* C3/C11 soldered for STM32F2xx/STM32F4xx. For STM32F1xx solder 0 Ohm resistors at the places of these parts at board. BAT54C VDD GND VCC UC1 P\$13 VDDA PB0/ADC8/TIM3 CH3 PB1_27 BQOT1_28_{VW} VBAT 5 P\$12 PB1/ADC9/TIM3_CH4 VSSA PR2/ROOT1 PB3 55 R11 PB4 56 PB5 57 PB6 SCL 58 PB7 SDA 59 PB3/JTDO P\$56 VBAT PB4/JTRST VCC PB5/I2C1 SMBA VDD 1 PB6/I2C1 SCL/TIM4 CH1 P\$48 P\$64 P\$19 VDD_2 PB7/I2C1_SDA/TIM4_CH2 PB8_61 PB9_62 VDD 3 PB8/TIM4 CH3 VDD_4 PB9/TIM4_CH4 C15 C7 P\$29 P\$30 PB10_SCL_29 PB11_SDA_30 PB10/I2C2_SCL/USART3_TX PB11/I2C2_SDA/USART3_RX P\$31 P\$47 P\$33 P\$34 SPI2 NSS 33 SPI2 SCK 34 VSS_1 VSS_2 PB12/SPI2_NSS/I2C2_SMBAL/USART3_CK/TIM1_BKIN PB13/SPI2_SCK/USART3_CK/TIM1_BKIN X1 P\$18 1uF SPI2 MISO 35 VSS_3 PB14/SPI2_MISO/USART3_RTS/TIM1_CH2N GND SPI2 MOSI 36 VSS_4 PB15/SPI2 MOSI/TIM1 CH3N M032.54MM NRST 7 C11* PC0_8 PC1_9 PC2_10 PC3_11 P\$7 NRST PC0_8 PC1_9 PC0/ADC10 +3.3V-OUT2 __ VCC_IN 1 __ BOOT0_60 SWCLK_49 PA15_50 PC2_10 PC3_11 P\$60 BOOTO PC2/ADC12 USART2_CTS_14P\$14 USART2_RTS_15P\$15 USART2_RX_16_P\$16 USART2_RX_17_P\$17 SP11_NSS_20_P\$20 SP11_SCK_21_P\$21 SP11_MSO_22_P\$22 SP11_MSO_22_P\$22 SP11_MSO_123_P\$23 PAR_41_P\$41 USART2_RX_17_P\$41 PC3/ADC13 PG10_51 PC11_52 PC12_DISC_53 PD2_54 PB3_55 PC4 24 PC5 25 PC6 37 PC7 38 PC8 39 U\$1 PA0-WKUP/USART2_CTS/ADC0/TIM2_CH1_ETR PA1/USART2_RTS/ADC1/TIM2_CH2 PC4/ADC14 PC5/ADC15 P\$25 PA2/USART2_TX/ADC2/TIM2_CH3
PA3/USART2_RX/ADC3/TIM2_CH4 PC6 PA4/SPI1_NSS/USART2_CK/ADC4 PA5/SPI1_SCK/ADC5 PC8 PC9 P\$39 P\$40 P\$51 P\$52 P\$53 P\$2 P\$3 PB4_56 PB5_57 PC9_40 PC10_51 PA6/SPI1_MISO/ADC6/TIM3_CH1 PC10 USBDM 44 PB6_SCI_58 PB7_SDA_59 PC11_52 PC12_DISC_53 PC11 PC12 USBDM 44 USBDP 45 USART1 BX 43 Z USART1 TX 42 O PA8 41 PA7/SPI1 MOSI/ADC7/TIM3 CH2 PA8 41 P\$41 USART1 TX 42 P\$42 USART1 RX 43 P\$43 PC4 24 PA8/USART1_CK/TIM1_CH1/MCC BOOTO 60 PB8 61 PB9 62 NRST 7 PC5 25 PB0 26 PB1 27 PC12_DISC_53 PC13_2 OSC32_IN_3 OSC32_OUT_4 PA9/USART1 TX/TIM1 CH2 PC13-TAMPER-RTC PA19/USAR11_1X/1IM1_CH2
PA10/USART1_RX/TIM1_CH3
PA11/USART1_CTS/CANTX/USBDM/TIM1_CH4
PA12/USART1_RTS/CANTX/USBDP/TIM1_ETR PC14/OSC32_IN PC15/OSC_OUT P\$44 P\$45 P\$46 P\$49 P\$50 USBDM_44 BOOT1_28 PB10_SCL_29 PB11_SDA_30 USBDP 45 SWDAT 46 OSC_IN_5 OSC_OUT_6 PD2_54 PD0/OSC_IN PD1/OSC_OUT PD2/TIM3-ETR PA13/JTMS-SWDAT osc II OSC32 IN 3 SWCLK 49 PA14/JTCK-SWCLK = 8MHz ⊌ P\$54 OSC32_OUT_4 +3.3V-OUT PA15 50 PA15/JTDI STM32F2x5 Х2 GND VCC C12 SPI1 SCK 21 18pF SJ3 OSC32 IN 3 VCC White D(MINI) T1 PDTA114FT RESET PB1 27 470 White - ĺĴ OSC32_OUT_4 PC12_DISC_53 C13 18pF C9 GND NRST 7 +5V USB ⊕ BUT BOOT0 60 D3 PMEG2010 /BUS ≧ USBDM 44 USB VCC IN DM 3.3V GND D+ DP USBDP_45 LDO IN PC9_40 EXT_PWR PMEG2010 +3.3V-OUT MTM ANTA GND GND POWER MW PT D1 470 GND GND 100uF GND GND GND GND +3.3V-OUT +3.3V-OUT +5.3V + C11 100uF OUT 10ur ADJ IC6 LD33 GND PMEG2010 MCP73811/2 GND LDO_IN PROG CE Q1 VSS MCP1703 IRLML6402 VDD VCC_IN LDO_IN VI VO VDD VBAT IC4 GND MCP1703 VI VO GND GND