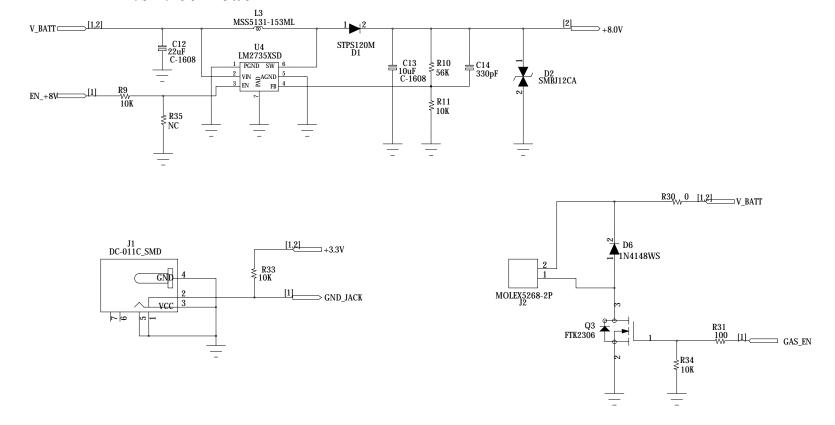


						MCU Schem		
						U1 STM32F070RBT6		C23 C24 0.1uF -3.3V
+3.3V [1.2]	C18 C18 C1 C-1608 C1 C-1608 C1 C-1608 C1	9 C20 uF 0.1uF	<u> </u>	NRST [1] GND JACK [2] STA LED B [1] STA_LED_G [1] STA_LED_R [1]	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	VDD PC13 PC14-OSC32_IN PC15-OSC32_OUT PF0-OSC_IN PF1-OSC_IN PF1-OSC_OUT NRST PC0 PC1 PC2 PC3 VSSA VDDA PA0 PA1 PA2	VDD 64 63 62 62 662 660 660 660 660 660 660 660 6	
V	Portable External	NC I	R40 NC 10K	BAT_ADC [2] BATT_THERM [2] KEY_PWR [1] PW CTRL [1] CHG_STA [2]	17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	PA3 VSS VDD PA4 PA5 PA6 PA7 PC4 PC5 PB0 PB1 PB2 PB10 PB11 VSS VDD	PA14 VDD VSS 46 PA13 PA12 PA11 PA10 PA9 PA8 PC9 39 PC8 RC7 RC7 RC7 RC8 PB15 RB14 PB13 RB12 PB12 PA15 PB14 PB13 RB14 PB13 RB12 PB12 PA15 PB16 PB16 RC7 RC8 PB16 RC9	2
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DRAWN By:	Company Name:	_			
	Femto Science	lnc.			
CHECKED By:	Model Name: Plasma Pipette Main				
DATE: 2019-03-02	Sheet Name: MCU				
Revision: V3.0	TEAM: HW Team	PAGE: 1/2			

Battery Connector Transformer Connector [1,2] V_BATT +8.0V PULSE_OUT2 PULSE_OUT1 MOLEX5268-2P [1] KEY_OP C1 10uF C-1608 R36_W0 R2 ────── 5.1K **USB** Connector J4 HI05-AG0272 U2 MCP73831T_2ACIOT L2 F0603E2R50FSTR USB_VBUS F-1608 USB-₹ R7 10K C4 C5 470pF 4.7uF USB+ __[1]________ BAT_ADC R24 0 [1] SYS_SWDIO | | R8 | 30K GND R25₀ 0 [1] (\$\frac{1}{2}\) (\$\frac{1}{2}\) (\$\frac{1}{2}\) (\$\frac{1}{2}\) (\$\frac{1}{2}\) Connect to negative terminal of battery CHG_STA C_____[1] Q5 PMBT2222 R28 10K [1] CHG_CTRL





DRAWN By:	Company Name: Femto Science Inc.					
CHECKED By:	Model Name: Plasma Pipette					
DATE: 2019-03-02	Sheet Name: GENERATOR					
Revision: V3.0	TEAM: HW Team	PAGE: 2/2				