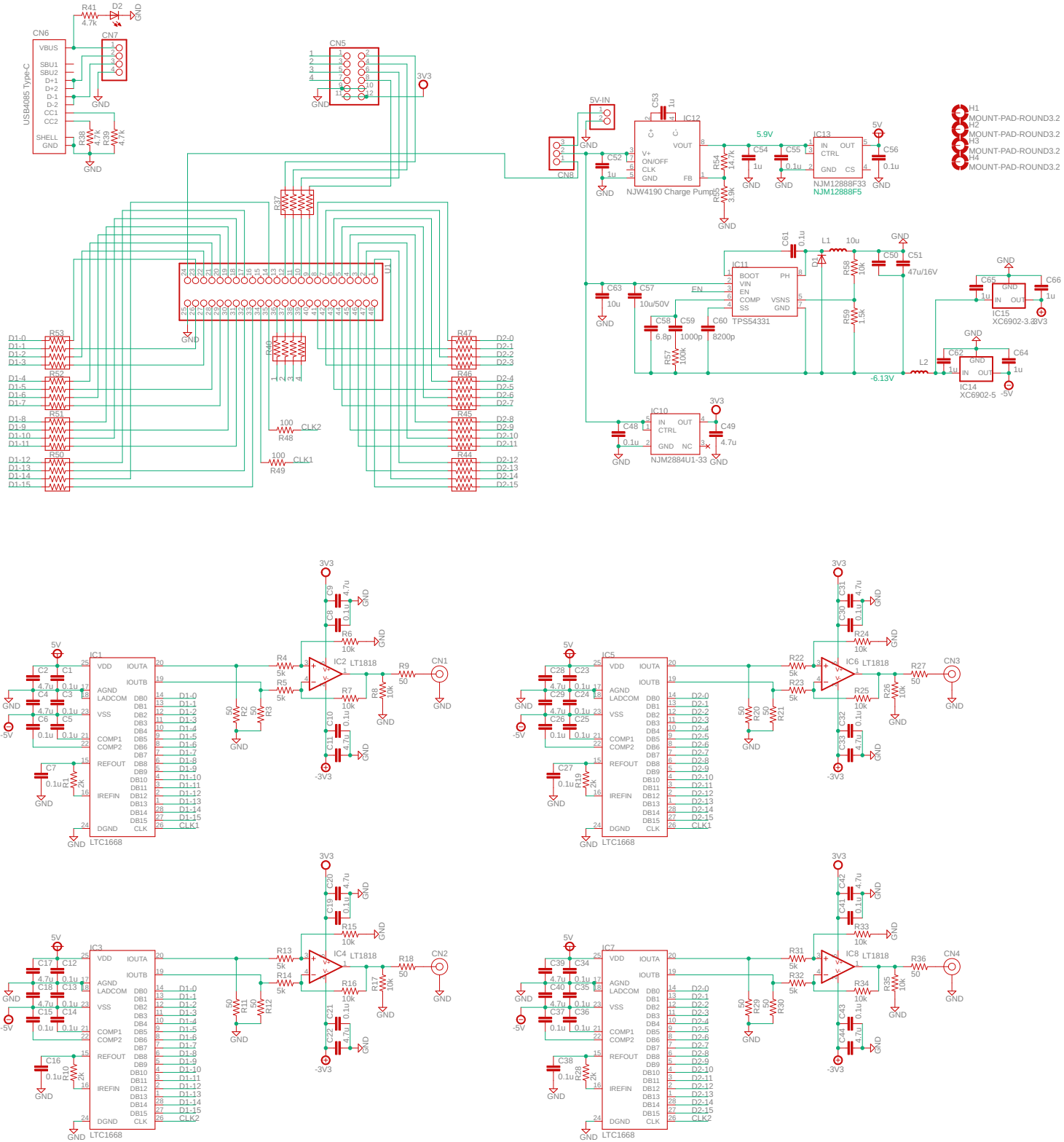
CN6
USB4085 Type-C
VBUS
SBU1
SBU2
D+1
D+2
D-1
D-2
CC1
CC2
SHELL
GND
R41 4.7k
D2
CN7
R38 4.7k
R39 4.7k
CN5
3V3
5V-IN
CN8
C53 1u
IC12
NJW4190 Charge Pump
VOUT
V+
ON/OFF
CLK
FB
C52 1u
R54 14.7k
R55 3.9k
5.9V
C54 1u
C55 0.1u
IC13
NJM12888F33
NJM12888F5
IN
CTRL
OUT
GND
CS
5V
C56 0.1u
H1
H2
H3
H4
MOUNT-PAD-ROUND3.2
R37
U1
R40
R48 100 CLK2
R49 100 CLK1
D1-0
D1-1
D1-2
D1-3
D1-4
D1-5
D1-6
D1-7
D1-8
D1-9
D1-10
D1-11
D1-12
D1-13
D1-14
D1-15
R53
R52
R51
R50
R47
R46
R45
R44
D2-0
D2-1
D2-2
D2-3
D2-4
D2-5
D2-6
D2-7
D2-8
D2-9
D2-10
D2-11
D2-12
D2-13
D2-14
D2-15
C61 0.1u
L1 10u
D1
R68 10k
C50
C51
47u/16V
IC11
BOOT
VIN
EN
COMP
SS
PH
VSNS
TPS54331
C63 10u
C57 10u/50V
FN
C58 6.8p
C59 1000p
C60 8200p
R57 100k
R69 1.5k
-6.13V
L2
C65 1u
C66 1u
IC15
XC6902-3.3
3V3
C62 1u
C64 1u
IC14
XC6902-5
-5V
C48 0.1u
IC10
NJM2884U1-33
C49 4.7u
IC1
LTC1668
VDD
IOUTA
IOUTB
AGND
LADCOM
VSS
COMP1
COMP2
REFOUT
IREFIN
DGND
CLK
DB0
DB1
DB2
DB3
DB4
DB5
DB6
DB7
DB8
DB9
DB10
DB11
DB12
DB13
DB14
DB15
C2 4.7u
C1 0.1u
C4 4.7u
C3 0.1u
C6 0.1u
C5 0.1u
C7 0.1u
R1 2k
R4 5k
R5 5k
R2 50
R3 50
IC2 LT1818
C9 4.7u
C8 0.1u
R6 10k
R7 10k
R8 10k
C10 0.1u
C11 4.7u
R9 50
CN1
IC5
C28 4.7u
C23 0.1u
C29 4.7u
C24 0.1u
C26 0.1u
C25 0.1u
C27 0.1u
R19 2k
R22 5k
R23 5k
R20 50
R21 50
IC6 LT1818
C31 4.7u
C30 0.1u
R24 10k
R25 10k
R26 10k
C32 0.1u
C33 4.7u
R27 50
CN3
IC3
C17 4.7u
C12 0.1u
C18 4.7u
C13 0.1u
C15 0.1u
C14 0.1u
C16 0.1u
R10 2k
R13 5k
R14 5k
R11 50
R12 50
IC4 LT1818
C20 4.7u
C19 0.1u
R15 10k
R16 10k
R17 10k
C21 0.1u
C22 4.7u
R18 50
CN2
IC7
C39 4.7u
C34 0.1u
C40 4.7u
C35 0.1u
C37 0.1u
C36 0.1u
C38 0.1u
R28 2k
R31 5k
R32 5k
R29 50
R30 50
IC8 LT1818
C42 4.7u
C41 0.1u
R33 10k
R34 10k
R35 10k
C43 0.1u
C44 4.7u
R36 50
CN4
GND
5V
-5V
3V3
-3V3