

ATMEGA324P-AU

Port A

PA0(ADC0/PCINT0)
PA1(ADC1/PCINT1)
PA2(ADC2/PCINT2)
PA3(ADC3/PCINT3)
PA4(ADC4/PCINT4)
PA5(ADC5/PCINT5)
PA6(ADC6/PCINT6)
PA7(ADC7/PCINT7)

Pins 37-30

IC1A

Port B

PB0(XCK0/T0/PCINT8)
PB1(T1/CLK0/PCINT9)
PB2(AIN0/INT2/PCINT10)
PB3(AIN1/OC0A/PCINT11)
PB4(SS/OC0B/PCINT12)
PB5(MOSI/ICP3/PCINT13)
PB6(MISO/OC3A/PCINT14)
PB7(SCK/OC3B/PCINT15)

Pins 41-44, 1-3

IC1B

Port C

PC0(SCL/PCINT16)
PC1(SDA/PCINT17)
PC2(TCK/PCINT18)
PC3(TMS/PCINT19)
PC4(TDO/PCINT20)
PC5(TDI/PCINT21)
PC6(TOSC1/PCINT22)
PC7(TOSC2/PCINT23)

Pins 19-26

IC1C

See page 2 for DEBUGx wires

Port D

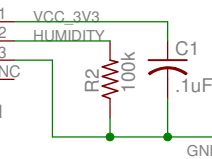
PD0(RXD0/T3/PCINT24)
PD1(TXD0/PCINT25)
PD2(RXD1/INT0/PCINT26)
PD3(TXD1/INT1/PCINT27)
PD4(XCK1/OC1B/PCINT28)
PD5(OC1A/PCINT29)
PD6(ICP/OC2B/PCINT30)
PD7(OC2A/PCINT31)

Pins 9-16

IC1D

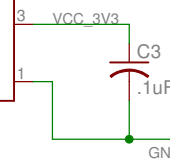
Humidity Sensor

VE+
OUT
VE-
NC
SENS-1



On-Board Temp Sensor--AD

ADT7302
CS VCC
DIN
DOUT
SCLK GND



ATtiny84A: Temperature

Port A

PA0(ADC0/AREF)
PA1(ADC1/AIN0)
PA2(ADC2/AIN1)
PA3(ADC3/TO)
PA4(ADC4/USCK/SCL/T1)
PA5(ADC5/DO/MISO/OC1B)
PA6(ADC6/MOSI/SDA/OC1A)
PA7(ADC7/OC0B/ICP)

IC2A

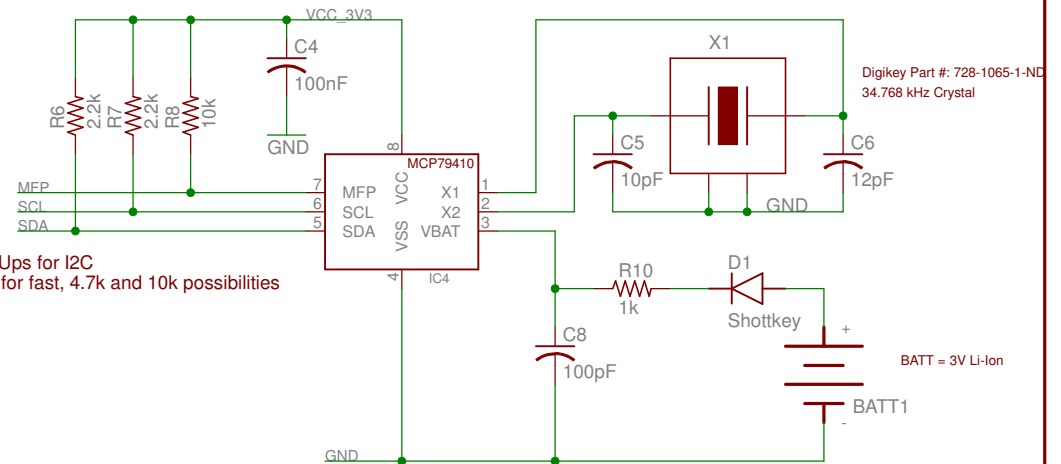
Port B

PB0(XTAL1)
PB1(XTAL2)
PB2(CLKOUT/OC0A/INT0)
PB3(RESET/DW)

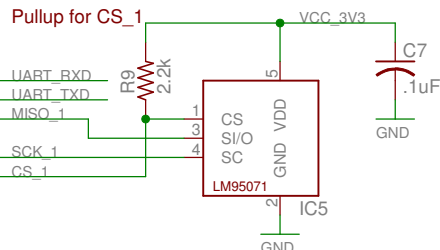
IC2B

CLK: Internal 8MHz

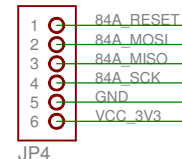
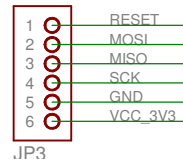
RTC



On-Board Temp Sensor--TI

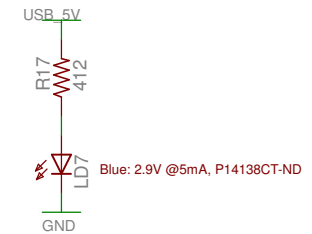
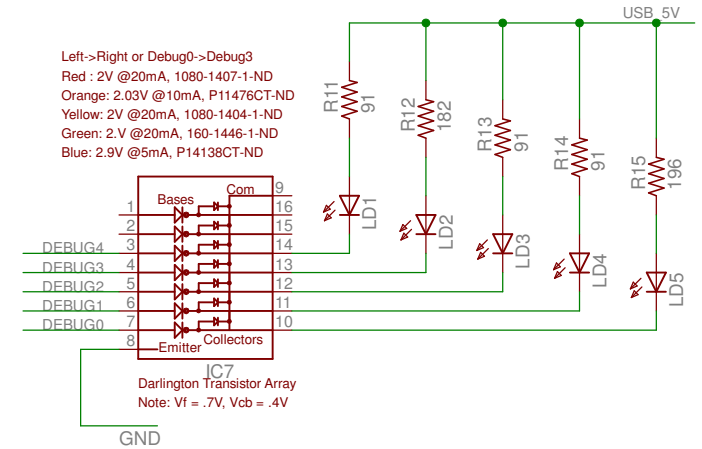


3244P Programmer 84A Programmer



theWeather.system

SHEET: Processing, Temperature, Humidity, RTC		Engineer: TMS
TITLE: theWeather_A		Author: TMS
Doc#:		Rev: A
Date: December 14, 2012		Sheet: 1/2



theWeather.system		Engineer: TMS
SHEET: UART/USB, Power Regulator, LED Arrays, Header to BB		Author: TMS
TITLE: theWeather_â		Rev: A
Doc#:	Date: December 14, 2012	Sheet: 2/2