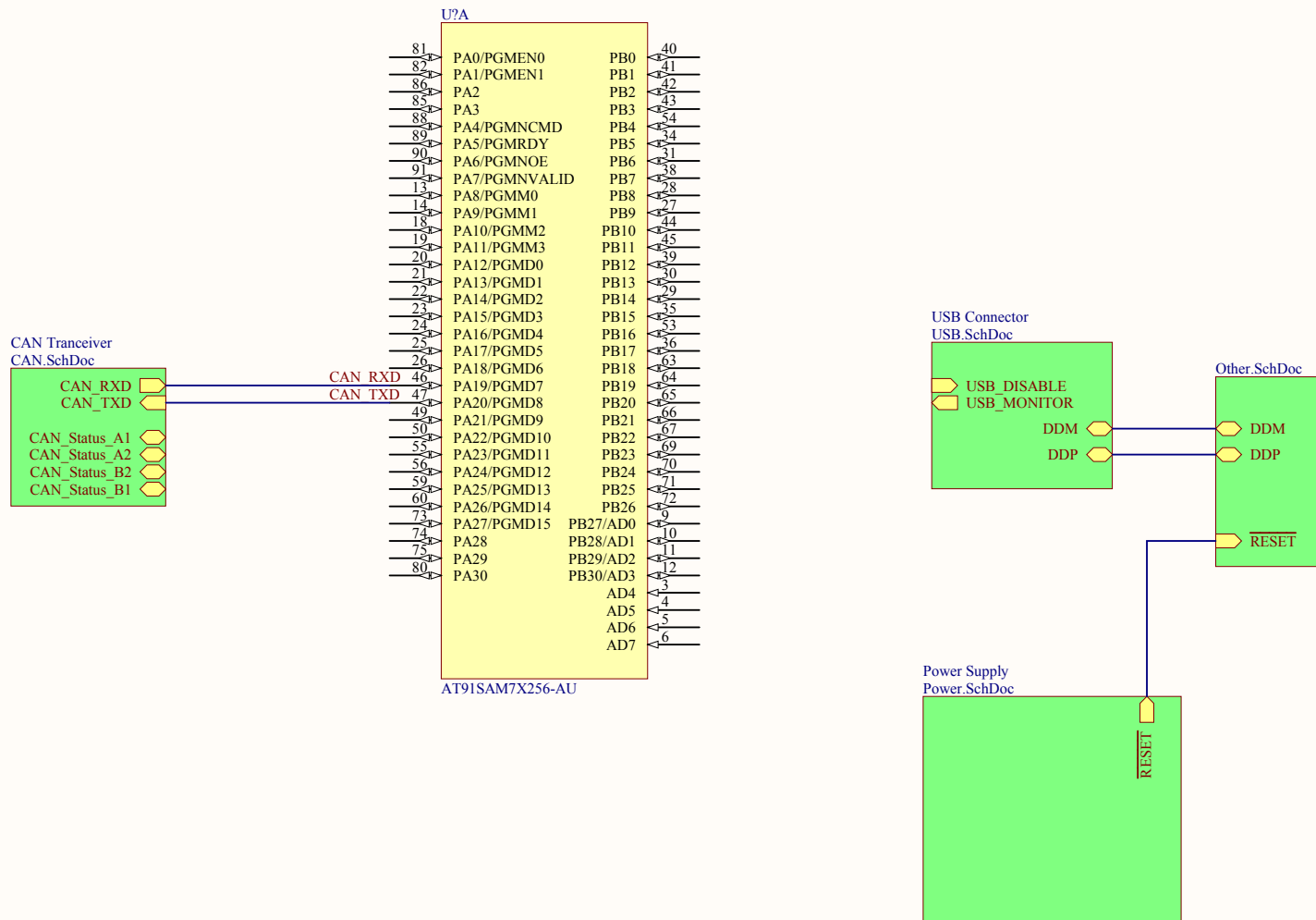



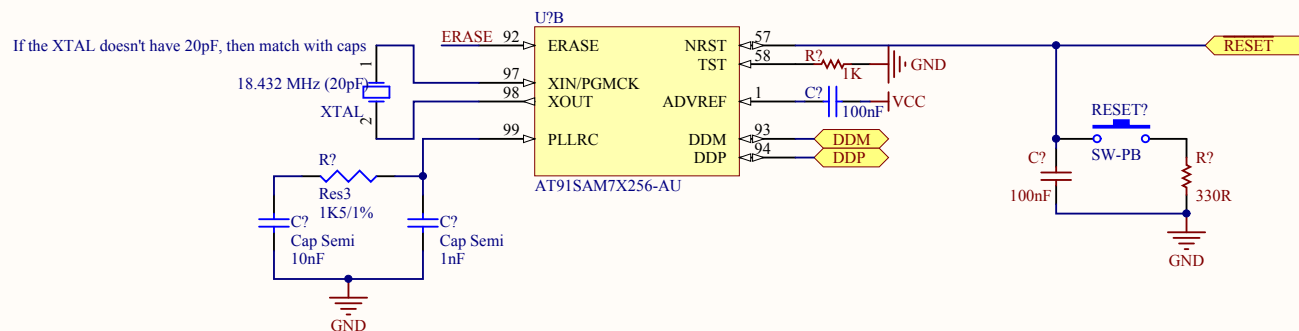
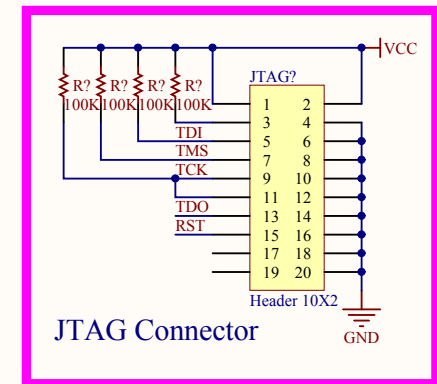
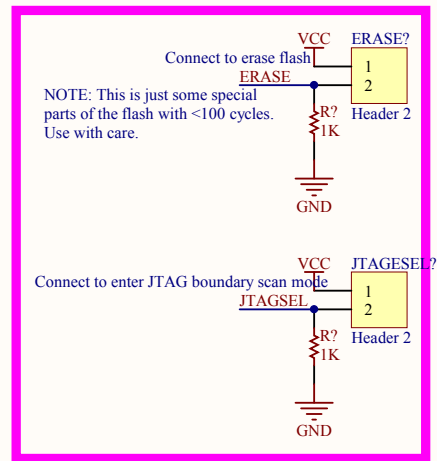
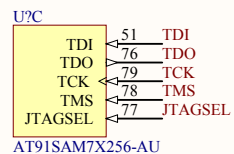
## CAN Transceiver




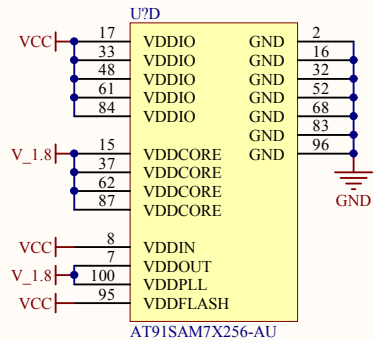
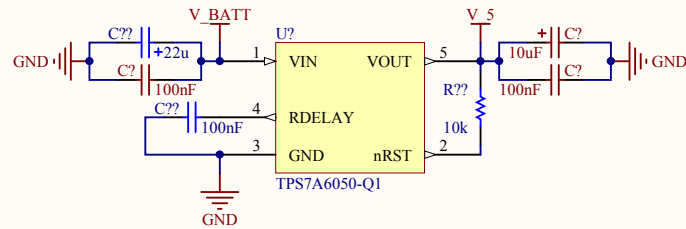
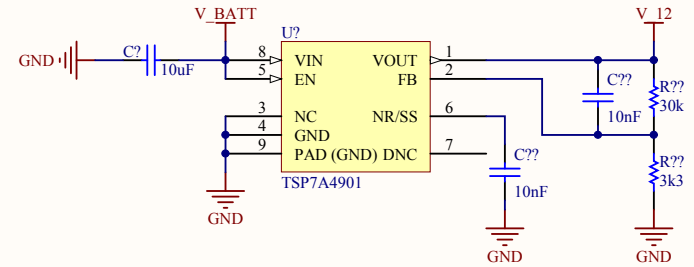
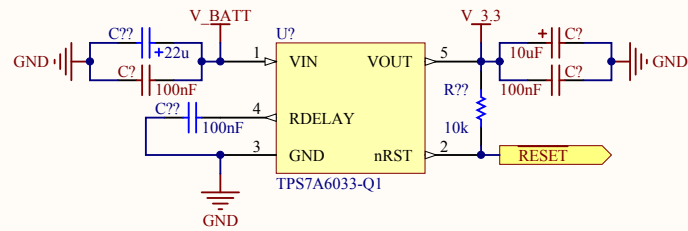
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Drawn by:	Revision: 1	University of Canterbury	
Date: 18/05/2011	Time: 10:51:59 a.m.	Christchurch 8041	
File: H:\sources\mariokart\Altium\Main Board\CAN.SchDoc	Sheet of	New Zealand	



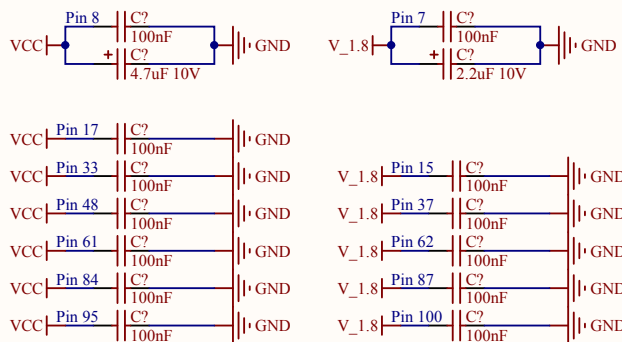
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Size: A4	Number:	Revision:		
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File: H:\sources\mariokart\Altium\Main Board\Main.SchDoc				




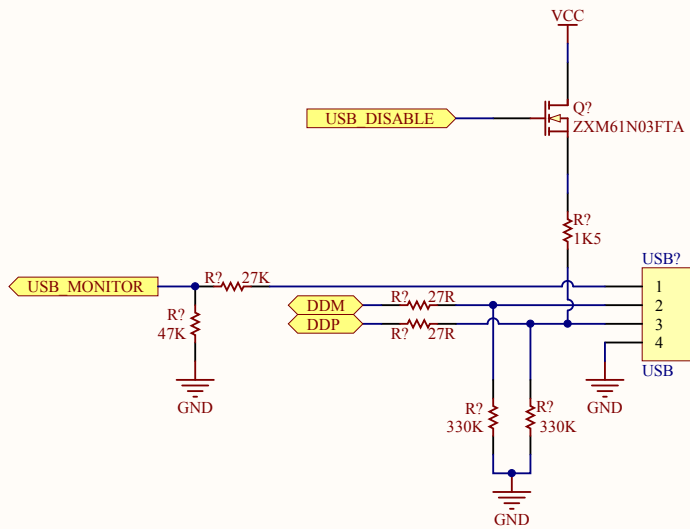
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Size: A4	Number:	Revision:		
Date: 18/05/2011	Time: 10:51:59 a.m.	Sheet of		
File: H:\sources\mariokart\Altium\Main Board\Other.SchDoc				




SAM7 Local decoupling capacitors



Title			<i>Altium Limited</i> 3 Minna Close <i>Belrose</i> NSW 2085 <i>Australia</i>	
Size: <b>A4</b>	Number:	Revision:		
Date: <b>18/05/2011</b>	Time: <b>10:51:59 a.m.</b>	Sheet of		
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Title		ENEL429 Group N	 UNIVERSITY OF CANTERBURY Te Whare Wānanga o Waitaha CHRISTCHURCH, NEW ZEALAND
Drawn by:		Revision: 1	
Date: 18/05/2011	Time: 10:51:59 a.m.	Sheet of	
File: H:\sources\mariokart\Altium\Main Board\USB.SchDoc			

Comment	Description	Designator	Footprint	LibRef	Quantity
RJSSE-5381-02				RJSSE-5381-02	1
XTAL	Crystal Oscillator	18.432 MHz (20pF)	BCY-W2/ D3.1	XTAL	1
2.2uF 10V	SM Tantalum Cap	C?	TANT3216	TANT2.2uF_10V_3216	1
4.7uF 10V	SM Tantalum Cap	C?	TANT3216	TANT4.7uF_10V_3216	1
10nF	0603 Capacitor	C?	CC0603	10nF_CC0603	2
10uF	CAP 10uF 10% 10V X5R 0805	C?	0805	CP_10uF 0805	1
10uF	SM Tantalum Cap	C?	TANT3216	TANT10uF_10V_3216	2
15pF	0603 Capacitor	C?	CC0603	15pF_CC0603	1
47uF	SM Tantalum Cap	C?	TANT7343	TANT47uF_16V_7343	1
100nF	0603 Capacitor	C?	CC0603	100nF_CC0603	19
Cap Semi	Capacitor (Semiconductor SIM Model)	C?	CAPC3216L	Cap Semi	3
10nF	CAP CER 10000PF 100V X7R 0603	C??	0603	CP_10nF 0603	2
100nF	CAP CER .10UF 50V X5R 0603	C??	0603	CP_100nF 0603	2
CP_TANT_22uF	CAP TANT 22UF 35V 10% SMD	C??	6032	CP_TANT_22uF_35V	2
Header 2	Header, 2-Pin	ERASE?, JTAGESEL?	HDR1X2	Header 2	2
Header 10X2	Header, 10-Pin, Dual row	JTAG?	HDR2X10	Header 10X2	1
ZXM61N03FTA	Mosfet N HDMOS Vds:30V, Id:1.4a, sot-23	Q?	SOT-23	ZXM61N03FTA	1
1K	0603 Resistor	R?	R0603	1K_R0603	3
1K5	0603 Resistor	R?	R0603	1K5_R0603	1
27K	0603 Resistor	R?	R0603	27K_R0603	1
27R	0603 Resistor	R?	R0603	27R_R0603	2
47K	0603 Resistor	R?	R0603	47K_R0603	1
100K	0603 Resistor	R?	R0603	100K_R0603	4
120R	0603 Resistor	R?	R0603	120R_R0603	8
330K	0603 Resistor	R?	R0603	330K_R0603	2
330R	0603 Resistor	R?	R0603	330R_R0603	1
560R	0603 Resistor	R?	R0603	560R_R0603	4
Res3	Resistor	R?	RESC1608L	Res3	1
3k3	RES 3.3K OHM 1/10W 5% 0603 SMD	R??	0603	RS_3k3 0603	1
10k	RES 10.0K OHM 1/10W 1% 0603 SMD	R??	0603	RS_10k 0603	2
30k	RES 30K OHM 1/10W 1% 0603 SMD	R??	0603	RS_30k 0603	1
SW-PB	Switch	RESET?	SPST-2	SW-PB	1
AT91SAM7X256-AU	Smart ARM Microcontroller, ARM7TDMI 32-Bit RISC CPU, 256KB Flash and 64KB SRAM, 100-Pin LQFP, Industrial, Pb-Free	U?	LQFP100_N	AT91SAM7X256-AU	4
ATA6660		U?	SOIC127P600X150-8N	ATA6660	1
TPS7A6033-Q1		U?		TPS7A6033-Q1	1
TPS7A6050-Q1		U?		TPS7A6050-Q1	1
TSP7A4901		U?		TSP7A4901	1
USB	USB Type B connect	USB?	USB-B	USB-B	1