



ATmega32A-AU Pin List:

PA0	37(ACD0)	OUTPUT_VOLTAGE_PLUS_PIN
PA1	36(ACD1)	OUTPUT_VOLTAGE_MINUS_PIN
PA2	35(ADC2)	DISCHARGE_CURRENT_PIN
PA3	34(ADC3)	SMPS_CURRENT_PIN
PA4	33(ADC4)	V_IN_PIN
PA5	32(PA5)	BALANCER3_LOAD_PIN
PA6	31(ADC6)	MUX0_Z_A_PIN/MUX0_Z_D_PIN
PA7	30(PA7)	DISCHARGE_DISABLE_PIN
PB0	40(PB0)	BUTTON_STOP_PIN
PB1	41(PB1)	BUTTON_DEC_PIN
PB2	42(PB2)	BUTTON_INC_PIN
PB3	43(PB3)	BUTTON_START_PIN
PB4	44(PB4)	BUZZER_PIN
PB5	1(PB5)	MUX_ADR0_PIN
PB6	2(PB6)	MUX_ADR1_PIN
PB7	3(PB7)	MUX_ADR2_PIN
PC0	19(PC0)	LCD_D3_PIN
PC1	20(PC1)	LCD_D2_PIN
PC2	21(PC2)	LCD_D1_PIN
PC3	22(PC3)	LCD_D0_PIN
PC4	23(PC4)	LCD_ENABLE_PIN
PC5	24(PC5)	LCD_RS_PIN
PC6	25(PC6)	BALANCER1_LOAD_PIN
PC7	26(PC7)	BALANCER2_LOAD_PIN
PD0	9(PD0,RXD)	BALANCER4_LOAD_PIN
PD1	10(TX)	UART_TX
PD2	11(PD2)	BALANCER5_LOAD_PIN
PD3	12(PD3)	OUTPUT_DISABLE_PIN/FAN_PIN
PD4	13(OC1B)	SMPS_VALUE_BUCK_PIN
PD5	14(OC1A)	DISCHARGE_VALUE_PIN/SMPS_VALUE_BOOST_PIN
PD6	15(PD6)	SMPS_DISABLE_PIN
PD7	16(PD7)	BALANCER6_LOAD_PIN

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**Teemo Berkis**  
 Sheet: /  
 File: TBMAX\_Charger.sch  
**Title: Balance charger**  
 Size: A3 Date: 2018-10-10 Rev: 1.8  
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