Look at Connor's 5V converter board to check component ratings, etc.

Check capacitor voltage ratings!!!

Check regulator is correct voltage

+5V
J2
5V
GND

+48V +12V
C4
4.7uF
GND

U3
LTC7103-LT7103
32 VIN   BOOST 27
31 VIN   SW 26
30 VIN   SW 25
                 SW 24
3 RUN   Vfb 10
16 Ictrl   EXTVcc 20
7 OVLO   Imon 13
18 Vprg1   CLKOUT 17
19 Vprg2   PGOOD 14
12 PLLIN/MODE   Ith 9
11 FREQ   INTVcc 21
8 Rind
15 SS
SGND
6   PGND PGND PGND
    35 36 37
GND

C8
.1uF
L2
33uH
+5V
C13
22uF
GND

C10
2.2nF
C11
100pF
R10
5.11k
GND
C7
1uF

R7
100k

+5V
LD1117S33TR_SOT223
U1
+3.3V
3 VI VO 2
GND
1
C1
10uF
GND
C2
10uF
GND

DO NOT CONNECT 12V AND 48V SIMUTANIOUSLY!!!!

48V +12V
C3
4.7uF
GND

+12V
J3
Barrel_Jack
Power

U2
LTC7103-LT7103
32 VIN   BOOST 27
31 VIN   SW 26
30 VIN   SW 25
                 SW 24
3 RUN   Vfb 10
16 Ictrl   EXTVcc 20
7 OVLO   Imon 13
18 Vprg1   CLKOUT 17
19 Vprg2   PGOOD 14
12 PLLIN/MODE   Ith 9
11 FREQ   INTVcc 21
8 Rind
15 SS
SGND
6   PGND PGND PGND
    35 36 37
GND

C6
1uF
L1
33uH
C12
22uF
GND

R8
4.02k

C5
1uF
C9
10pF

D1
+5V R1 LED
R_Small
+3.3V R2 LED
R_Small
+48V R3 LED
R_Small
D3
LED
Power Indicators
GND
D2

48V_IN
U4
INA240-INA240
1 NC   OUT 8
+48V 2 IN+ REF1 7
R11 3 IN- REF2 6
1m 4 GND   Vs 5
CURRENT_MEASURE
+3.3V
C14
C_Small
GND
GND
PW PACKAGE!

This will need to be modified since surface
input is on conversion board

J6
Power_Connector
+48V
+24V
+5V
+3.3V
1 8
2 7
3 6
4 5
GND

+48V
J10
48V_from_conversion
No ground on this connector
is intentional

+24V
J9
24V_from_conversion
+24V
1 5
2 6
3 7
4 8
GND

+24V
J7
MOTOR_1
1
2
GND

+24V
J11
MOTOR_2
1
2
GND

+24V
J13
MOTOR_3
1
2
GND

+24V
J15
MOTOR_4
1
2
GND

+24V
J8
MOTOR_5
1
2
GND

+24V
J12
MOTOR_6
1
2
GND

+24V
J14
MOTOR_7
1
2
GND

+24V
J16
MOTOR_8
1
2
GND

check current rating on headers!

SWITCH_A 1
SWITCH_B 2
SWITCH_C 3
SWITCH_D 4
J5
Switch_Input
5
GND

+48V
J4
1
2 Switch_A
J17
1
2 Switch_B
J18
1
2 Switch_C
J19
1
2 Switch_D

SWITCH_A Q1 SWITCH_B Q2 SWITCH_C Q3 SWITCH_D Q4
Q_NMOS_GDS Q_NMOS_GDS Q_NMOS_GDS Q_NMOS_GDS
R4   R5   R6   R9
10k   10k   10k   10k
GND

Unnessesary