





Title		
Vibration Analyzer - MCU Circuit		
Size	Number	Revision
A4	2	v1.0
Date:	4-03-2024	Sheet of
File:	D:\GitHub Projects\...\ATmega.SchDoc	Drawn By: Linuka Ratnayake

J5  
62910416121

Shield  
GND  
D+  
D-  
VBUS

4  
3  
2  
1

R10  
330

J6  
1  
2

D4  
Power LED

R9  
1k

C5  
10uF

C6  
0.1uF

C7  
0.1uF

U2  
FT232RL

15 USBDP TXD  
16 USBDM RXD  
27 OSCI RTS#  
28 OSCO CTS#  
DSR#  
DCD#  
RI#  
8 NC  
24 NC  
19 RESET# TEST  
17 3V3OUT AGND  
4 VCCIO GND  
20 VCC GND

1 TXO  
5 RXI  
3  
11  
2 CTS  
9 DTR  
10  
6

CBUS0  
CBUS1  
CBUS2  
CBUS3  
CBUS4

23  
22  
13  
14  
12

26  
25  
7  
18  
21

R7  
1k

D2  
Red LED

R8  
1k

D3  
Green LED

Title Vibration Analyzer - FTDI Circuit		
Size A4	Number 3	Revision v1.0
Date:	4-03-2024	Sheet of
File:	D:\GitHub Projects\...\FTDI.SchDoc	Drawn By: Sanuja Rupasinghe