STM32U5A5 PDM MCU

pin	QSPI	SPI	I2C	MDF/ADF	USB	UART	DEBUG	used as			
PA0	QSPI1_NCS					UART4_TX		INT0	SDMMC2_CMD		NUCLEO
PA1	QSPI1_DQS	SPI1_SCK				UART4_RX					
PA2	QSPI1_NCS	SPI1_RDY						INT1	QSPI1_NCS		
PA3	QSPI1_CLK							QSPI	SAI1_MCLK_A		SAI1_CK1
PA4	QSPI1_NCS	SPI1_NSS						QSPI	SAI1_FS_B	SPI3_NSS	
PA5		SPI1_SCK						GPIO2			
PA6	QSPI1_IO3	SPI1_MISO						QSPI			
PA7	QSPI1_IO2	SPI1_MOSI						QSPI			
PA8								CODEC	SAI1_SCK_A	SAI1_CK2	
PA9		SPI2_SCK				USART1_TX		CODEC	SAI1_FS_A		UART_TX
PA10						USART1_RX		CODEC	SAI1_SD_A	SAI1_D1	UART_RX
PA11					DM			USB_HS			
PA12					DP			USB_HS			
PA13							SWDIO				
PA14							SWCLK				
PA15		SPI1_NSS						CODEC	SAI2_FS_B	SPI3_NSS	SPI1/3_NSS
PB0	QSPI1_IO1	SPI1_NSS						QSPI			
PB1	QSPI1_IO0			MDF1_SDI0				QSPI			
PB2	QSPI1_DQS	SPI1_RDY		MDF1_CKI0				GPIO3			
PB3		SPI1_SCK		ADF1_CCK0			SWO	CODEC	SDMMC2_D2	SAI1_SCK_B	
PB4		SPI1_MISO		ADF1_SDI0				CODEC	SDMMC2_D3	SAI1_MCLK_B	
PB5		SPI1_MOSI						CODEC		SAI1_SD_B	
PB6				MDF1_SDI5				IMU	I2C1_SCL	SAI1_FS_B	
PB7			I2C4_SDA	MDF1_CKI5				IMU	I2C1_SDA		
PB8				MDF1_CCK0				GPIO6	SDMMC2_D4	SAI1_MCLK_A	SAI1_CK1
PB10	QSPI1_CLK	SPI2_SCK						n.c		SAI1_SCK_A	
PB13		SPI2_SCK	I2C2_SCL					USR_I2C		SAI2_SCK_A	2K0
PB14		SPI2_MISO	I2C2_SDA	MDF1_SDI2				USR_I2C	SDMMC2_D0	SAI2_MCLK_A	2K0
PB15		SPI2_MOSI		MDF1_CKI2				GPIO4	SDMMC2_D1	SAI2_SD_A	GPIO

PC0		12C3_SC	MDF1_SDI4		FLASH		SAI2_FS_A	2K0
PC1	SPI2_M	OSI I2C3_SD	A MDF1_CKI4		FLASH	SDMMC2_CK	SAI1_SD_A	2K0
PC2	SPI2_MI	SO	MDF1_CCK1	UART6_RX	GPIO0			GPIO
PC3	SPI2_M	OSI		UART6_TX	GPIO1		SAI1_SD_A	GPIO
PC6			MDF1_CKI3		GPIO5	SDMMC2_D6	SAI2_MCLK_A	GPIO
PC7			MDF1_SDI3		n.c.	SDMMC2_D7	SAI2_MCLK_B	
PC8					SDCARD	SDMMC1_D0		needs 3V3
PC9					SDCARD	SDMMC1_D1		
PC10	SPI3_SC	K	ADF1_CCK1		SDCARD	SDMMC1_D2	SAI2_SCK_B	
PC11	SPI3_MI	SO	ADF1_SDI0		SDCARD	SDMMC1_D3	SAI2_MCLK_B	
PC12	SPI3_M	OSI			SDCARD	SDMMC1_CK	SAI2_SD_B	
PC13					LED			max. 3mA
PD2					SDCARD	SDMMC1_CMD		GPIO

signa	ıls
IMU	
IMU	INT1
QSPI	_CLK
QSPI	_NCS
SD C	D
QSPI	
	_102
	_SCK_A
	_FS_A
	_SD_A
DM	
DP	
SWD	
SWC	
SPI1_	_
	_101
	_100
	EC SHDNZ
SPI1_	
	MISO
	MOSI
12C1_	SCL
	SDA
PUIVI	_CLK
12.02	CCI
12C2_	_SCL SDA
	SDA FOUT
ועיינ	- 001

I2C3_SCL

I2C3_SDA

UART_RX

UART_TX

CODEC INT

PDM_DATA

SDMMC1_D0

SDMMC1_D1

SDMMC1_D2

SDMMC1_D3

SDMMC1_CK

LED

SDMMC1_CMD