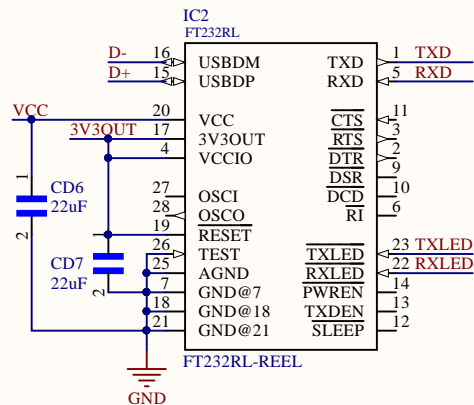
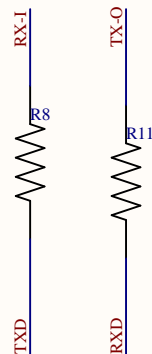


FTDI Chip (USB-Serial Converter)

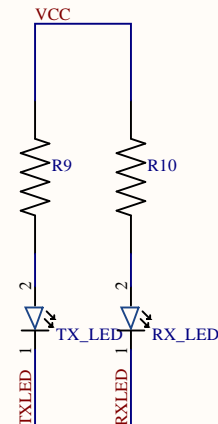
FTDI CHIP



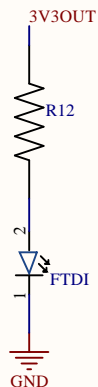
RXD/TXD



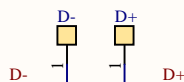
RX/TX LED



LED Indicator to check proper working of FTDI Chip

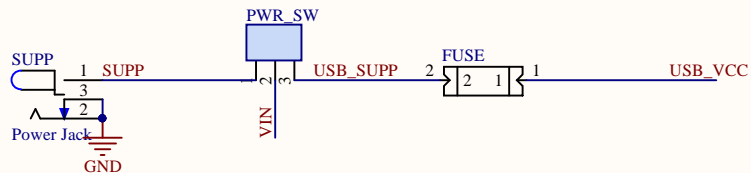


Testpoints

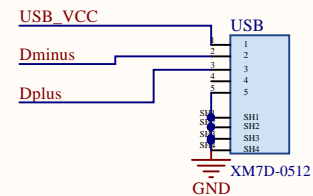


Title		Team 08 : Gully Gang Boys	
Size		Revision	
A		02	
Date:		Sheet 3 of 3	
File:		Drawn By: Shubham Bhosale & Chinmay Patil	

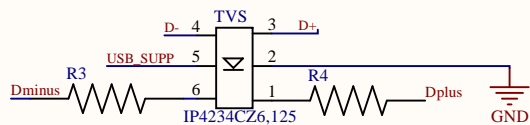
Power Supply



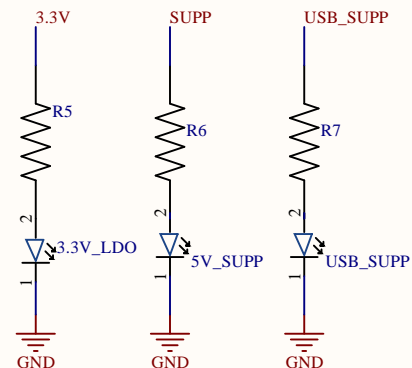
USB Pin



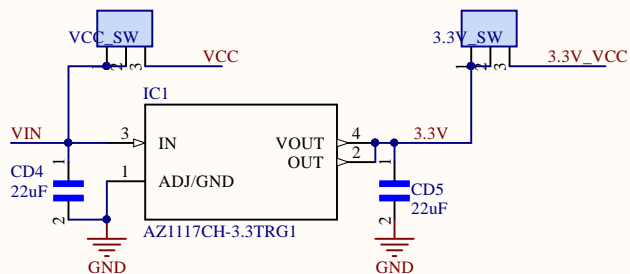
TVS Diode



LED Indicators



3.3V LDO



Title		Team 08 : Gully Gang Boys	
Size	Number	Revision	
A	2	02	
Date:	11/11/2019	Sheet 2	of 3
File:	G:\My Drive\...\PowerSupply.SchDoc	Drawn By: Shubham Bhosale & Chinmay Patil	

- CHINMAY PATIL (MSEE)
- SHUBHAM BHOSALE (MSME)



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USB

FUSE

PWR_SW

SUPP

USB_SUPP

R7

CD4

R6 5V_SUPP

R4

R3

CD5

R2

CD3
RESET

TVS

MS-331

IC1
0.001

CD5

3.3V_SW

IC2

FT232RL

TX_LED

RX_LED

R9

R10

FTDI

ARDUINO
UNO

R8

R11

CD7

R12

CD6

D+

D-

GND
GND
GND
GND
GND
GND
GND
GND

VCC
RESET
3.3V
VCC
GND
GND
GND
Vin

GND
GND
GND
GND
GND
GND
GND
GND

ADD
AD1
AD2
AD3
AD4
AD5

SCK

CD2

U1

R13

ATMEGA328P-ANR

CD1

X1

COSC1

R1

COSC2

AD5/SCL

AD4/SDA

AREF

GND

GND

GND

GND

SCK

GND

MISO

GND

MOSI

GND

SS

GND

IO_9

GND

IO_8

GND

IO_7

GND

IO_6

GND

IO_5

GND

IO_4

GND

IO_3

GND

IO_2

GND

TX-0

GND

RX-1

GND

GND

GND

GND

GND

GND

GND

GND

GND

SKO BUFFS !

ICSP

- CHINMAY PATIL (MSEE)
- SHUBHAM BHOSALE (MSME)



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