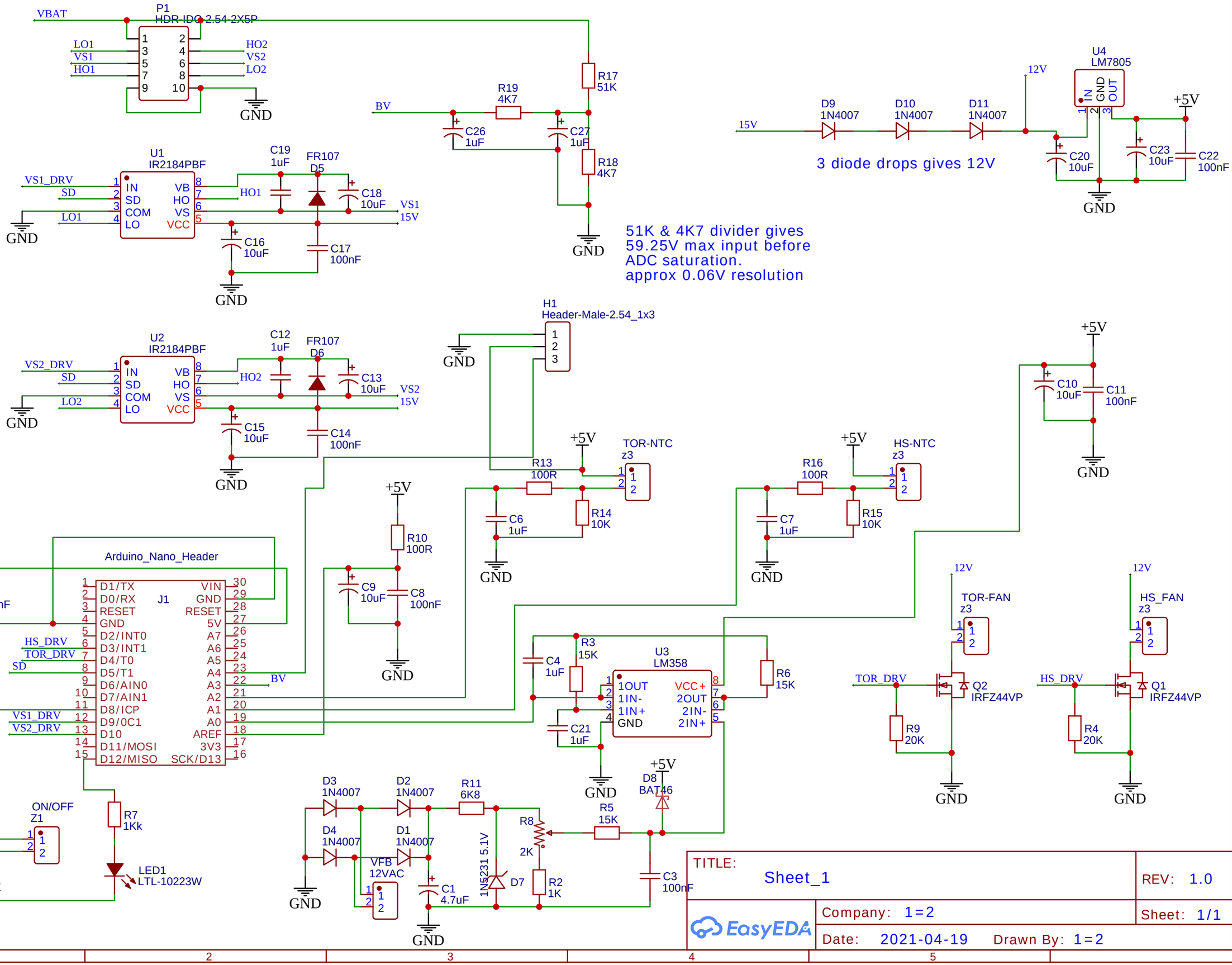
P1
HDR-IDC-2.54-2X5P
VBAT
LO1
VS1
HO1
HO2
VS2
LO2
GND
R17
51K
R19
4K7
BV
C26
1uF
C27
1uF
R18
4K7
U1
IR2184PBF
VS1_DRV
SD
LO1
HO1
C19
1uF
FR107
D5
C18
10uF
VS1
15V
C16
10uF
C17
100nF
U4
LM7805
12V
+5V
D9
1N4007
D10
1N4007
D11
1N4007
15V
C20
10uF
C23
10uF
C22
100nF
3 diode drops gives 12V
51K & 4K7 divider gives
59.25V max input before
ADC saturation.
approx 0.06V resolution
U2
IR2184PBF
VS2_DRV
LO2
HO2
C12
1uF
C13
10uF
VS2
15V
C15
10uF
C14
100nF
H1
Header-Male-2.54_1x3
R13
100R
TOR-NTC
z3
C6
1uF
R14
10K
R10
100R
C9
10uF
C8
100nF
R16
100R
HS-NTC
z3
C7
1uF
R15
10K
C10
10uF
C11
100nF
Arduino_Nano_Header
J1
D1/TX
D0/RX
RESET
GND
D2/INT0
D3/INT1
D4/T0
D5/T1
D6/AIN0
D7/AIN1
D8/ICP
D9/0C1
D10
D11/MOSI
D12/MISO
VIN
GND
RESET
5V
A7
A6
A5
A4
A3
A2
A1
A0
AREF
3V3
SCK/D13
HS_DRV
TOR_DRV
SD
BV
VS1_DRV
VS2_DRV
C2
10uF
C5
100nF
R12
1K
ON/OFF
Z1
R1
10K
R7
1Kk
LED1
LTL-10223W
C4
1uF
R3
15K
U3
LM358
1OUT
1IN-
1IN+
GND
VCC+
2OUT
2IN-
2IN+
C21
1uF
R6
15K
R5
15K
D8
BAT46
C3
100nF
D3
1N4007
D2
1N4007
D4
1N4007
D1
1N4007
R11
6K8
R8
2K
R2
1K
D7
1N5231 5.1V
VFB
12VAC
C1
4.7uF
TOR-FAN
z3
HS_FAN
z3
R9
20K
R4
20K
Q2
IRFZ44VP
Q1
IRFZ44VP
TITLE:
Sheet_1
REV: 1.0
Company: 1=2
Sheet: 1/1
Date: 2021-04-19
Drawn By: 1=2
EasyEDA