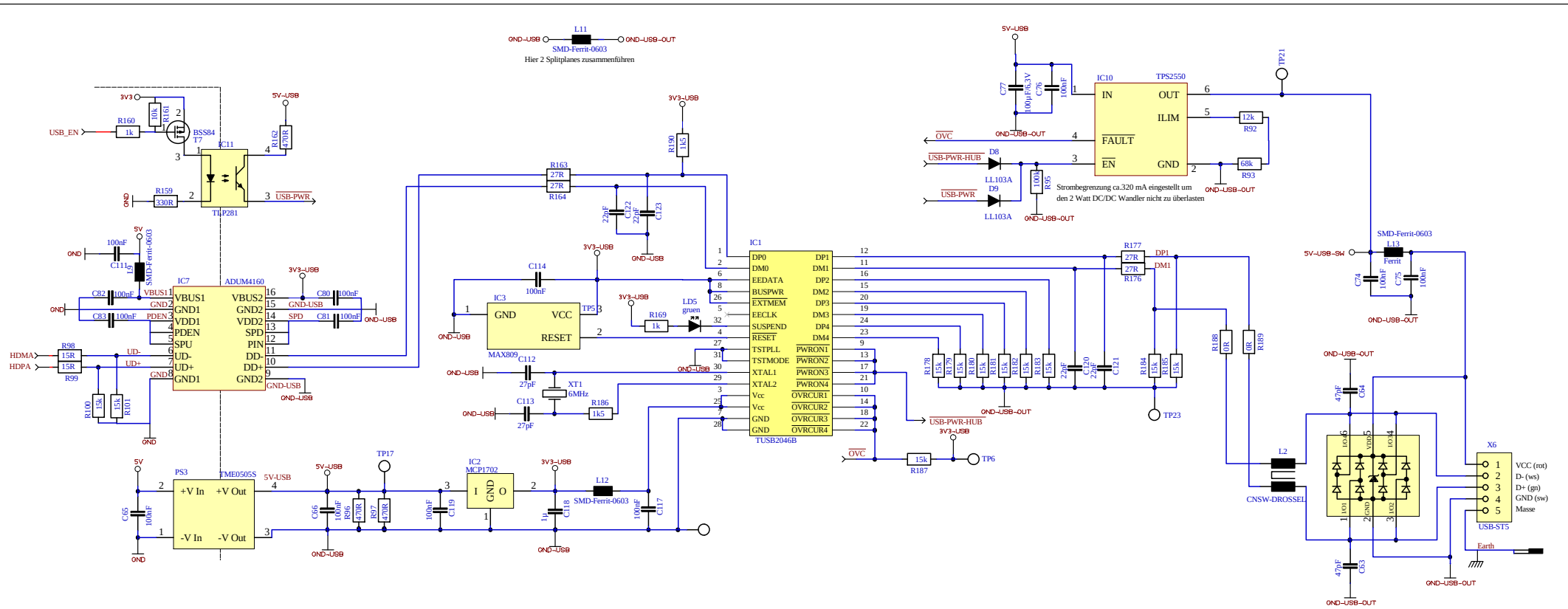
L11
SMD-Ferrit-0603
Hier 2 Splitplanes zusammenführen
GND-USB
GND-USB-OUT
5V-USB
3V3-USB
USB_EN
R160
1k
R161
10k
BSS84
T7
IC11
TLP281
R162
470R
R159
330R
USB-PWR
R163
27R
R164
27R
R190
1k5
C77
100µF/6,3V
C76
100nF
IC10
TPS2550
IN
OUT
ILIM
FAULT
EN
GND
TP21
R92
12k
R93
68k
OVC
USB-PWR-HUB
D8
LL103A
D9
LL103A
R95
100k
Strombegrenzung ca.320 mA eingestellt um
den 2 Watt DC/DC Wandler nicht zu überlasten
C22
22nF
C23
22nF
IC1
TUSB2046B
DP0
DM0
EEDATA
BUSPWR
EXTMEM
EECLK
SUSPEND
RESET
TSTPLL
TSTMODE
XTAL1
XTAL2
Vcc
GND
DP1
DM1
DP2
DM2
DP3
DM3
DP4
DM4
PWRON1
PWRON2
PWRON3
PWRON4
OVRCUR1
OVRCUR2
OVRCUR3
OVRCUR4
R177
27R
R176
27R
DP1
DM1
TP23
C114
100nF
IC3
MAX809
GND
VCC
RESET
TP5
R169
1k
LD5
gruen
C112
27pF
C113
27pF
XT1
6MHz
R186
1k5
R178
15k
R179
15k
R180
15k
R181
15k
R182
15k
R183
15k
C120
22nF
C121
R184
15k
R185
15k
R188
0R
R189
0R
L2
CNSW-DROSSEL
SMD-Ferrit-0603
L13
Ferrit
C74
100nF
C75
100nF
5V-USB-SW
X6
VCC (rot)
D- (ws)
D+ (gn)
GND (sw)
Masse
USB-ST5
Earth
C64
47nF
C63
47nF
R187
15k
TP6
USB-PWR-HUB
OVC
C111
100nF
SMD-Ferrit-0603
IC7
ADUM4160
VBUS1
GND1
VDD1
PDEN
SPU
UD-
UD+
GND1
VBUS2
GND2
VDD2
SPD
PIN
DD-
DD+
GND2
C82
100nF
C83
100nF
C80
100nF
C81
100nF
PDEN
SPD
HDMA
HDPA
R98
15R
R99
15R
UD-
UD+
R100
15k
R101
15k
PS3
TME0505S
+V In
+V Out
-V In
-V Out
C65
100nF
C66
100nF
R96
470R
R97
470R
TP17
IC2
MCP1702
GND
O
I
C119
100nF
C118
1µ
L12
SMD-Ferrit-0603
C117
100nF