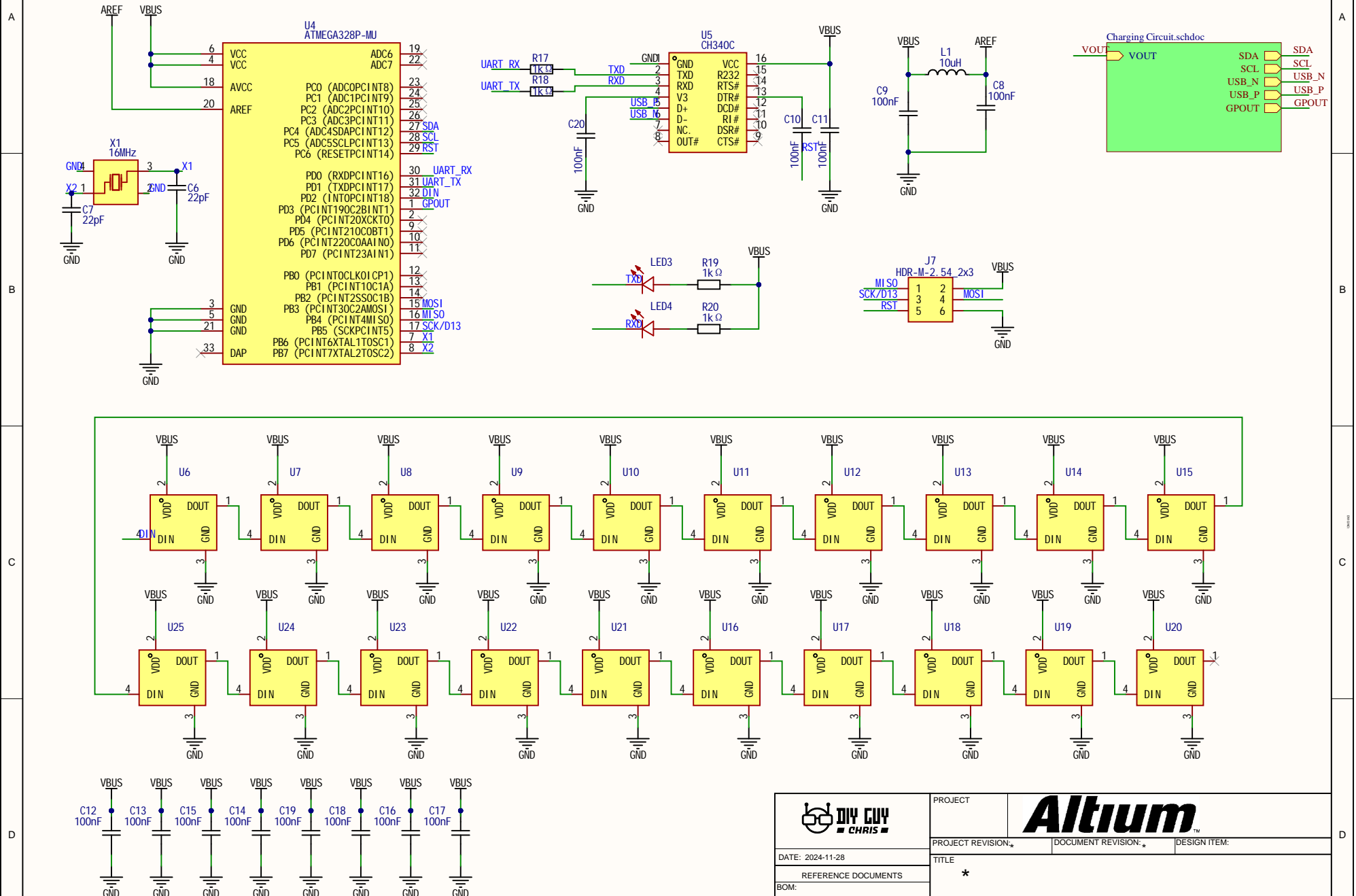



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MCU ATMEGA328P

REVISION	DESCRIPTION	DATE	APPROVED



 DIY GUY ■ CHRIS ■		PROJECT		Altium TM					
		PROJECT REVISION:*		DOCUMENT REVISION:*		DESIGN ITEM:			
		TITLE							
		*							
DATE: 2024-11-28									
REFERENCE DOCUMENTS									
BOM:									
		SIZE		DWG NO.				REV	
		A4							
PCB DWG: Sources		SCALE:		FILE NAME MCU Circuit.schdoc				SHEET 1 OF 2	

Comment	Description	Designator	Footprint	LibRef	Quantity
BH-18650-B1BA002		BT1	BATTERY-SMD_18650-1S-L77.1-W20.7-1	BH-18650-B1BA002	1
1uF		C1	C1206	1uF	1
10uF		C2, C3	C0805	10uF	2
470nF		C4	C0603	470nF	1
1uF		C5	C0603	1uF	1
22pF		C6, C7	C0402	22pF	2
100nF		C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20	C0402	100nF	13
HC-HA-2AWT		CN1, CN2	CONN-SMD_2P-P2.50_HCTL_HC-HA-2AWT	HC-HA-2AWT	2
USBLC6-2SC6		D1	SOT-23-6_L2.9-W1.6-P0.95-LS2.8-BL	USBLC6-2SC6	1
SS14_C266551		D2	SMA_L4.4-W2.8-LS5.4-RD	SS14_C266551	1
ASMD1206-050		F1	F1206	ASMD1206-050	1
Cut jumper		J1, J3, J5		Cut jumper	3
CUT JUMPER NO (DIF)		J2, J4, J6		CUT JUMPER NO (DIF)	3
HDR-M-2.54_2x3		J7	HDR-M-2.54_2X3	HDR-M-2.54_2x3	1
HDR-M-2.54_1x2		JTS	HDR-M-2.54_1X2	HDR-M-2.54_1x2	1
10uH		L1	L0603	10uH	1
FC-F1005UGK-520M5		LED1, LED2	LED0402-RD	FC-F1005UGK-520M5	2
FC-F1005HOK-600H5		LED3, LED4	LED0402-R-RD	FC-F1005HOK-600H5	2
10kΩ		R1, R4, RTS	R0402	10kΩ	3
4.7kΩ		R5, R6	R0402	4.7kΩ	2
1kΩ		R7, R9	R0603	1kΩ	2
100kΩ		R8, R11	R0402	100kΩ	2
0.01OHM(1206)		R10		0.01OHM(1206)	1
0Ω		R12, R14	R0603	0Ω	2
590Ω		R13	R0603	590Ω	1
5.1kΩ		R15, R16	R0402	5.1kΩ	2
1kΩ		R17, R18, R19, R20	R0402	1kΩ	4
20kΩ		R21	R0402	20kΩ	1
1.1kΩ		RLIM	R0402	1.1kΩ	1
HAD-02HWA-R		SW1	SW-SMD_HAD-02HWA-R	HAD-02HWA-R	1
MS-22C01-G010		SW2	SW-SMD_6P-L7.2-W3.5-P2.50-LS6.0-TL	MS-22C01-G010	1
DB128L-5.0-2P-BK-S		U1	CONN-TH_2P-P5.00_DB128L-5.0-2P-BK-S	DB128L-5.0-2P-BK-S	1
BQ27441DRZR-G1B		U2	SON-12_L4.0-W2.5-P0.40-BL-EP	BQ27441DRZR-G1B	1
BQ24075RGTR		U3	QFN-16_L3.0-W3.0-P0.50-TL-EP1.7	BQ24075RGTR	1
ATMEGA328P-MU		U4	QFN-32_L5.0-W5.0-P0.50-BL-EP3.4	ATMEGA328P-MU	1
CH340C		U5	SOP-16_L10.0-W3.9-P1.27-LS6.0-BL	CH340C	1
XL-1010RGBC-WS2812B		U6, U7, U8, U9, U10, U11, U12, U13, U14, U15, U16, U17, U18, U19, U20, U21, U22, U23, U24, U25	LED-SMD_4P-L1.0-W1.0-TL_XL-1010RGBC-WS2812B	XL-1010RGBC-WS2812B	20
TYPEC-304-BCP16		USB2	USB-C-SMD_TYPEC-304-BCP16	TYPEC-304-BCP16	1
16MHz		X1	OSC-SMD_4P-L3.2-W2.5-BL	16MHz	1