

X konv.	pin MCU	fce dle datasheetu	UART	I2C	SPI	CAN	ADC
X00	PB1	TIM1_CH3N, TIM3_CH4, TIM8_CH3N, LCD_R6, OTG_HS_ULPI_D2, ETH_MII_RXD3, EVENTOUT, ADC12_IN8					ADC12_IN9
X01	PB0	TIM1_CH2N, TIM3_CH3, TIM8_CH2N, LCD_R3, OTG_HS_ULPI_D1, ETH_MII_RXD2, EVENTOUT, ADC12_IN9					ADC12_IN8
X02	PE9	TIM1_CH1, FMC_D6, EVENTOUT					
X03	PB2	EVENTOUT					
X04	PA3	TIM2_CH4, TIM5_CH4, TIM9_CH2, USART2_RX, OTG_HS_ULPI_D0, ETH_MII_COL, LCD_B5, EVENTOUT, ADC123_IN3	USART2_RX				ADC123_IN3
X05	PA6	TIM1_BKIN, TIM3_CH1, TIM8_BKIN, SPI1_MISO, TIM13_CH1, DCMI_PIXCLK, LCD_G2, EVENTOUT			SPI1_MISO		ADC12_IN6
X06	PB6	TIM4_CH1, I2C1_SCL, USART1_TX, CAN2_TX, FMC_SDNE1, DCMI_D5, EVENTOUT	USART1_TX	I2C1_SCL		CAN2_TX	
X07	PB7	TIM4_CH2, I2C1_SDA, USART1_RX, FMC_NL, DCMI_VSYNC, EVENTOUT	USART1_RX	I2C1_SDA			
X08	PA15	JTDI, TIM2_CH1/TIM2_ETR, SPI1_NSS, SPI3_NSS/I2S3_WS, EVENTOUT			SPI1_NSS		
X09	PD9	USART3_RX, FMC_D14, EVENTOUT	USART3_RX				

X10	PB3	JTDO/TRACESWO, TIM2_CH2, SPI1_SCK, SPI3_SCK/I2S3_CK, EVENTOUT			SPI1_SCK		
X11	PD8	USART3_TX, FMC_D13, EVENTOUT	USART3_TX				
X12	PB4	NJTRST, TIM3_CH1, SPI1_MISO, SPI3_MISO, I2S3ext_SD, EVENTOUT			SPI1_MISO		
X13	PB9	TIM4_CH4, TIM11_CH1, I2C1_SDA, SPI2_NSS/I2S2_WS, CAN1_TX, SDIO_D5, DCM1_D7, LCD_B7, EVENTOUT		I2C1_SDA		CAN1_TX	
X14	PB5	TIM3_CH2, I2C1_SMBA, SPI1_MOSI, SPI3_MOSI/I2S3_SD, CAN2_RX, OTG_HS_ULPI_D7, ETH_PPS_OUT, FMC_SDCKE1, DCM1_D10, EVENTOUT			SPI1_MOSI	CAN2_RX	
X15	PB8	TIM4_CH3, TIM10_CH1, I2C1_SCL, CAN1_RX, ETH_MII_TXD3, SDIO_D4, DCM1_D6, LCD_B6, EVENTOUT		I2C1_SCL		CAN1_RX	

primární tak to budeme držet na Shieldech
sekundární alternativní konfigurace pro uživatele

Současný procesor je z desky IODAG3E_170725 a je to STM32F437IIH6 (UFBGA176+25)

X konv.	fce	LED	Relay	RFID	Serial	Ultrasonic	Meteo	Movement	PIR	(CAN)
X00		TL1								
X01		TL2								
X02						TRIG				
X03						ECHO				
X04							Pt1000			
X05							LIGHT			
X06	I2C1_SCL	ANO	ANO	ANO			ANO	ANO		
X07	I2C1_SDA	ANO	ANO	ANO			ANO	ANO		
X08	SPI1_NSS	(ANO)								
X09	USART3_RX				ANO					
X10	SPI1_SCK	(ANO)								
X11	USART3_TX				ANO					
X12	SPI1_MISO	(ANO)			DIR					
X13	CAN1_TX								TRIG	ANO
X14	SPI1_MOSI	ANO								
X15	CAN1_RX			RST						ANO
GPIO		2	0	1	1	2	2	0	1	1

Matrice kompatibility

	LED	Relay	RFID	Serial	Ultrasonic	Meteo	Movement	PIR	(CAN)
LED				(NE)					
Relay									
RFID									(NE)
Serial									
Ultrasonic									
Meteo									
Movement									
PIR									NE
(CAN)									

	kompatibilní
	pravděpodobně nekompatibilní
	nekompatibilní