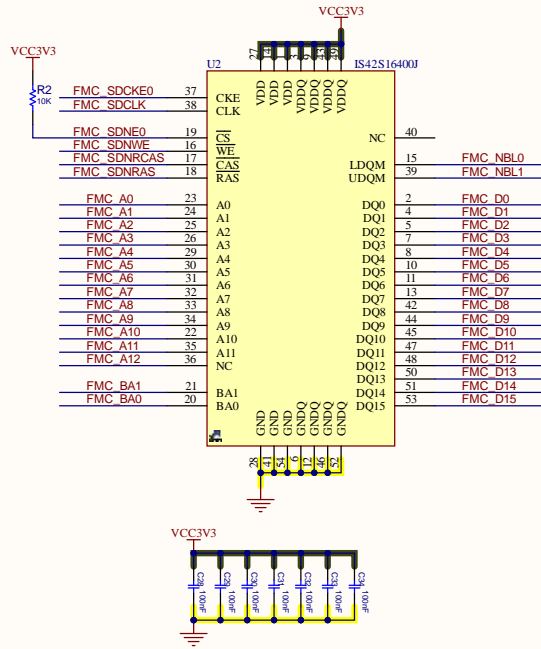
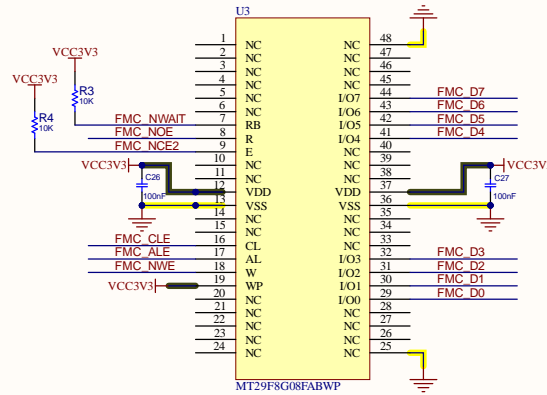


## SDRAM

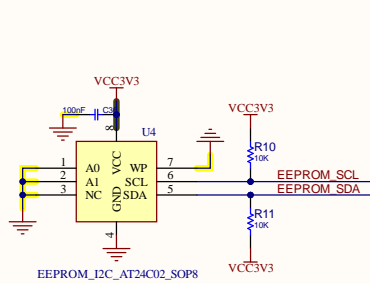


## NAND FLASH

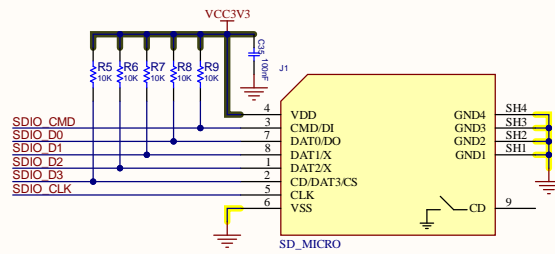


MEMORIES-----MCU			
FMC_A0..12]	FMC_A0..12]	FMC_A0..12]	FMC_A0..12]
FMC_BA0	FMC_BA0	FMC_BA0	FMC_BA0
FMC_BA1	FMC_BA1	FMC_BA1	FMC_BA1
FMC_NBL0	FMC_NBL0	FMC_NBL0	FMC_NBL0
FMC_SDCKE0	FMC_SDCKE0	FMC_SDCKE0	FMC_SDCKE0
FMC_SDCLK	FMC_SDCLK	FMC_SDCLK	FMC_SDCLK
FMC_SDNWE	FMC_SDNWE	FMC_SDNWE	FMC_SDNWE
FMC_SDNRCAS	FMC_SDNRCAS	FMC_SDNRCAS	FMC_SDNRCAS
FMC_SDNRAS	FMC_SDNRAS	FMC_SDNRAS	FMC_SDNRAS
FMC_NBL1	FMC_NBL1	FMC_NBL1	FMC_NBL1
FMC_ALE	FMC_ALE	FMC_ALE	FMC_ALE
FMC_CLE	FMC_CLE	FMC_CLE	FMC_CLE
FMC_NCE2	FMC_NCE2	FMC_NCE2	FMC_NCE2
FMC_NOE	FMC_NOE	FMC_NOE	FMC_NOE
FMC_NWAIT	FMC_NWAIT	FMC_NWAIT	FMC_NWAIT
FMC_NWE	FMC_NWE	FMC_NWE	FMC_NWE
EEPROM_SCL	EEPROM_SCL	EEPROM_SCL	EEPROM_SCL
EEPROM_SDA	EEPROM_SDA	EEPROM_SDA	EEPROM_SDA
SDIO_CLK	SDIO_CLK	SDIO_CLK	SDIO_CLK
SDIO_CMD	SDIO_CMD	SDIO_CMD	SDIO_CMD
SDIO_D0	SDIO_D0	SDIO_D0	SDIO_D0
SDIO_D1	SDIO_D1	SDIO_D1	SDIO_D1
SDIO_D2	SDIO_D2	SDIO_D2	SDIO_D2
SDIO_D3	SDIO_D3	SDIO_D3	SDIO_D3
VCC3V3	VCC3V3	VCC3V3	VCC3V3
GND	GND	GND	GND

## EEPROM



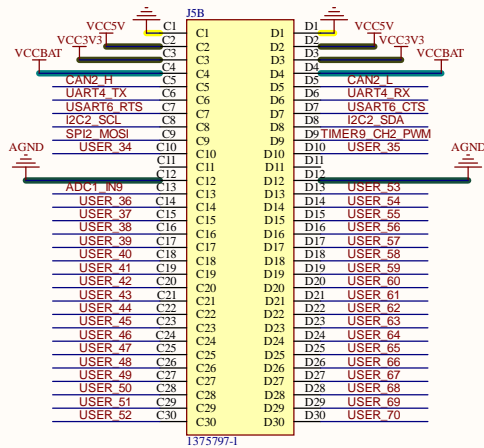
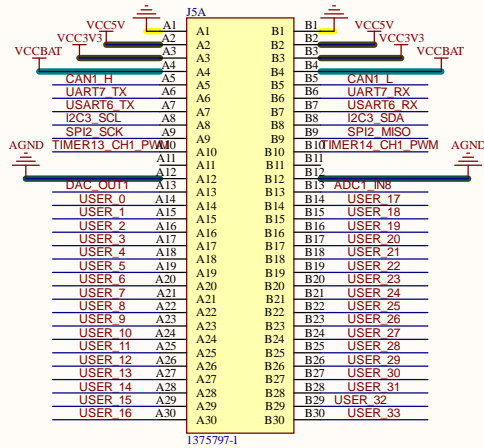
## SD CARD



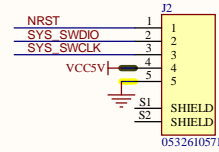
Title *		
Size: A3	Number:*	Revision:*
Date: 11/8/2021	Time: 12:49:31 PM	Sheet 2 of 4
File: F:\Altium Projects\OBC\ExternalMemory\SchDot		

Altium

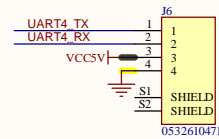
# PC/104 PLUS



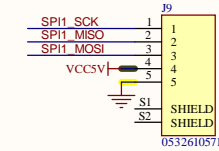
# SERIAL WIRE



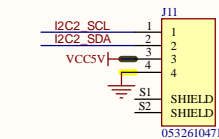
# UART



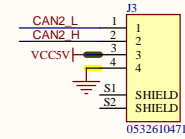
# SPI



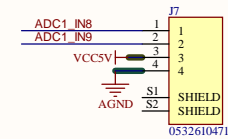
# I2C



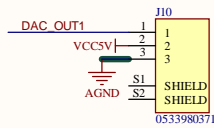
# CAN BUS



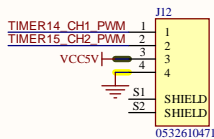
# ADC



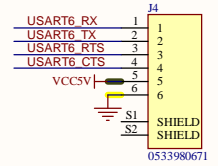
# DAC



# PWM

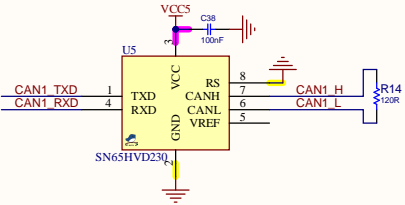


# USART

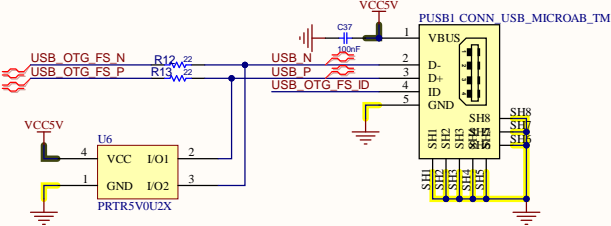


CONNECTORS - MCU			
USER [0..70]	USER [0..70]	USER [0..70]	USER [0..70]
SPI2 SCK	SPI2 SCK	SPI2 SCK	SPI2 SCK
SPI2 MISO	SPI2 MISO	SPI2 MISO	SPI2 MISO
SPI2 MOSI	SPI2 MOSI	SPI2 MOSI	SPI2 MOSI
TIMER9_CH2_PWM	TIMER9_CH2_PWM	TIMER9_CH2_PWM	TIMER9_CH2_PWM
TIMER13_CH1_PWM	TIMER13_CH1_PWM	TIMER13_CH1_PWM	TIMER13_CH1_PWM
USART6 TX	USART6 TX	USART6 TX	USART6 TX
USART6 RX	USART6 RX	USART6 RX	USART6 RX
USART6 CTS	USART6 CTS	USART6 CTS	USART6 CTS
USART6 RTS	USART6 RTS	USART6 RTS	USART6 RTS
UART7 TX	UART7 TX	UART7 TX	UART7 TX
UART7 RX	UART7 RX	UART7 RX	UART7 RX
UART4 TX	UART4 TX	UART4 TX	UART4 TX
UART4 RX	UART4 RX	UART4 RX	UART4 RX
SPI1 SCK	SPI1 SCK	SPI1 SCK	SPI1 SCK
SPI1 MISO	SPI1 MISO	SPI1 MISO	SPI1 MISO
SPI1 MOSI	SPI1 MOSI	SPI1 MOSI	SPI1 MOSI
I2C3 SCL	I2C3 SCL	I2C3 SCL	I2C3 SCL
I2C3 SDA	I2C3 SDA	I2C3 SDA	I2C3 SDA
I2C2 SCL	I2C2 SCL	I2C2 SCL	I2C2 SCL
I2C2 SDA	I2C2 SDA	I2C2 SDA	I2C2 SDA
TIMER14_CH1_PWM	TIMER14_CH1_PWM	TIMER14_CH1_PWM	TIMER14_CH1_PWM
TIMER15_CH2_PWM	TIMER15_CH2_PWM	TIMER15_CH2_PWM	TIMER15_CH2_PWM
DAC_OUT1	DAC_OUT1	DAC_OUT1	DAC_OUT1
ADC1_IN8	ADC1_IN8	ADC1_IN8	ADC1_IN8
ADC1_IN9	ADC1_IN9	ADC1_IN9	ADC1_IN9
CAN1 H	CAN1 H	CAN1 H	CAN1 H
CAN1 L	CAN1 L	CAN1 L	CAN1 L
CAN2 H	CAN2 H	CAN2 H	CAN2 H
CAN2 L	CAN2 L	CAN2 L	CAN2 L
NRST	NRST	NRST	NRST
SYS SWDIO	SYS SWDIO	SYS SWDIO	SYS SWDIO
SYS SWCLK	SYS SWCLK	SYS SWCLK	SYS SWCLK
VCCBAT	VCCBAT	VCCBAT	VCCBAT
VCCSV	VCCSV	VCCSV	VCCSV
VCC3V3	VCC3V3	VCC3V3	VCC3V3
AGND	AGND	AGND	AGND
GND	GND	GND	GND

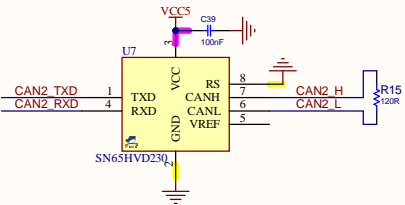
CAN BUS



USB\_OTG\_FS



CAN BUS



MEMORYS ----- MCU			
CAN1_H	CAN1_H		
CAN1_L	CAN1_L		
CAN2_H	CAN2_H		
CAN2_L	CAN2_L		
CAN2_TXD	CAN2_TXD		
CAN2_RXD	CAN2_RXD		
CAN1_TXD	CAN1_TXD		
CAN1_RXD	CAN1_RXD		
USB_OTG_FS_N	USB_OTG_FS_N		
USB_OTG_FS_P	USB_OTG_FS_P		
USB_OTG_FS_ID	USB_OTG_FS_ID		
VCCSV3	VCCSV3		
GND	GND		