





ELECTRODES_2

ELECTRODES_1

R1	C1	BIASINU
R2	C2	BIASIN
R3	C3	IN8N
R4	C4	IN8P
R5	C5	IN7N
R6	C6	IN7P
R7	C7	IN6N
R8	C8	IN6P
R9	C9	IN5N
		IN5P
R10	C10	IN4N
R11	C11	IN4P
R12	C12	IN3N
R13	C13	IN3P
R14	C14	IN2N
R15	C15	IN2P
R16	C16	IN1N
R17	C17	IN1P
R18	C18	SRB1
R19	C19	SRB2

-/+2.5V +3.3V GND

+5V GND

USB PWR

RN42

C33 C34 C35 C27 C28 C29 C26 C25 C36 C37 C32 C22 C24 C23

C48 C40 C41 C49 C43 C42 C31 U3 U4 U6 C38 C39 C47 C51 C52 C53 C54 C57 C55 C44 C45 C46 C56

U1 LED1 R24 C62 C63 R29 R36 DATA

C65 C68 C69 C66 C70 R37 OSC1 R30 R31 C64 C75 C74 C76 C79 C77 C78

ADC_REF GND GPIO [0:4] C82 C84 R32 R33 R34

R21 R22

S2

LED5 C59

LED2 R25

LED3 R26

LED4 R27

C61 R28

S3

C67

C81 X2 C80

C83

FXO-HC73

24C02

SWD

USB PWR

FCI_USB_MicroB

C21
0.1uF
C20
0.1uF

R20
10K

RN42
RN42

C24
10uF
C23
10uF
C22
1uF

U5
TPS73233

C36
10uF
C37
1uF

C26
10uF
J101
100
C31
0.3

U4
TPS6040X

C35
1uF
C34
2.2uF
C33
10uF

C27
1uF
U3
TPS73225

J101
620

J101
620

C43
2.2uF
C42
10uF

U6
TPS72325

C46
2.2uF
C45
1uF
C44
1uF

C47
2.2uF

R21
100
LED5
Blue

R22
10K

C59
0.1uF
C60
2.2uF

LED2
Orange

R25
270

LED3
Green

R26
270

LED4
Blue

R27
100

J101
0.1uF
R28
820

U2
STM32F407

R29
10K
R36
10K
C64
0.1uF

C75
0.1uF
C74
0.1uF

J101
0.1uF
J101
0.1uF
J101
0.1uF
J101
0.1uF

C67
4.7uF

C80
9pF

X2
16.00 MHz

C81
10pF

S3
EUVQ02

C83
0.1uF

SD
DM3CS

R30
47K
R31
47K
C82
0.1uF
C84
0.1uF

R32
47K
R33
47K
R34
47K

OSC
FX0-1C36

R37
10K

C62
1uF
C63
1uF

J101
0.27
J101
0.27

C58
1uF
C57
0.1uF

C70
1uF
C66
100uF
C69
0.1uF
C68
0.1uF

C65
10uF

U1
ADS1299

C40
1uF
C41
0.1uF
C48
1uF
C49
1uF
C50
1uF
C54
0.1uF
C52
0.1uF
C53
0.1uF

R23
1M
C81
1.5nF

R1
4.99K
C1
4.7nF

R2
4.99K
C2
4.7nF

R3
4.99K
C3
4.7nF

R4
4.99K
C4
4.7nF

R5
4.99K
C5
4.7nF

R6
4.99K
C6
4.7nF

R7
4.99K
C7
4.7nF

R8
4.99K
C8
4.7nF

R9
4.99K
C9
4.7nF

R10
4.99K
C10
4.7nF

R11
4.99K
C11
4.7nF

R12
4.99K
C12
4.7nF

R13
4.99K
C13
4.7nF

R14
4.99K
C14
4.7nF

R15
4.99K
C15
4.7nF

R16
4.99K
C16
4.7nF

R17
4.99K
C17
4.7nF

R18
4.99K
C18
4.7nF

R19
4.99K
C19
4.7nF

ELECTRODES_2

ELECTRODES_1