

Input
Signals

[https://github.com/
jelkinsjames/
chameleon-PCB.git](https://github.com/jelkinsjames/chameleon-PCB.git)

Project Mentor:
Dr. Eric Klavins

VINR1
VINL1
VIN1M
VIN1P

[0V, +2.1V] SE
[0V, +4.2V] DIFF

C3
C2
C22
C30

I2C

MDO
AD
SCL
SDA

GPIO

GPIO0
GPIO1
GPIO2
GPIO3

I2S

DOUT
LRCK
BCK
SCKI

SYS_CLK

Artwork by:
Trina Kha

24MHz
Crystal

University of Washington
ENGINE 2023 – Chameleon

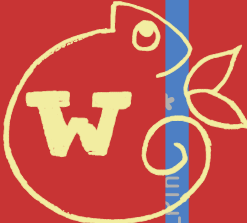
ADC – PCM1863 v.7
Nathan Ford 05/19/2023

+3.3VD
LDO

+3.3VA
LDO

C24
C25

C4
C9



3.3VA
GNDD
LDO
GNDD
5V
GNDD
VREF
GNDA
FB1

Power