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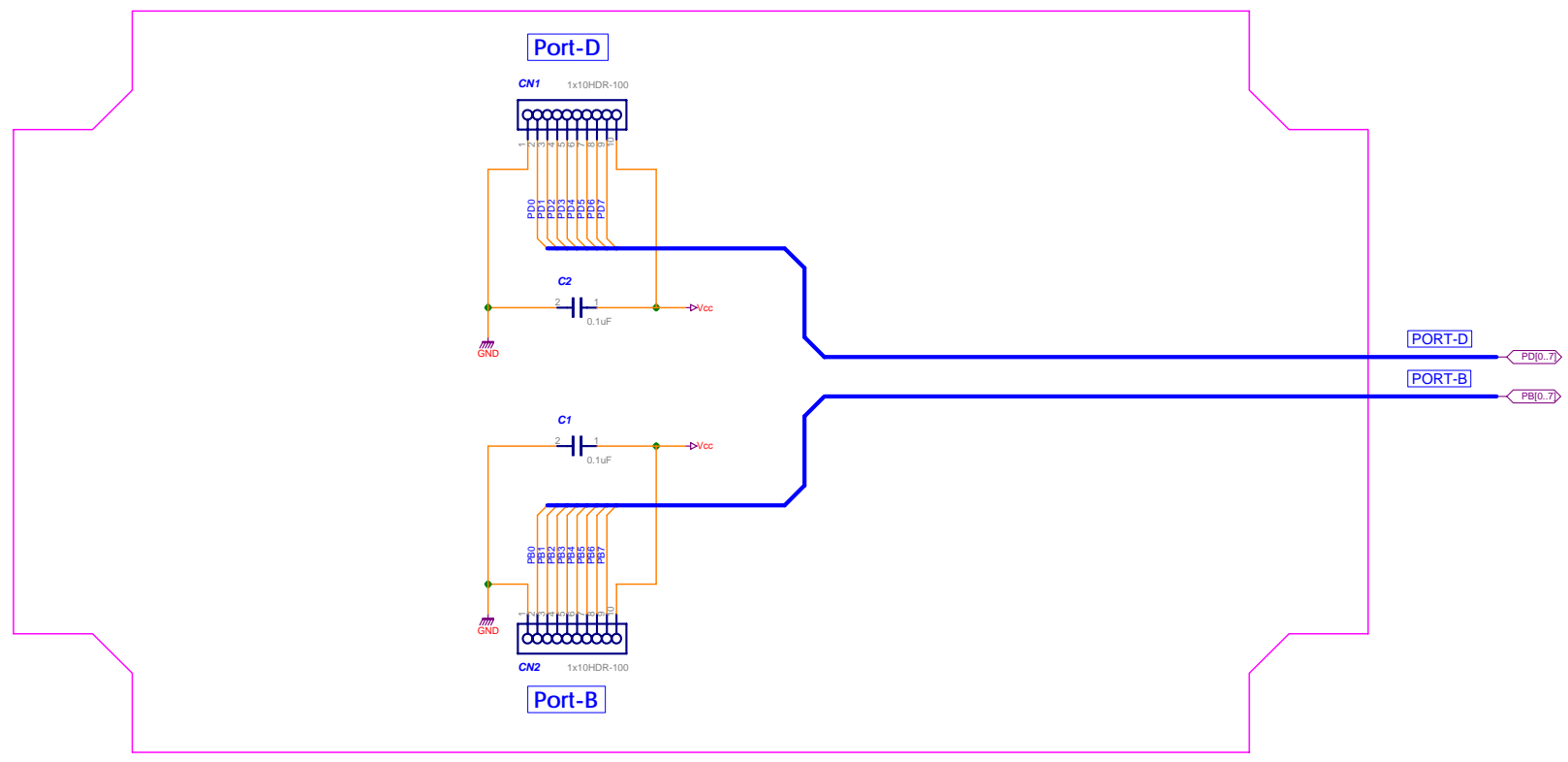
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NANDethno Pocket Expansion Type-F (ALL)

STUDIO NAND		NAND
Pocket Expansion Type-F		
Creation Date	2011/12/08	
Sheet Size A2	Modified Date	2011/12/08
		A

1	GND
2	PA0(A00)
3	PA1(A01)
4	PA2(A02)
5	PA3(A03)
6	PA4(A04)
7	PA5(A05)
8	PA6(A06)
9	PA7(A07)
10	Vcc

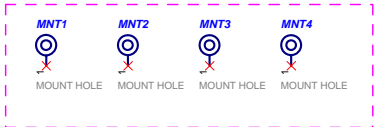


1	GND
2	PE1RXD0(PD0)
3	PE1TXD0(PD0)
4	PE2XC0(AIN0)
5	PE3XC3(AIN1)
6	PE4OC3B(INT4)
7	PE5OC3C(INT5)
8	PE6T3(INT6)
9	PE7IC3(INT7)
10	Vcc

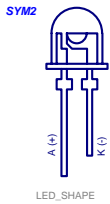
NANDethno Pocket Expansion Type-F (1/3)

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Mounting Holes



P0	2313/Mega8(88/168/328)	ATmega128
P1		P0 PD0(SCL)
P2	PC2(PCINT1)	P2 PD2(INT2)
P3	PC3(PCINT12)	P3 PD3(INT3)
P4	PC4(SDA)	
P5	PC5(SCL)	

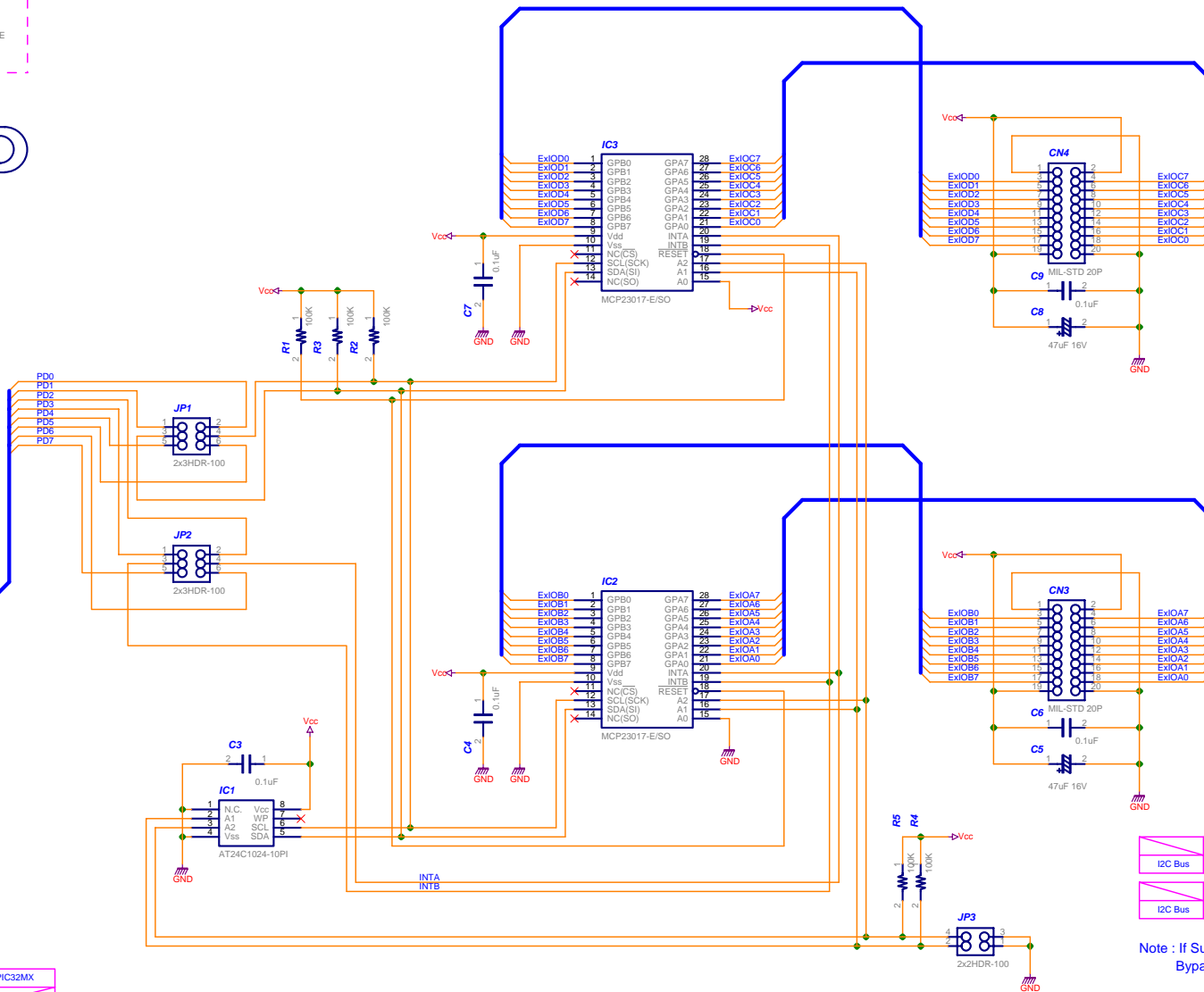
P0	MEGA1280/2560	
P1	PE0(RxD0) PH0(RxD2) PJ0(RxD3)	
P2	PD2(RxD1)	
P3	PD3(TxD1)	
P4		
P5		

P0	ATmega64A1(128A1/192A1/384A1)	PIC32MX
P1	PC0(SDA) PD0(SDA) PE0(SDA) PF0(SDA)	P1
P2	PC1(SCL) PD1(SCL) PE1(SCL) PF1(SCL)	P2
P3		P3
P4		P4
P5		P5

P0	
P1	RF2(RxD1)
P2	RF3(TxD1)
P3	RF4(SDA2)
P4	
P5	RF5(SCL2)

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NANDethno Pocket Expansion Type-F (2/3)



Extended I/O #2

GND	1	2	VCC
ExIOD0	3	4	ExIOC7
ExIOD1	5	6	ExIOC6
ExIOD2	7	8	ExIOC5
ExIOD3	9	10	ExIOC4
ExIOD4	11	12	ExIOC3
ExIOD5	13	14	ExIOC2
ExIOD6	15	16	ExIOC1
ExIOD7	17	18	ExIOC0
VCC	19	20	GND

Extended I/O #1

GND	1	2	VCC
ExIOB0	3	4	ExIOA7
ExIOB1	5	6	ExIOA6
ExIOB2	7	8	ExIOA5
ExIOB3	9	10	ExIOA4
ExIOB4	11	12	ExIOA3
ExIOB5	13	14	ExIOA2
ExIOB6	15	16	ExIOA1
ExIOB7	17	18	ExIOA0
VCC	19	20	GND

	Push-Pull Outputs	Open-Drain Outputs
I2C Bus	MCP23017-E/SO	MCP23018-E/SO
	256Kbit	512Kbit
I2C Bus	AT24C256	AT24C512
		1Mbit
		AT24C1024

Note : If Supply voltage (Vcc) is 3.3V, optional circuit is not required. Bypass TxD/RxD signals with using JP4.

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Pocket Expansion Type-F

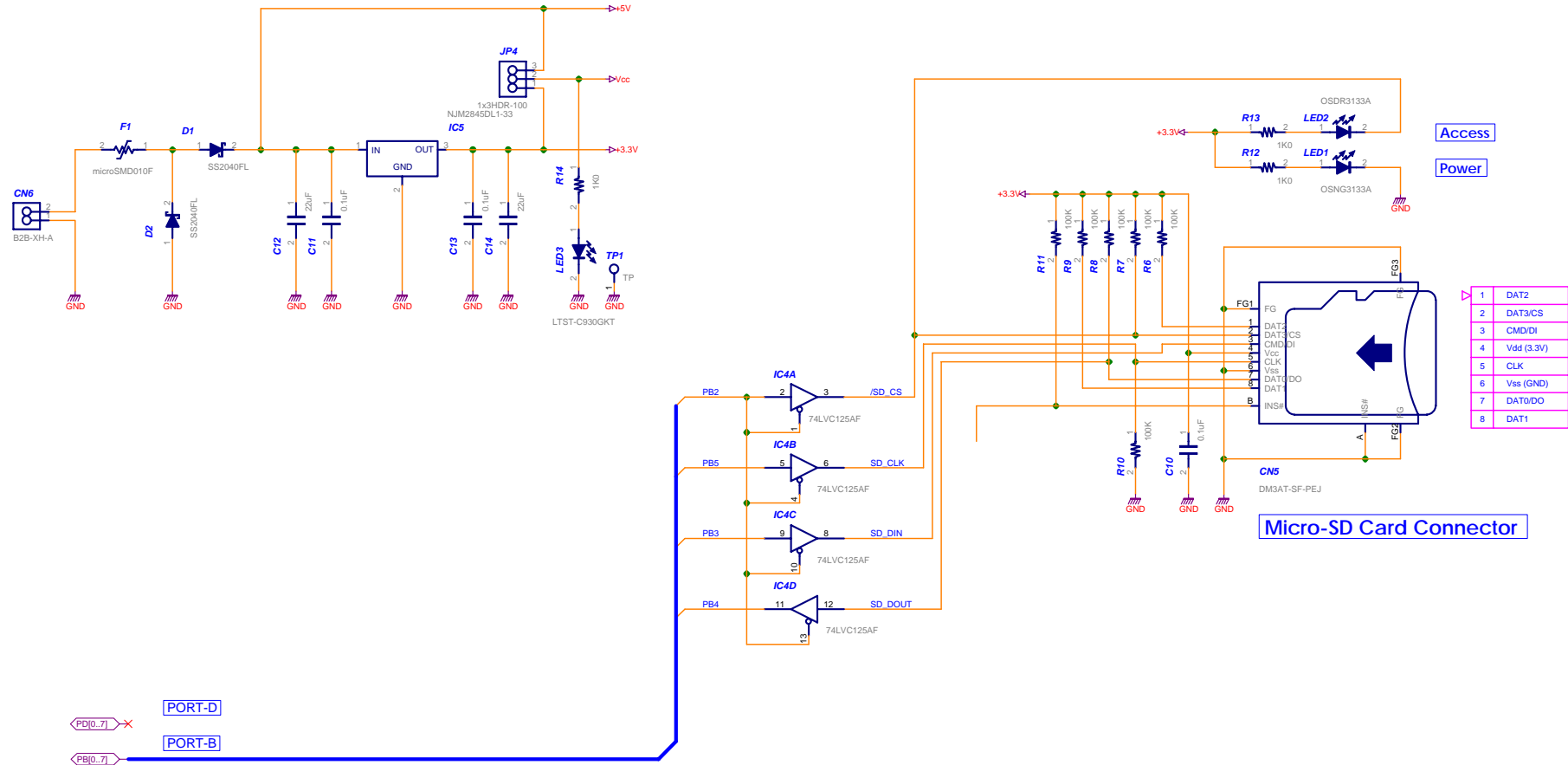
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*** 3.3V LDO Regulator IC Selection Guide ***

Order Part Number	Dropout Voltage	Output Current	MAX. Input Voltage
LT1129CST-3.3#PBF	400mV	700mA	+/-30V
LT1129IST-3.3#PBF	400mV	700mA	+/-30V
LT1963EST-3.3#PBF	340mV	1.5A	+/-20V
LT1963AEST-3.3#PBF	340mV	1.5A	+/-20V

JP2 Setting	Supply Voltage (Vcc)
	5V (USBPWR) 3.3V Reg. required
	3.3V 3.3V Reg. not required



NANDethno Pocket Expansion Type-F (3/3)

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