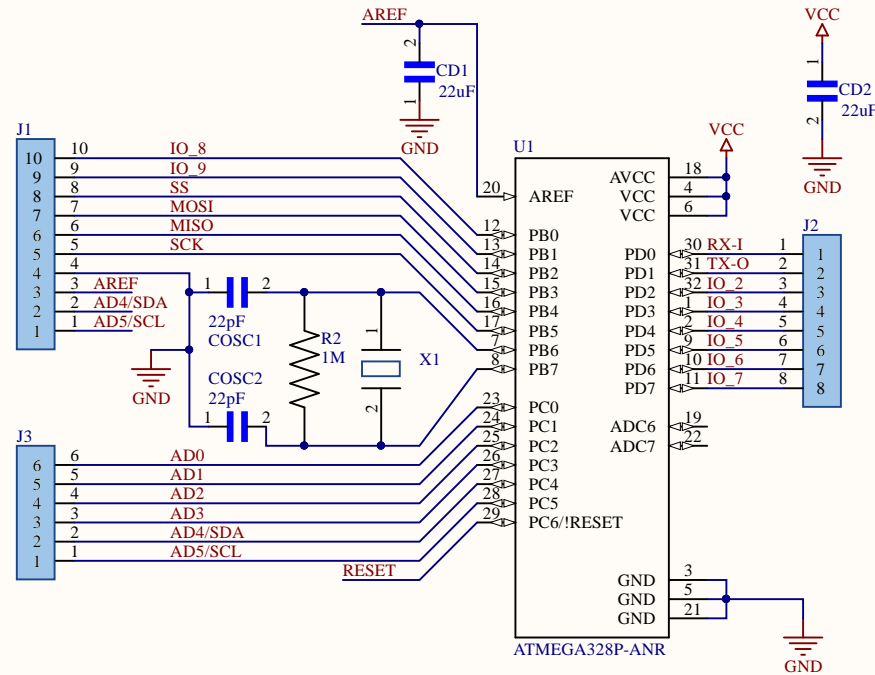
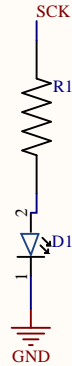
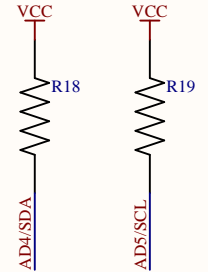


Atmega328

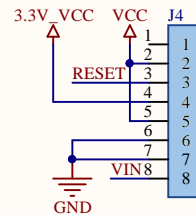
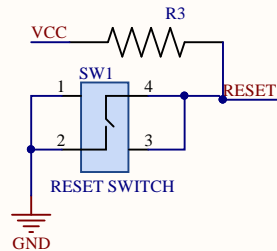


Pull Up Resistors

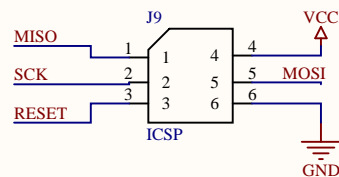
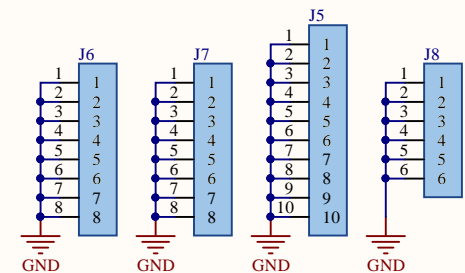


Note : All resistors are of 1K

Reset Network



Return Pins



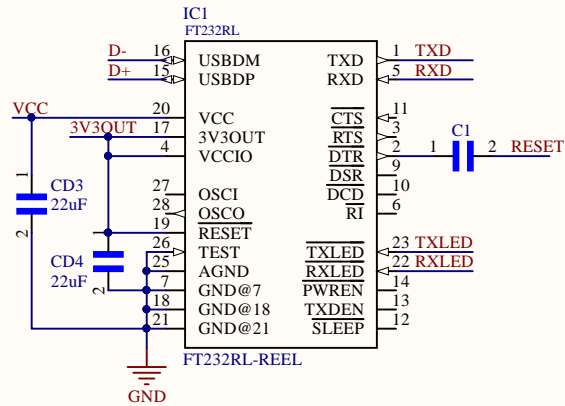
Title **Arduino-UNO | Atmega328**

Team 08 : Gully Gang Boys

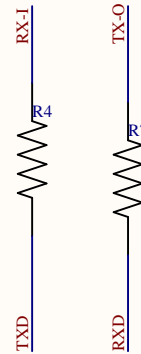
Size A	Number 1	Revision 02
Date: 11/19/2019	Sheet 1 of 4	
File: G:\My Drive\...\Atmega328.SchDoc	Drawn By: Shubham Bhosale & Chinmay Patil	

FTDI Chip (USB-Serial Converter)

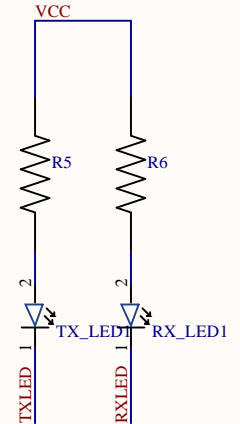
FTDI CHIP



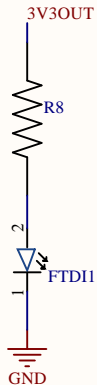
RXD/TXD



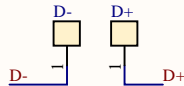
RX/TX LED



LED Indicator to check proper working of FTDI Chip

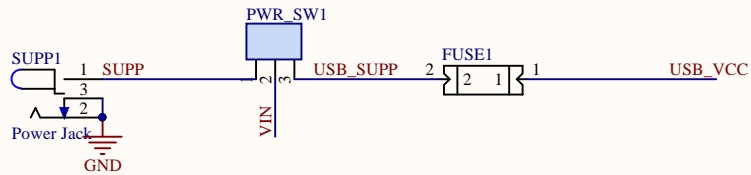


Testpoints

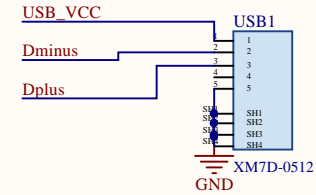


Title Arduino-UNO / FTDI		Team 08 : Gully Gang Boys	
Size A	Number 3	Revision 02	
Date:	11/19/2019	Sheet 3	of 4
File:	G:\My Drive\...\FTDIPin.SchDoc	Drawn By: Shubham Bhosale & Chinmay Patil	

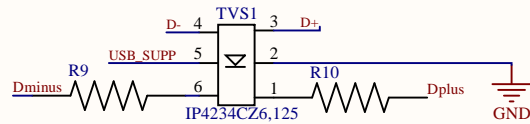
Power Supply



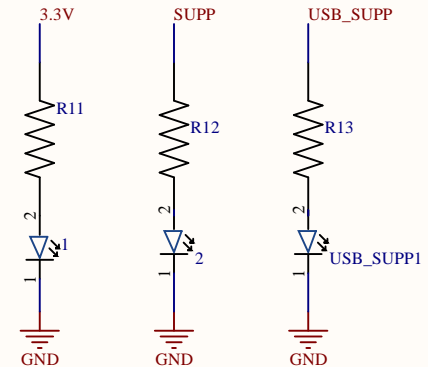
USB Pin



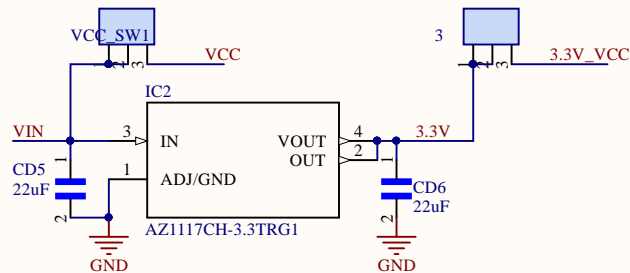
TVS Diode



LED Indicators



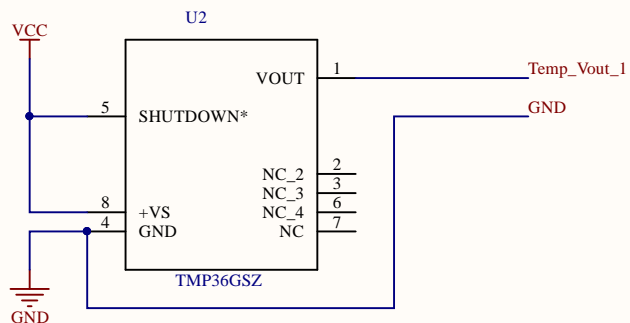
3.3V LDO



Title		Team 08 : Gully Gang Boys	
Size	Number	Revision	
A	2	02	
Date:	11/19/2019	Sheet 2	of 4
File:	G:\My Drive\...\PowerSupply.SchDoc	Drawn By: Shubham Bhosale & Chinmay Patil	

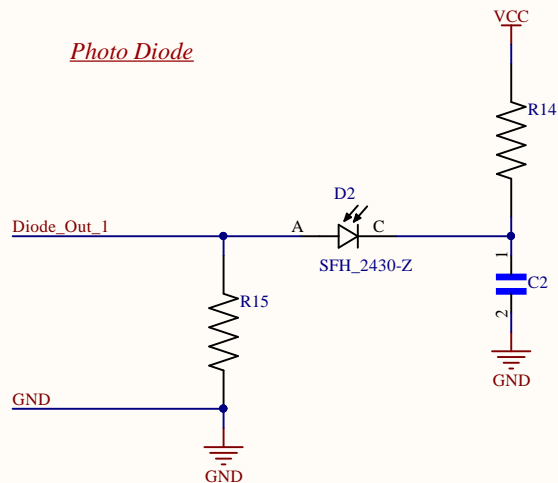
Temperature Sensor

Temp Sensor Chip

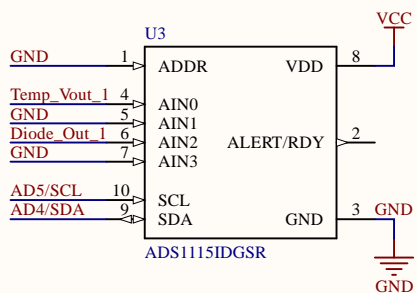


Heart Beat Sensor

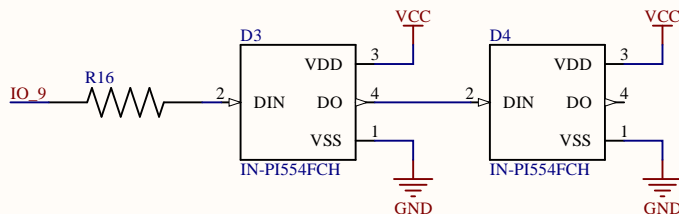
Photo Diode



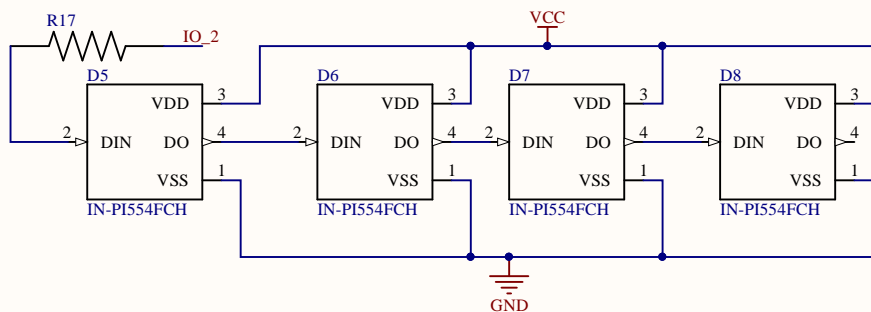
16-Bit ADC



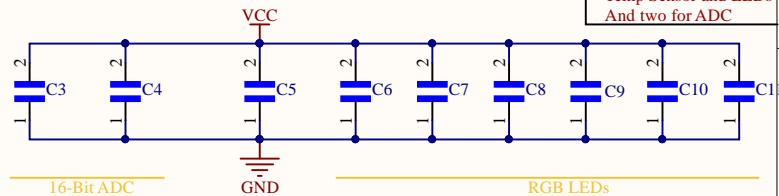
RGB LEDs



Extra RGB LEDs



Decoupling Capacitors



Note:
One each for
Temp Sensor and LEDs
And two for ADC

Title **Arduino-UNO / Sensors**

Team 08 : Gully Gang Boys

Size A

Number 4

Revision 02

Date: 11/19/2019

Sheet 4 of 4

File: G:\My Drive\...\Sensors.SchDoc

Drawn By: Shubham Bhosale & Chinmay Patil

3.54

