

Project Title		MB085_Miniboard_MM32F5233D7P	
Sheet Title		Titil	
Size	A4	Rev	A
Sheet	1	9	Checked
Data		2023.08.03	Approved



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3

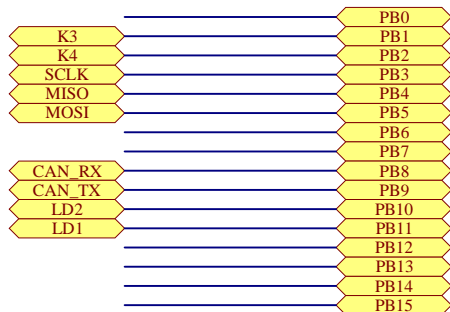
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A



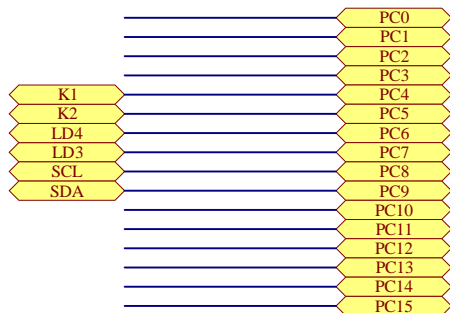
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PA2/TIM2_CH3/UART2_TX/COMP2_OUT/LPUART_TX/ADC_IN2/COMP12_INP2/COMP2_INM2/WKP2
PA3/TIM2_CH4/I2S1_MCK/UART2_RX/LPUART_RX/ADC_IN3/COMP12_INP3
PA4/SPI1_NSS/I2S1_WS/SPI3_NSS/I2S3_WS/USART_TX/ADC_IN4/COMP12_INM0/DAC1_OUT
PA5/TIM2_CH1/TIM2_ETR/TIM3_ETR/SPI1_SCK/I2S1_CK/USART_RX/ADC_IN5/COMP12_INM1
PA6/TIM1_BKIN1/TIM3_CH1/SPI1_MISO/I2S1_MCK(extSD)/COMP1_OUT/ADC_IN6
PA7/TIM1_CH1N/TIM3_CH2/SPI1_MOSI/I2S1_SD/COMP2_OUT/CRS_SYNC/MDSW_IN1/ADC_IN7
PA8/MCO1/TIM1_CH1/TIM3_ETR/I2C1_SCL/USART_CK
PA9/TIM1_CH2/I2C1_SCL/UART1_TX/USB_FS_VBUS/USART_TX
PA10/TIM1_CH3/I2C1_SDA/UART1_RX/USB_FS_ID/USRAT_RX
PA11/TIM1_CH4/I2C1_SMBA/UART1_CTS/COMP1_OUT/CAN1_RX/USART_CTS/USB_FS_DM
PA12/TIM1_ETR/UART1_RTS/COMP2_OUT/CAN1_TX/USART_RTS/USB_FS_DP
PA13/TMS_SWIO/I2C1_SMBA/USB_FS_VBUSON/MDSW_OUT2
PA14/JTCK_SWCLK/I2C1_SDA/I2S3_MCK/UART4_CTS/MDSW_IN3
PA15/JTDI/TIM2_CH1/TIM2_ETR/I2C1_SCL/SPI1_NSS/I2S1_WS/SPI3_NSS/I2S3_WS/UART4_RTS

B



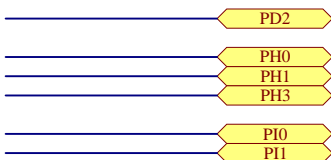
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PB1/TIM1_CH3N/TIM3_CH4/ADC_IN9
PB2/TIM1_CH4N/BOOT1
PB3/JTDO/TRACESWO/TIM2_CH2/TIM4_ETR/SPI1_SCK/I2S1_CK/SPI3_SCK/I2S3_CK/USART_CTS
PB4/NTRST/TIM3_CH1/SPI1_MISO/I2S1_MCK(extSD)/SPI3_MISO/I2S3_MCK(extSD)/USART_RTS
PB5/TIM3_CH2/I2C1_SMBA/SPI1_MOSI/I2S1_SD/SPI3_MOSI/I2S3_SD/LPTIM_CH1/WKP4
PB6/TIM4_CH1/I2C1_SCL/SPI1_NSS/I2S1_WS/SPI3_NSS/I2S3_WS/UART1_TX/LPTIM_ETR/USART_TX
PB7/TIM4_CH2/I2C1_SDA/I2S1_MCK/I2S3_MCK/UART1_RX/USART_RX/MDSW_OUT3
PB8/TIM4_CH3/I2C1_SCL/UART1_CTS/COMP1_OUT/CAN1_RX/USART_CTS
PB9/TIM4_CH4/I2C1_SDA/SPI2_NSS/I2S2_WS/UART1_RTS/COMP2_OUT/CAN1_TX/USART_RTS
PB10/TIM2_CH3/I2C2_SCL/SPI2_SCK/I2S2_CK/UART3_TX/LPTIM_CH1/LPUART_RX
PB11/TIM2_CH4/I2C2_SDA/I2S2_MCK/UART3_RX/LPTIM_ETR/LPUART_TX/MDSW_OUT1
PB12/TIM1_BKIN2/I2C2_SMBA/SPI2_NSS/I2S2_WS
PB13/TIM1_CH1N/SPI2_SCK/I2S2_CK/UART3_CTS
PB14/TIM1_CH2N/SPI2_MISO/I2S2_MCK(extSD)/UART3_RTS/MDSW_IN2
PB15/TIM1_CH3N/SPI2_MOSI/I2S2_SD/WKP5

C



PC0/TIM1_BKIN3/I2C1_SCL/UART4_TX/LPUART_RX/ADC_IN10
PC1/I2C1_SDA/UART4_RX/LPUART_TX/ADC_IN11
PC2/I2C2_SCL/SPI2_MISO/I2S2_MCK(extSD)/UART4_CTS
PC3/I2C2_SDA/SPI2_MOSI/I2S2_SD/UART4_RTS
PC4/UART1_TX/USART_TX/ADC_IN14
PC5/UART1_RX/USART_RX/ADC_IN15/WKP3
PC6/TIM3_CH1/I2C1_SCL/SPI2_MISO/I2S2_MCK(extSD)
PC7/TIM3_CH2/I2C1_SDA/SPI3_MISO/I2S3_MCK(extSD)/SPI3_MISO
PC8/TIM3_CH3/I2C2_SCL
PC9/MCO2/TIM3_CH4/I2C2_SDA
PC10/SPI3_SCK/I2S3_CK/UART3_TX/UART4_TX
PC11/SPI3_MISO/I2S3_MCK(extSD)/UART3_RX/UART4_RX
PC12/SPI3_MOSI/I2S3_SD/USART_TX
PC13/MDSW_IN0/WKP1/BKP_TAMPER
PC14/OSC32_IN
PC15/OSC32_OUT

D



PD2/TIM3_ETR/I2S3_MCK/USART_RX

PH0/OSC_IN
PH1/OSC_OUT
PH3/BOOT0

PI0/TIM1_CH4N/CAN1_RX/LPUART_RX/MDSW_OUT0
PI1/TIM2_ETR/I2C1_SMBA/CAN1_TX/LPUART_TX

Project Title			
MB085_Miniboard_MM32F5233D7P			
Sheet Title		Connection	
Size	A4	Rev	A
Sheet	3		9
Data		2023.08.03	
Drawn		Lu Weiwei	
Checked		Li Hongpeng	
Approved		Chen Do	



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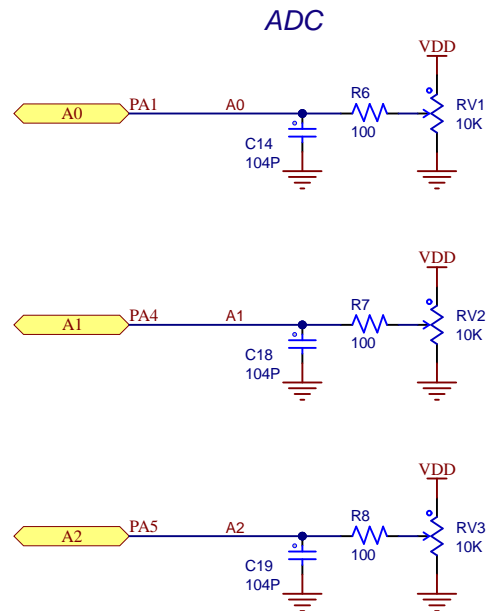
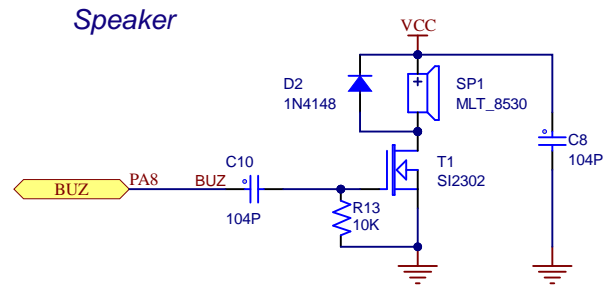
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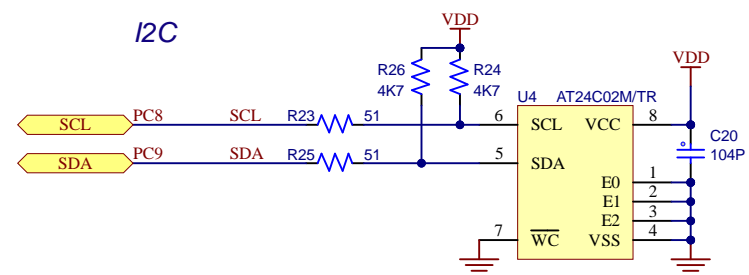
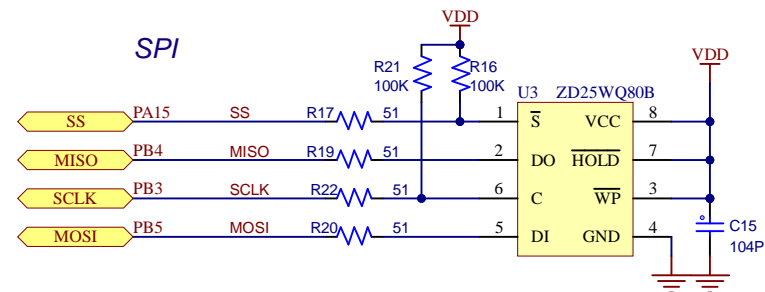
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D



Project Title		MB085_Miniboard_MM32F5233D7P	
Sheet Title		ADC&PWM	
Size	A4	Rev	A
Sheet	4	Checked	Li Hongpeng
Data	2023.08.03	Approved	Chen Do

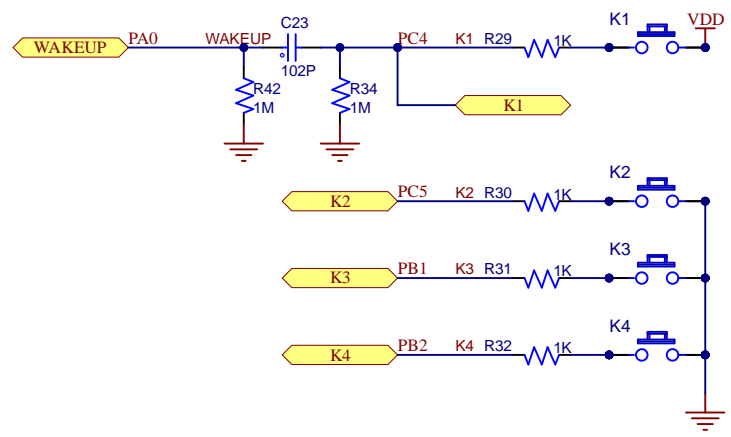




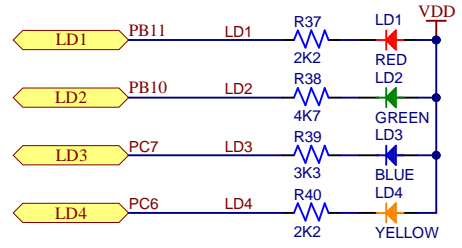
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Size	A4	Rev	A
Sheet	5	Checked	Li Hongpeng
Data	2023.08.03	Approved	Chen Do



Key

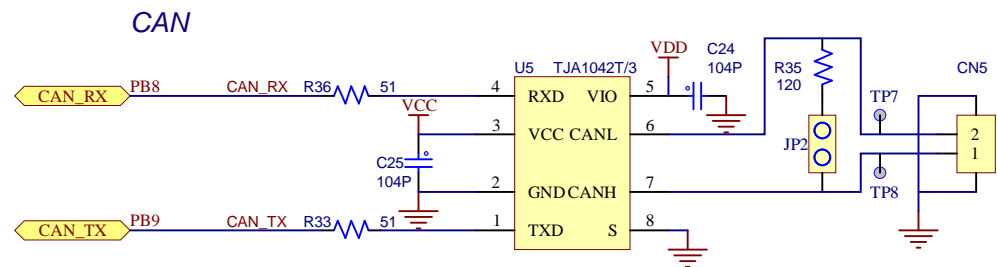


LED



Project Title		MB085_Miniboard_MM32F5233D7P	
Sheet Title		LED&KEY	
Size	A4	Rev	A
Sheet	6	Checked	Li Hongpeng
Data	2023.08.03	Approved	Chen Do

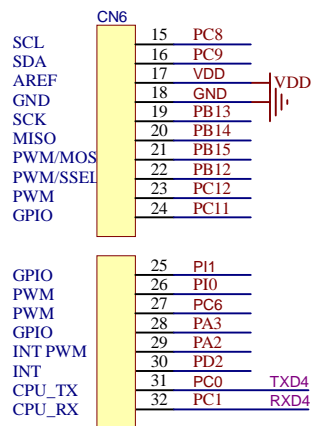
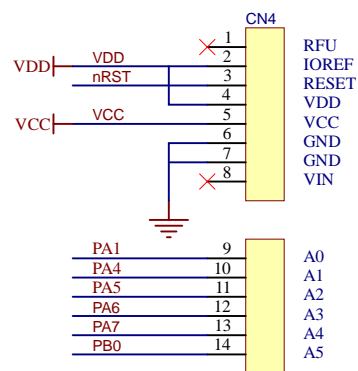




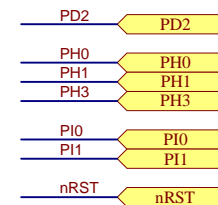
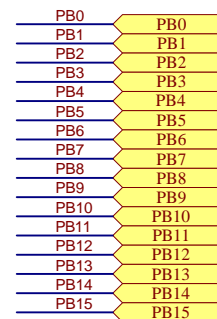
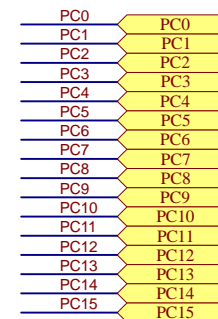
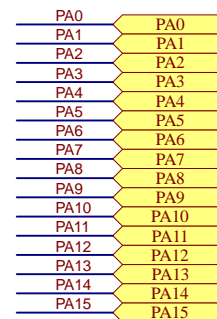
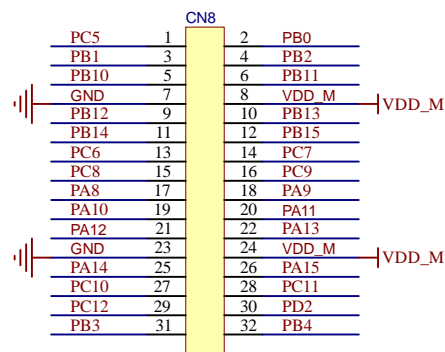
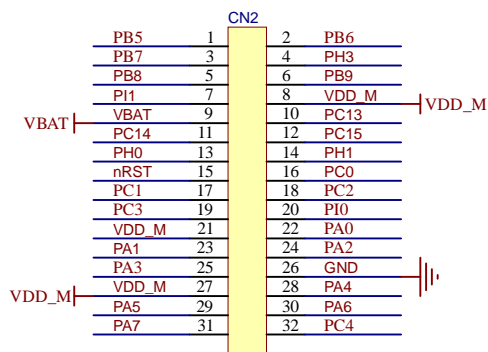
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MB085_Miniboard_MM32F5233D7P			
Sheet Title			
CAN			
Size	A4	Rev	A
Sheet	7	Checked	Li Hongpeng
Data	2023.08.03	Approved	Chen Do



Arduino Interface



GPIO Interface



Project Title			
MB085_Miniboard_MM32F5233D7P			
Sheet Title			
Arduino&GPIOs Interface			
Size	A4	Rev	A
Sheet	8	Checked	Lu Weiwei
Data	2023.08.03	Approved	Chen Do



1	2	3	4																					
A	<div>MB085更改记录:</div> <div>1) 蜂鸣器上去掉跳线,工作电压改为VCC,添加了滤波电容;</div> <div>2) CH340E工作电压改为VDD;</div> <div>3) 添加了MCU的电流检测跳线;</div> <div>4) MCU的VDD网络更改为VDD_M;</div> <div>5) 1N4148封装更换为SOD-123。</div> <div>6) 原理图由A2->A4。</div>			A																				
B				B																				
C				C																				
D				D																				
		<table><tr><td colspan="2">Project Title</td><td colspan="2">MB085_Miniboard_MM32F5233D7P</td></tr><tr><td colspan="2">Sheet Title</td><td colspan="2">RevCtrl</td></tr><tr><td>Size</td><td>A4</td><td>Rev</td><td>A</td></tr><tr><td>Sheet</td><td>9</td><td>Checked</td><td>Li Hongpeng</td></tr><tr><td>Data</td><td>2023.08.03</td><td>Approved</td><td>Chen Do</td></tr></table> <div></div>		Project Title		MB085_Miniboard_MM32F5233D7P		Sheet Title		RevCtrl		Size	A4	Rev	A	Sheet	9	Checked	Li Hongpeng	Data	2023.08.03	Approved	Chen Do	
Project Title		MB085_Miniboard_MM32F5233D7P																						
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