REV:
v1.4.0

TITLE: hackeeg-shield

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Sheet: 1/3

Analog-Digital Converter

IC1 ADS1299IPAG

GPIO4 LED
WHITE
D2
R18 270
AGND

VREFP_TEST_POINT
TP4
C22 10uF
C23 0.1uF
AVSS

Power LED
RED
D1
R1 270
DVDD
AGND

ADC Decoupling

C63 0.1uF
C25 100uF
DVDD
AGND

C12 0.1uF
C11 1uF
AVDD
AVSS

C14 0.1uF
C13 1uF
DVDD
AGND

C8 0.1uF
C7 1uF
AVDD
AVSS

C10 0.1uF
C9 1uF
AVDD
AGND

C21 1uF
AUSS
C20 0.1uF
C19
AVSS
C18 1uF
AVSS
C17 100uF
AVSS

R6 3.98K
C66 0.01uF
BIAS_ELEC

C29 1uF
C30 1uF
AVSS
AGND

AVDD_TEST_POINT
TP1
AGND_TEST_POINT
TP3
AVSS_TEST_POINT
TP2

C33 0.1uF

Power

VCC_-5V
C24 10uF
AGND
L3 3.3 uH
C16 10 uF
C15 1uF
AGND

TPS6043DBVT
IC6
OUT
GND
CFLY_P
CFLY_N
C26 1uF
AGND

JP4
5V-2.5V
+2.5V
C6 10uF
AGND
L2 3.3 uH
C5 10 uF
C4 2.2uF
AGND
C32 1uF
AGND

IC3
OUT
IN
EN
GND NR/FB
TPS72325DBVT
C68 1uF
AGND
VCC_-5V_FILTERED

JP5
-2.5V-GND
AGND
-2.5V
C3 10uF
AGND
L1 3.3 uH
C2 10 uF
C1 2.2uF
AGND
C31 0.01uF
AGND

IC2
OUT
IN
EN
GND NR/FB
TPS72325DBVT
C28 2.2uF
AGND
VCC_-5V

L4 3.3 uH
C27 10uF
AGND
VCC_-5V

C65 1uF
C64 10uF
AGND