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### Page 2 - MCU

MCU, Boot Options, Coin Battery  
SPIFI Data Flash, JTAG

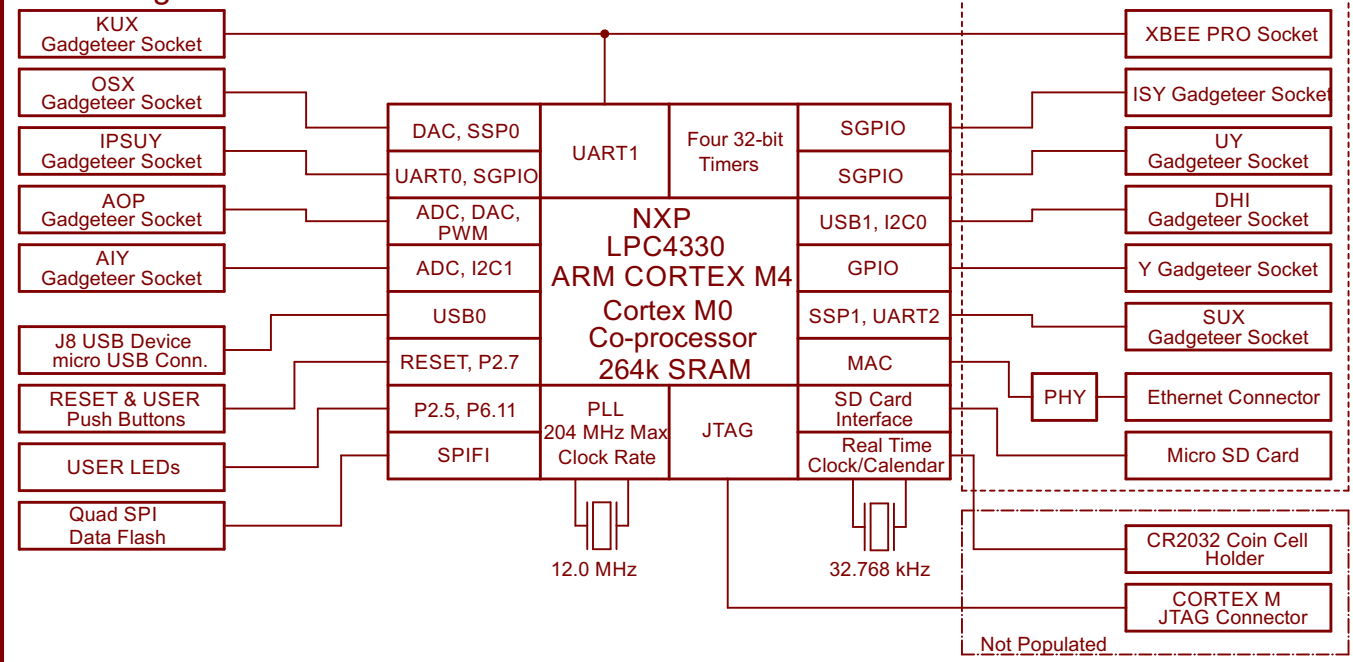
### Page 3 - BASE

Gadgeteer Sockets, User LEDs,  
User Push Button, Reset Push Button,  
USB Device Port, 3.3V Power Supply

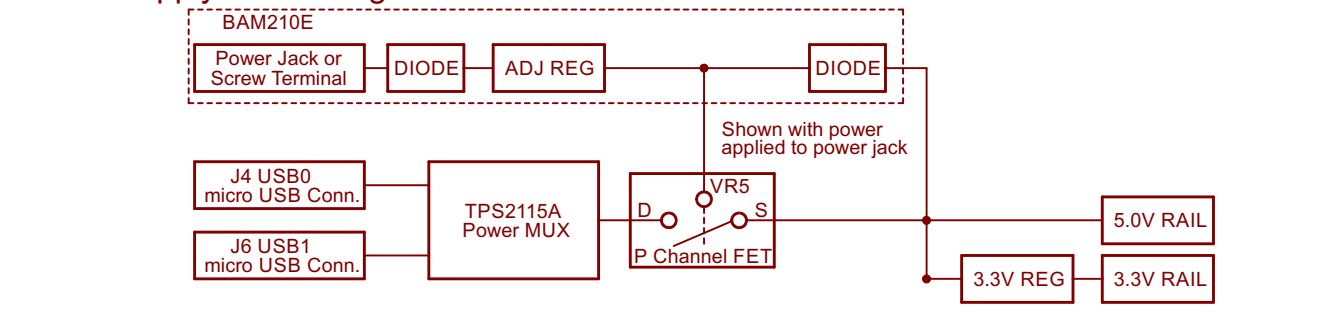
### Page 4 - BAM200E

Gadgeteer Sockets, Ethernet  
XBEE Interface, MicroSD Card  
5.0V Power Supply

## Block Diagram



## Power Supply Block Diagram



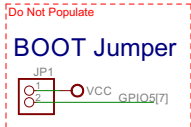
Revision	Changes	Page
B	Corrected Boot mode pins, added ground test point, changed pin 5 of socket 3 to ADC0_2 from ADC0_0, added trace for debugging, changed SSP1_CLK from PF_4 to CLK0, added USB1 micro SD connector and USB power mux	

ISSUE			MICROMINT LLC		www.micromint.com	
REV	DATE	APPROVED	DRAWN	TITLE		
A	5/10/13	P. CHAMPAGNE	PJC	Block Diagram		
B	6/12/13	P. CHAMPAGNE	CHECKED	DATE	DRG No	
			PJC	6/12/13	BAM200	
			Approved	FILE: BAM200-B	PAGE: 1/4	



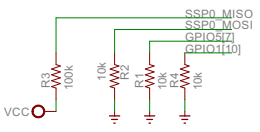
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**BOOT Jumper**

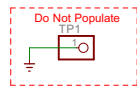
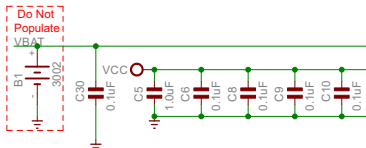
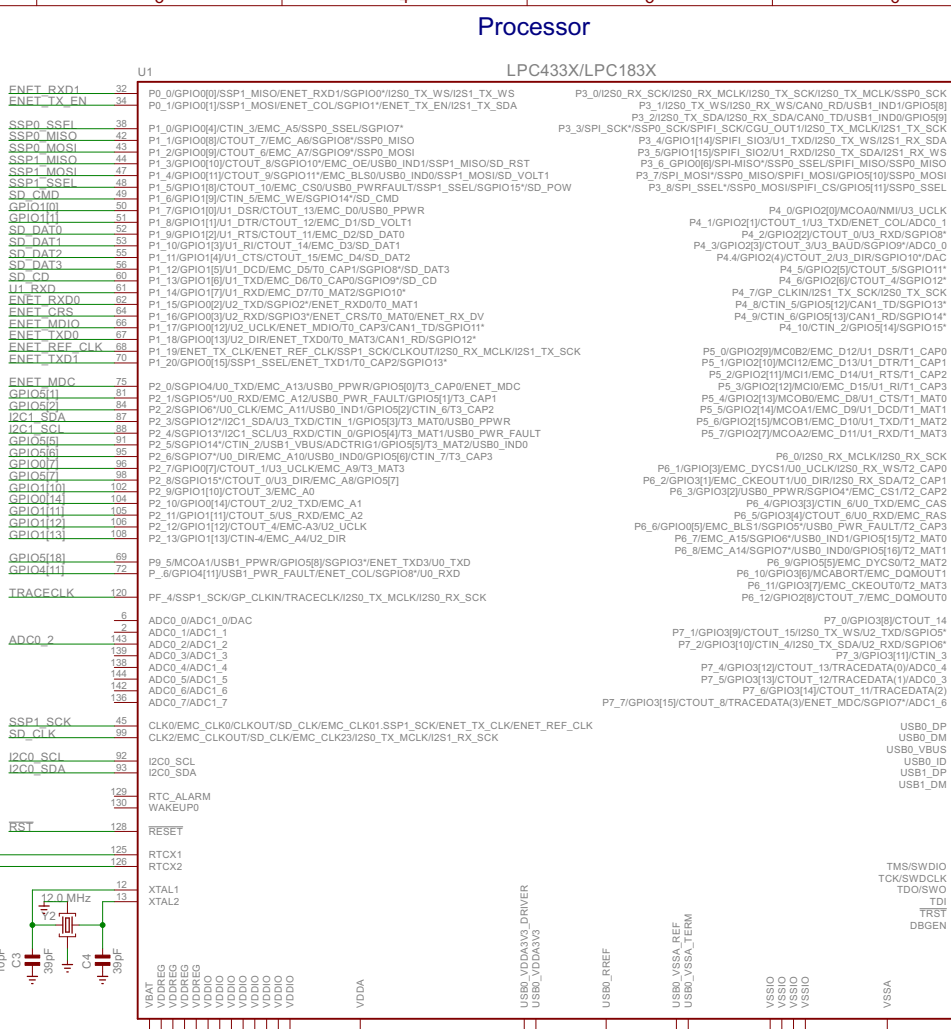
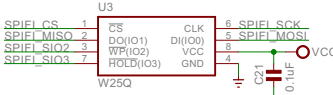
Device	JP1
SPIFI Flash	OFF
USB Device	ON



**BOOT Pins**

Device	BOOT3	BOOT2	BOOT1	BOOT0
SPIFI Flash	0	0	0	1
USB Device	0	1	0	1

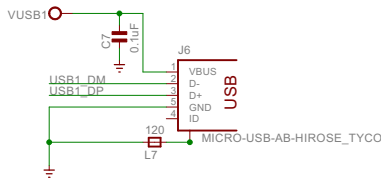
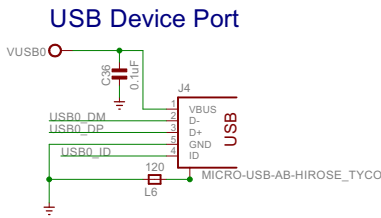
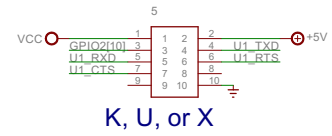
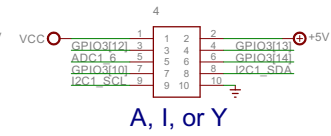
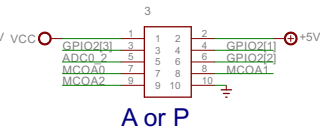
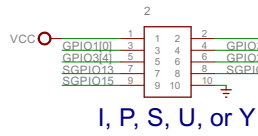
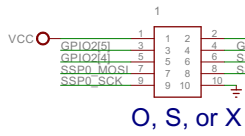
**SPIFI Data Flash**



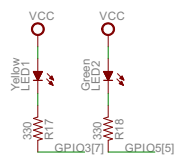
ISSUE	<b>Micromint</b> LLC	www.micromint.com	
DRAWN	TITLE		REV
PJC	MCU, Boot Options, Coin Battery		B
CHECKED	DATE	DRG N°	
PJC	6/12/13	BAM200	
Approved	FILE: BAM200-B	PAGE: 2/4	

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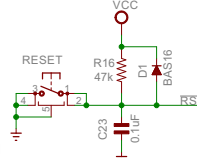
### Gadgets Socket



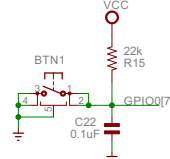
### User LEDs



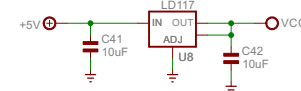
### Reset



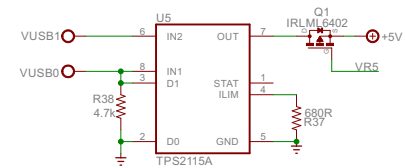
### User Push Button



### Power Supply



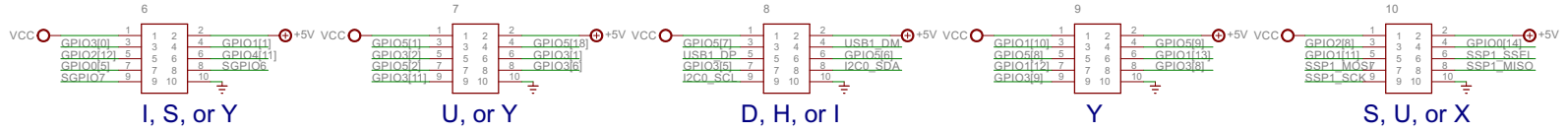
### USB Power MUX



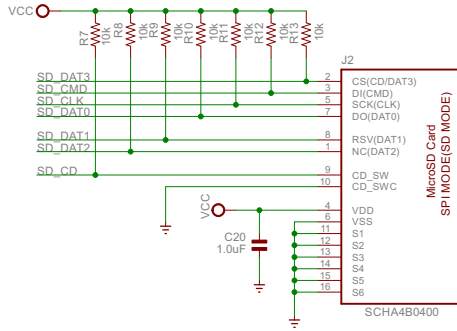
ISSUE	 LLC	www.micromint.com	
DRAWN	TITLE		REV
PJC	Gadgets Sockets, LEDs, PB, USB Device		B
CHECKED	DATE		DRG N°
PJC	6/12/13		BAM200
Approved	FILE: BAM200-B		PAGE: 3/4

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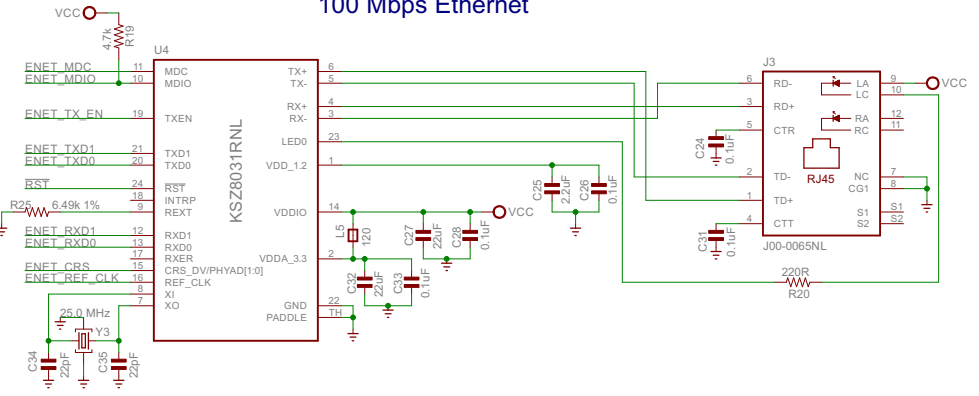
### Gadgets Sockets



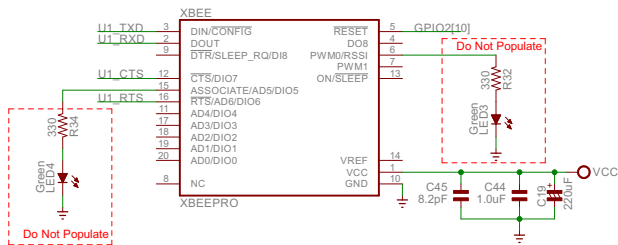
### Micro SD Card



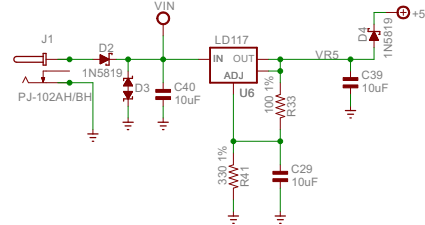
### 100 Mbps Ethernet




### XBEE Interface



### Power Supply 7 - 15 VDC



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DRAWN	TITLE		REV
PJC	BAM200E		B
CHECKED	DATE		DRG No
PJC	6/12/13		BAM200
Approved	FILE: BAM200-B		PAGE: 4/4