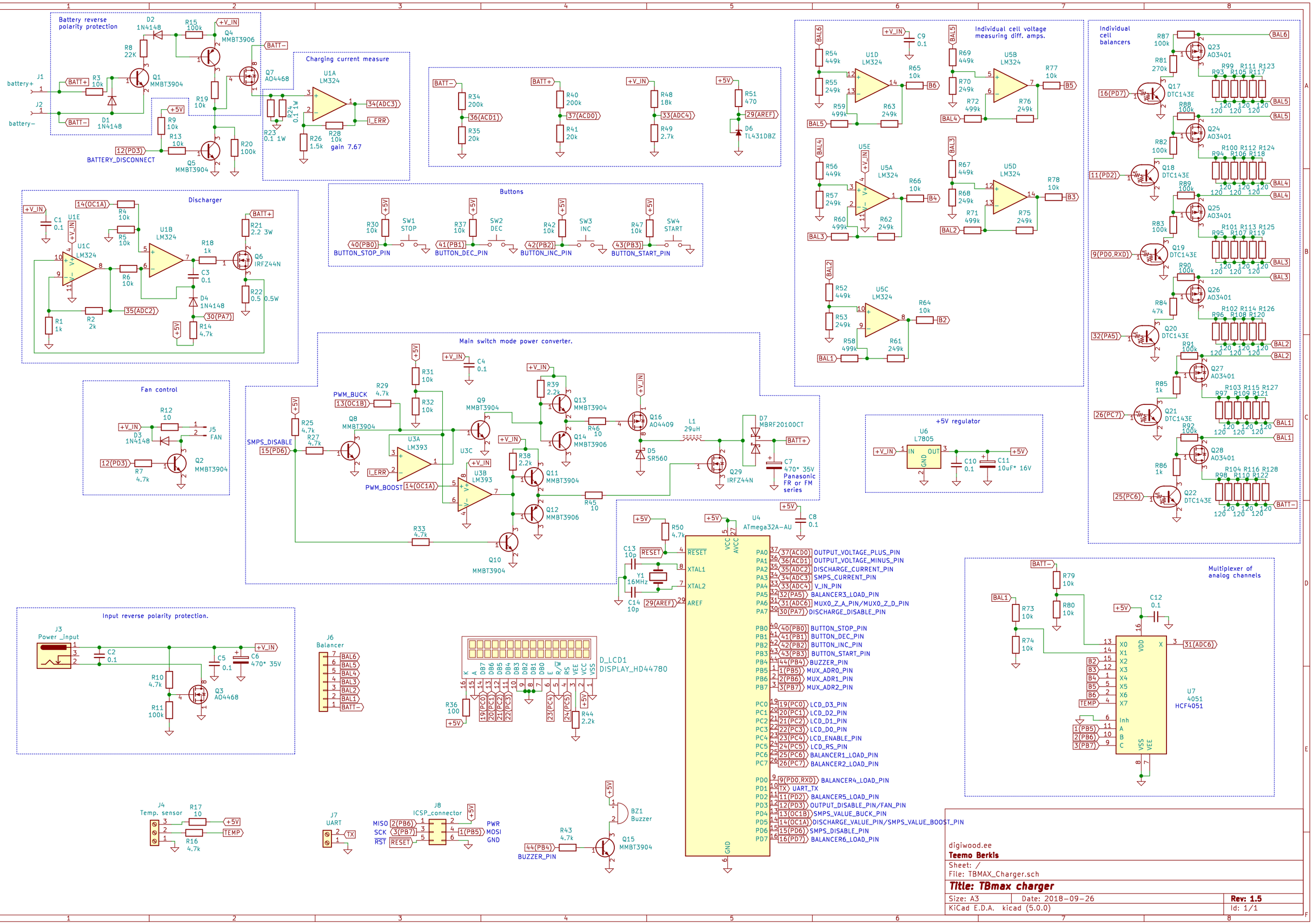
Battery reverse polarity protection
Charging current measure
Discharger
Buttons
Individual cell voltage measuring diff. amps.
Individual cell balancers
Fan control
Main switch mode power converter.
+5V regulator
Input reverse polarity protection.
Multiplexer of analog channels
BATTERY_DISCONNECT
BUTTON_STOP_PIN
BUTTON_DEC_PIN
BUTTON_INC_PIN
BUTTON_START_PIN
PWM_BUCK
SMPS_DISABLE
PWM_BOOST
BUZZER_PIN
OUTPUT_VOLTAGE_PLUS_PIN
OUTPUT_VOLTAGE_MINUS_PIN
DISCHARGE_CURRENT_PIN
SMPS_CURRENT_PIN
V_IN_PIN
BALANCER3_LOAD_PIN
MUX0_Z_A_PIN/MUX0_Z_D_PIN
DISCHARGE_DISABLE_PIN
BUTTON_STOP_PIN
BUTTON_DEC_PIN
BUTTON_INC_PIN
BUTTON_START_PIN
BUZZER_PIN
MUX_ADR0_PIN
MUX_ADR1_PIN
MUX_ADR2_PIN
LCD_D3_PIN
LCD_D2_PIN
LCD_D1_PIN
LCD_D0_PIN
LCD_ENABLE_PIN
LCD_RS_PIN
BALANCER1_LOAD_PIN
BALANCER2_LOAD_PIN
BALANCER4_LOAD_PIN
UART TX
BALANCER5_LOAD_PIN
OUTPUT_DISABLE_PIN/FAN_PIN
SMPS_VALUE_BUCK_PIN
DISCHARGE_VALUE_PIN/SMPS_VALUE_BOOST_PIN
SMPS_DISABLE_PIN
BALANCER6_LOAD_PIN
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Teemo Berkis
Sheet: /
File: TBMAX_Charger.sch
Title: TBmax charger
Size: A3
Date: 2018-09-26
Rev: 1.5
KiCad E.D.A. kicad (5.0.0)
Id: 1/1