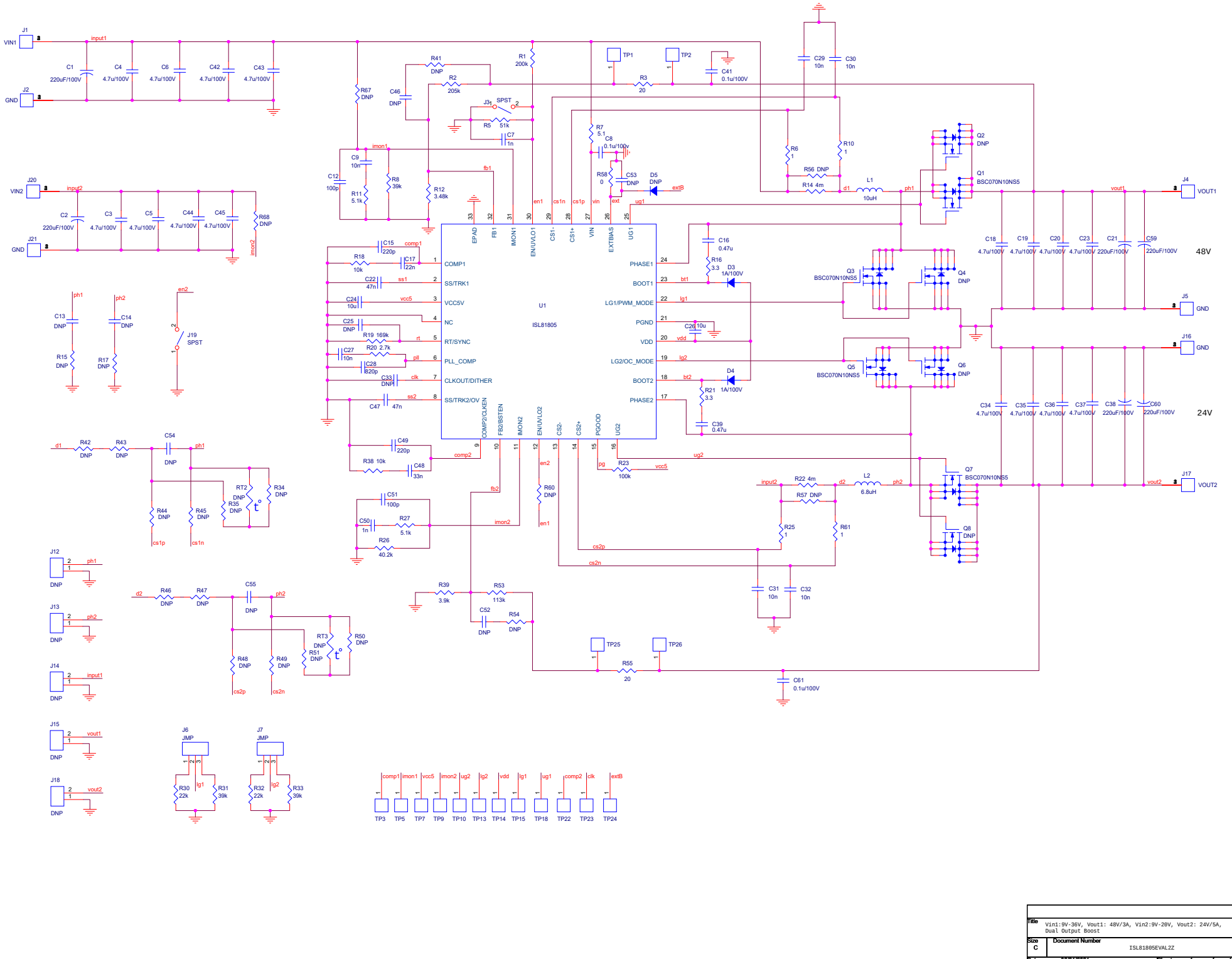
U1
ISL81805
COMP1
SS/TRK1
VCC5V
NC
RT/SYNC
PLL_COMP
CLKOUT/DITHER
SS/TRK2/OV
EPAD
FB1
IMON1
EN/UVLO1
CS1-
CS1+
VIN
EXTBIAS
UG1
PHASE1
BOOT1
LG1/PWM_MODE
PGND
VDD
LG2/OC_MODE
BOOT2
PHASE2
COMP2/CLKEN
FB2/BSTEN
IMON2
EN/UVLO2
CS2-
CS2+
PGOOD
UG2
VIN1
VIN2
GND
VOUT1
VOUT2
48V
24V
BSC070N10NS5
L1
10uH
L2
6.8uH
D3
D4
1A/100V
J19
SPST
J3
SPST
J6
JMP
J7
JMP
Title
Vin1:9V-36V, Vout1: 48V/3A, Vin2:9V-20V, Vout2: 24V/5A,
Dual Output Boost
Size
C
Document Number
ISL81805EVAL2Z
Rev
B
Date:
02/01/2021
Sheet
1
of
1