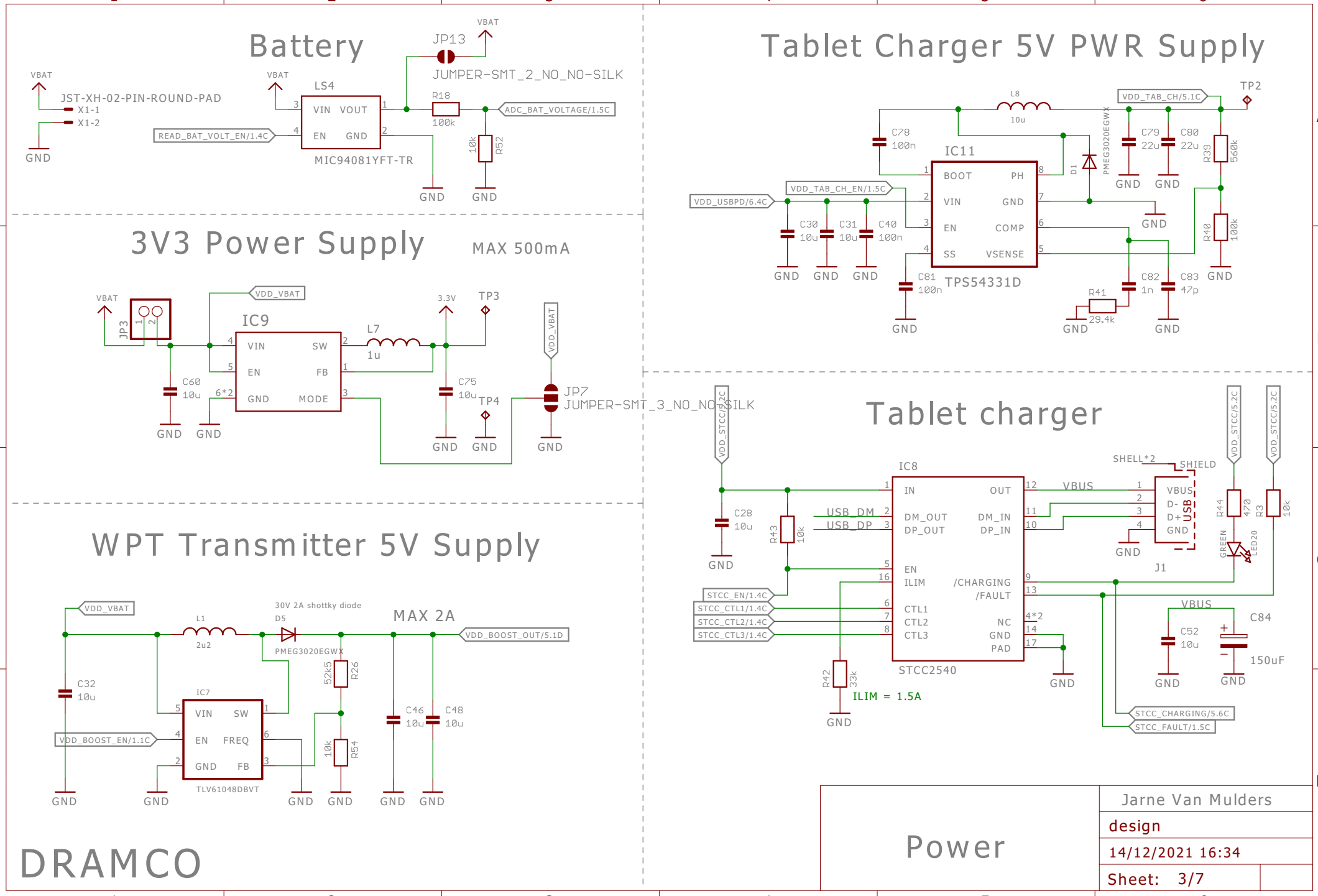
Battery
JST-XH-02-PIN-ROUND-PAD
X1-1
X1-2
VBAT
GND
LS4
VIN VOUT
EN GND
MIC94081YFT-TR
READ_BAT_VOLT_EN/1.4C
JP13
JUMPER-SMT_2_NO_NO-SILK
R18
100k
ADC_BAT_VOLTAGE/1.5C
R52
10k
3V3 Power Supply
MAX 500mA
IC9
VIN SW
EN FB
GND MODE
JP3
VDD_VBAT
C60
10u
6*2
L7
1u
3.3V
TP3
C75
10u
TP4
JP7
JUMPER-SMT_3_NO_NO-SILK
WPT Transmitter 5V Supply
L1
2u2
30V 2A shottky diode
D5
PMEG3020EGWX
MAX 2A
VDD_BOOST_OUT/5.1D
C32
10u
IC7
VIN SW
EN FREQ
GND FB
TLV61048DBVT
VDD_BOOST_EN/1.1C
R26
52k5
R54
10k
C46
10u
C48
10u
Tablet Charger 5V PWR Supply
L8
10u
VDD_TAB_CH/5.1C
TP2
C78
100n
IC11
BOOT PH
VIN GND
EN COMP
SS VSENSE
TPS54331D
D1
PMEG3020EGWX
C79
22u
C80
22u
R39
560k
R40
100k
VDD_USBPD/6.4C
VDD_TAB_CH_EN/1.5C
C30
10u
C31
10u
C40
100n
C81
100n
C82
1n
C83
47p
R41
29.4k
Tablet charger
IC8
IN OUT
DM_OUT DM_IN
DP_OUT DP_IN
EN
ILIM
/CHARGING
/FAULT
CTL1
CTL2
CTL3
NC
GND
PAD
STCC2540
VDD_STCC/5.2C
C28
10u
R43
10k
USB_DM
USB_DP
SHELL*2
SHIELD
VBUS
D-
D+
GND
USB
J1
R44
470
R3
10k
GREEN
LED20
STCC_EN/1.4C
STCC_CTL1/1.4C
STCC_CTL2/1.4C
STCC_CTL3/1.4C
R42
33k
ILIM = 1.5A
C52
10u
C84
150uF
STCC_CHARGING/5.6C
STCC_FAULT/1.5C
DRAMCO
Power
Jarne Van Mulders
design
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