



Programming and Debug Hardware

J3
Conn_01x06

J4
USB_B_Micro

Shield
GND
D+
D-
ID

USB_CONN_D+
USB_CONN_D-
USB_CONN_D+
USB_CONN_D+

U14
USBLC6-25C6

GND

Sensing

U13
LT1787HVIMS8PBF

FIL+
VS-
DNC
VEE

FIL-
VS+
VBIAS
VOUT

1
2
3
4
8
7
6
5

C14
0.1uF

VSENSE_LOW
VSENSE_HIGH
L_SENSE_BIAS
R_Small
C15
0.1uF
GND

U15
STLM20DD9FUDFN-4L-STM-L

VOUT
NC
VCC
GND

1
2
3
4

MOSFET_TEMP

+3.3V

C16
0.1uF
GND

R16
3M, 1%

R18
200k, 1%

C17
0.01uF

+24V

24V_SENSE

GND

R17
3M, 1%

R19
200k, 1%

C18
0.01uF

+VSW

VSW_SENSE

GND

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https://github.com/0xJeremy/Icarus

ICARUS

Sheet: /
File: icarus.sch

Title: Icarus Power Distribution Board

Size: User Date: 2021-03-05 Rev: v1.0
KiCad E.D.A. kicad 5.1.6-c6e7f7d87ubuntu19.10.1 Id: 1/1