V:4- O4	Die Calantia e ud O Mau O 0000																					
	er - Pin Selection v1.0 May 2, 2022 covery kit with STM32F303VC MCU - U	loor ma	nual																			
3 TWI32F3 DIS	covery kit with 3 TM32F303VC MCO - t	JSCI IIIa	illuai																			
MCU pin			Board f	function												I.						
Main function	Alternate function	LQFP100 pin number	VCP	LSM303DLHC or LSM303AGR	L3GD20 or I3G4250D	Push-button	LED	SWD	USB	osc	Free I/O	ADC	Timer Related	USART2 & USART3 Related	I2C1 and I2C2 Related	Solected	Power supply	CN3	14	P2	- EN - D0 - C1 - S1 - U5 - EX	es mers: 2, 3, 4, 15 done ND_A-D (2 per) done C_IN1-2 done RRR1-2 done IEP_A-D done GEP_E & USART3 done KTRA1-3, 4-5 done EBUG1-2, 3-4, 5-6 done
воото	-	94		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19		
NRST	-	14	1 -	-	-	RESET	-	NRST	-	-	-	-	-	-	-	`	-	5	4	-		
PA0	TIM2_CH1_ETR, G1_IO1, USART2_CTS, COMP1_OUT, TIM8_BKIN, TM8_ETR	23	3 -	-	-	USER	-	-	-	-	-	-	-	-	-		-	-	12	-		
PA1	TIM2_CH2, G1_IO2, USART2_RTS, TIM15_CH1N	24	1 -	_	_	L	_	_	_	_	_	ADC	possible	_	_	GPIO_IN EXTRA_1		_	g	_		
17(1	TIM2 CH3, G1 IO3, USART2 TX.											ABO .	possibit			OF TO_INVEXTIVE_T						
PA2	COMP2_OUT, TIM15_CH1, AOP1_OUT	25	5 -	-	_	_	-	_	-	-	_	ADC	possible	possible	_	GPIO_IN CURR_2	-	-	14	-		
PA3	TIM2_CH4, G1_IO4, USART2_RX, TIM15_CH2	26	6 -	-	-	-	-	-	-	-	-	ADC	possible	possible	-	GPIO_IN EXTRA_3	-	-	11	-		
PA4	TIM3_CH2, G2_IO1, SPI1_NSS, SPI3_NSS/I2S3_WS, USART2_CK	29	9 -	-	_	_	_	_	_	_	_	ADC	possible	_	_	_	_	_	16	_		
													1									
PA5	TIM2_CH1_ETR, G2_IO2, SPI1_SCK	30) -	-	SCL/SP(-	-	-	-	-	-	ADC	-	-	-	•	-	-	15	-		
PA6	TIM16_CH1, TIM3_CH1, G2_IO3, TIM8_BKIN, SPI1_MISO, TIM1_BKIN, AOP2_OUT, COMP1_OUT	31			SAO/SD			_				ADC	possible						18			
170	TIM17 CH1, TIM3 CH2, G2 IO4.	- 01			SAOISD							/ LDO	роззівіс						10			
PA7	TIM8_CH1N, SPI1_MOSI, TIM1_CH1N, COMP2_OUT	32	2 -	_	SDA/SD	l-	-	-	-	-	_	ADC	possible	-	-	,	-	-	17	-		
PA8	MCO, I2C2_SMBAL, I2S2_MCK, TIM1_CH1, USART1_CK, COMP3_OUT, TIM4_ETR	67	7 -	-	-	-	-	-	-	-	Yes	-	-	-	-	GPIO_IN END_A1	-	-	-	45		
PA9	G4_IO1, I2C2_SCL, I2S3_MCK, TIM1_CH2, USART1_TX, COMP5_OUT, TIM15_BKIN, TIM2_CH3	68	3 -	-	-	-	-	-	-	-	-	-	possible	-	possible	GPIO_IN END_A2	-	-	-	44		
PA10	TIM17_BKIN, G4_IO2, I2C2_SDA, TIM1_CH3, USART1_RX, COMP6_OUT, TIM2_CH4, TIM8_BKIN	69	9 -	-	-	-	-	_	-	-	-	-	possible	-	possible	-	-	-	_	43		
PA11	TIM1_CH1N, USART1_CTS, COMP1_OUT, CAN_RX, TIM4_CH1, TIM1_CH4_BKIN2, USBDM	70				_		_	DM				possible							42		
	TIM16_CH1, TIM1_CH2N, USART1_RTS, COMP2_OUT, CAN_TX, TIM4_CH2, TIM1_ETR,	70							5				POOGINIC							72		
PA12	USBDP	71	1 -	-	-	-	-	-	DP	-	-	-	-	-	-	•	-	-	-	41		
PA13	JTMS-SWDAT, TIM16_CH1N, G4_IO3, IR-Out, USART3_CTS, TIM4_CH3	72	2 -	-	-	-	-	SWDIO	-	-	-	-	possible	-	-	,		4	-	40		
PA14	JTCK-SWCLK, G4_IO4, I2C1_SDA, TIM8_CH2, TIM1_BKIN, USART2_TX	76	3 -	-	-	-	-	SWCLK	-	-	-	-	-	possible	possible	,	-	2	-	37		
	JTDI, TIM2_CH1_ETR, TIM8_CH1, I2C1_SCL, SPI1_NSS, SPI3_NSS/I2S3_WS, USART2_RX,																					
PA15	TIM1_BKIN TIM3_CH3, G3_IO2, TIM8_CH2N,	77	/ -	-	-	-	-	-	-	-	-	-	-	possible	possible	-	-	-	-	38		
PB0	TIM3_CH3, G3_IO2, TIM8_CH2N, TIM1_CH2N TIM3_CH4, G3_IO3, TIM8_CH3N,	35	5 -	-	-	-	-	-	-	-	-	ADC	possible	-	-	TIM3_CH3	-	-	22	-		
PB1	TIM3_CH4, G3_103, TIM6_CH3N, TIM1_CH3N, COMP4_OUT, AOP3_OUT	36		-	-	-	-	-	-	-	-	ADC	possible	-	_	-	-	-	21			
PB2	G3_IO4	37	7 -	-	-	-	-	-	-	-	Yes	ADC	-	-	-	GPIO_IN EXTRA_5	-	-	24	-		
	JTDO/TRACESWO, TIM2_CH2, TIM4_ETR, G5_IO1, TIM8_CH1N, SPI1_SCK, SPI3_SCK/I2S3_CK, USART2_TX,																					
PB3	TIM3_ETR	89	9 -	-	-	-	-	SWO	-	-	-	-	possible	possible	-	`	-	6	1-	26		

	er - Pin Selection v1.0 May 2, 2022																				
STM32F3 Dis	covery kit with STM32F303VC MCU -	User ma	anual																		
																					1
MCU pin	I		Board f	function	T	Т		1	1	1				_			_				
Main function	Alternate function	LQFP100 pin number	VCP	LSM303DLHC or LSM303AG	L3GD20 or 13G4250D	Push-button	LED	SWD	USB	osc	Free I/O	ADC	Timer Related	USART2 & USART3 Related	I2C1 and I2C2 Related	Solected	Power supply	CN3	14	P2	Notes - Timers: 2, 3, 4, 15 done - END_A-D (2 per) done - DC_IN1-2 done - CURR1-2 done - STEP_A-D done - USART2 & USART3 done - EXTRA1-3, 4-5 done - DEBUG1-2, 3-4, 5-6 done
	NJTRST, TIM16_CH1, TIM3_CH1, G5_IO2, TIM8_CH2N, SPI1_MISO, SPI3_MISO/I2S3_DI N,USART2_RX,																				
PB4	TIM17_BKIN	90	0 -	-	-	-	-	-	-	-	-	-	possible	possible	-	GPIO_OUT DEBUG_1	-	-	-	23	
	TIM16_BKIN, TIM3_CH2, TIM8_CH3N,						_		_								_				
PB5	I2C1_SMBAL, SPI1_MOSI, SPI3_MOSI/I2S3_D OUT, USART2_CK, TIM17_CH1	91	1 -	-	-	-	-	-	-	-	-	-	possible	ē -	-	GPIO_OUT DEBUG_2	-	-	-	24	
PB6	TIM16_CH1N, TIM4_CH1, G5_IO3, I2C1_SCL, TIM8_CH1, TIM8_ETR_BKIN2, USART1_TX	92	2 -	SCL	-	-	-	-	-	-	-	-	possible	-	possib	€`	-	-	-	21	
PB7	TIM17_CH1N, TIM4_CH2, G5_IO4, I2C1_SDA, TIM8_BKIN, USART1_RX, TIM3_CH4	93	3 -	SDA	-	-	-	-	-	-	-	-	possible	-	possib	€`	-	-	-	22	
PB8	TIM16_CH1, TIM4_CH3, SYNCH, I2C1_SCL, COMP1_OUT, CAN_RX, TIM8_CH2, TIM1_BKIN	95	5 -	-	-	-	-	-	-	-	-	-	possible	-	possib	e12C1_SCL	-	-	-	17	
PB9	TIM17_CH1, TIM4_CH4, I2C1_SDA, IR- OUT, CAN_TX, TIM8_CH3	96	3 -	-	-	-	-	_	-	_	-	_	possible	-	possib	12C1_SDA	ļ	-	_	18	
PB10	TIM2_CH3, SYNCH, USART3_TX	47	7 -	-	-	-	-	-	-	-	-	-	possible	possible	-	GPIO_OUT DEBUG_4	-	-	34	-	
PB11	TIM2_CH4, G6_IO1, USART3_RX, COMP2_OUT	48	8 -	-	-	-	-	-	-	-	-	-	possible	possible	-	GPIO_OUT DEBUG_3	-	-	33	-	
PB12	G6_IO2, I2C2_SMBAL, SPI2_NSS/I2S2_WS, TIM1_BKIN, USART3_CK, AOP4_OUT G6_IO3, SPI2_SCK/I2S2_CK,	51	1 -	-	-	-	-	-	-	-	-	ADC	-	-	-	STEP_B3	-	-	36	-	
PB13	TIM1_CH1N, USART3_CTS	52	2 -	-	-	-	-	-	-	-	-	ADC	-	-		STEP_B4	-	-	35	-	
PB14	TIM15_CH1, G6_IO4, SPI2_MISO/I2S2_DI N,TIM1_CH2N, USART3_RTS	53	3 -	-	-	-	-	-	-	-	_	ADC	-	-	-	STEP_B1	-	-	38	-	
PB15	TIM15_CH2, TIM15_CH1N, TIM1_CH3N, SPI2_MOSI/ I2S2_DOUT	54	4 -	-	-	-	-	_	-	_	-	ADC	-	_	_	STEP_B2	ļ	-	37	_	
PC0	-	15		ļ-	-	-	-	-	1-	-	-	ADC	-	-	-	STEP_C2	-	-	6		
PC1	-	16	_	-	-	-	-	-	-	-	-	ADC	-	-	-	STEP_C1	-	-	5	-	
PC2	COMP7_OUT	17	_	-	-	-	-	-	-	-	-	ADC	-	-	-	STEP_C4	-	-	8	-	
PC3	TIM1_BKIN2	18	8 -	-	-	-	-	-	-	-	-	ADC	-	-	-	STEP_C3	-	-	7	-	
DO4	LIDARTA TV		2						-			400				,					
PC4 PC5	USART1_TX G3_IO1, USART1_RX	33	3 USART1	_	-	1	-	-	+	-	-	ADC	-	-	-		-	-	20 19		-
	TIM3 CH1, TIM8 CH1, I2S2 MCK,			1	1	†	1	-	†	-	-	ADC		-	-		Ť	 			+
PC6	COMP6_OUT	63	3 -	-	-	-	<u> -</u>	-	1-	-	-	-	possible	-	-	GPIO_IN END_D1	-	-	47	-	
PC7	TIM3_CH2, TIM8_CH2, I2S3_MCK, COMP5_OUT	64		-	-	-	-	-		-	-	-	possible	-	-	GPIO_IN END_D2	-	-	48		
PC8	TIM3_CH3, TIM8_CH3, COMP3_OUT	65	5 -	-	-	-	-	-	-	-	-	-	possible	-	-	GPIO_IN END_C2	-	-	-	47	
PC9	TIM3_CH4, TIM8_CH4_BKIN2, COMP3_OUT	66	ŝ -	-	-	-	-	-	-	-	-	-	possible	-	-	GPIO_IN END_C1	-	-	-	46	
PC10	TIM8_CH1N, UART4_TX, SPI3_SCK/I2S3_CK, USART3_TX TIM8_CH2N, UART4_RX,	78	8 -	-	-	-	-	-	-	-	-	-	-	possible	-	GPIO_IN END_B1	-	-	-	35	
PC11	SPI3_MISO/I2S3_DI N,USART3_RX	79	9 -	-	-	-	-	-	-	-	-	-	-	possible	-	GPIO_IN END_B2	ļ-	-	-	36	
PC12	TIM8_CH3N, UART5_TX, SPI3_MOSI/ I2S3_DOUT, USART3_CK	80		-	-	-	-	-	-	-	-	-	-	-	-	STEP_D3	-	-	-	33	
PC13	TIM1_CH1N	7	7 -	-	-	-	-	-	-	-	<u> -</u>	-	-	-	-	GPIO_OUT DEBUG_6	-	-	-	10	

Kite Controll	er - Pin Selection v1.0 May 2, 2022																			
STM32F3 Dis	covery kit with STM32F303VC MCU -	User manual																		
MCU pin		Board	d functio	n																
Main function	Alternate function	LQFP100 pin number VCP	LSM303DLHC or LSM303AGR	L3GD20 or I3G4250D	Push-button	LED	SWD	USB	osc	Free I/O	ADC	Timer Related	USART2 & USART3 Related	I2C1 and I2C2 Related	Selected	Power supply	CN3	14	P2	Notes - Timers: 2, 3, 4, 15 done - END_A-D (2 per) done - DC_IN1-2 done - CURR1-2 done - STEP_A-D done - USART2 & USART3 done - EXTRA1-3, 4-5 done - DEBUG1-2, 3-4, 5-6 done
PC14	OSC32_IN	8 -	-	-	-	-	-	-	OSC32_	-	-	-	-	-	,	-		-	7	
PC15	OSC32_OUT	9 -	-	-	-	-	-	-	OSC32_	-	-	-	-	-	`	-	-	-	8	
PD0	CAN_RX	81 -	-	-	-	-	-	-	-	-	-	-	-	-	STEP_D4	-	-	-	34	
PD1	TIM8_CH4_BKIN2, CAN_TX	82 -	-	-	-	-	-	-	-	-	-	-	-	-	STEP_D1	-	-	-	31	
PD2	TIM3_ETR, TIM8_BKIN, UART5RX	83 -	-	-	-	-	-	-	-	-	-	-	-	-	STEP_D2	-	-	-	32	
PD3	TIM2_CH1_ETR, USART2_CTS	84 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	
PD4	TIM2_CH2, USART2_RTS	85 -	-		-	-	-	-	-	-	-	possibl	e-	-	TIM2_CH2	-	-	-	30	
PD5	USART2_TX	86 -		-	-	-	-	<u> -</u>	-	-	-	-	possible	-	USART2_TX	Ŀ	-	-	27	
PD6	TIM2_CH4, USART2_RX	87 -	-	-	-	-	-	ļ-	-	-	-	possibl	possible	-	USART2_RX	-	-	-	28	
PD7	TIM2_CH3, USART2_CK	88 -	T-	-	-	-	-	ļ-	-	-	-	possibl	-	-		-	-	-	25	
PD8	USART3_TX	55 -	T-	-	-	T-	-	ļ-	-	-	ADC	-	possible	-	USART3_TX	-	-	40	-	
PD9	USART3_RX	56 -	-	-	-	T-	-	ļ-	-	-	ADC	-	possible	-	USART3_RX	-	-	39	-	
PD10	USART3_CK	57 -	-	-	-	-	-	-	-	-	ADC	-	-	-	ADC DC_IN2	-	-	42	-	
PD11	USART3_CTS	58 -	-	-	-	-	-	-	-	-	ADC	-	-	-	ADC DC_IN1	-	-	41	-	
PD12	TIM4_CH1, G8_IO1, USART3_RTS	59 -	-	-	-	-	-	-	-	-	ADC	possibl	-	-	STEP_A2	-	-	44	-	
PD13	TIM4_CH2, G8_IO2	60 -	1-	-	-	1-	-	-	-	-	ADC	possibl	-	-	STEP_A1	-	-	43	-	
PD14	TIM4_CH3, G8_IO3	61 -	T-	-	-	-	-	-	-	-	ADC	possibl	-	-	STEP_A4	-	-	46	-	
PD15	TIM4_CH4, G8_IO4, SPI2_NSS	62 -	-	-	-	-	-	-	-	-	-	possibl	-	-	STEP_A3	-	-	45	-	
PE0	TIM4_ETR, TIM16_CH1, USART1_TX	97 -	-	INT1	-	-	-	-	-	-	-	-	-	-	,	-	-	-	15	
PE1	TIM17_CH1, USART1_RX	98 -	Ī-	DRDY/	IN -	-	-	-	-	-	-	-	-	-	•	-	-	-	16	
PE2	TRACECK, TIM3_CH1, G7_IO1	1 -	DRD	Y -	-	-	-	-	-	-	-	possibl	-	-	•	-	-	-	13	
PE3	TRACED0, TIM3_CH2, G7_IO2	2 -	-	CS 120	C/ -	-	-	-	-	-	-	possibl	-	-		-	-	-	14	
PE4	TRACED1, TIM3_CH3, G7_IO3	3 -	INT1	-	-	-	-	ļ	-	-	-	possibl	-	-		-	-	-	11	
PE5	TRACED2, TIM3_CH4, G7_IO4	4 -	INT2	-	-	-	-	-	-	-	-	possibl	-	-		-	-	-	12	
PE6	TRACED3	5 -	1-	-	-	1-	-	1-	-	-	-	-	ļ	-	GPIO_OUT DEBUG_5	-	-	1-	9	
PE7	TIM1_ETR	38 -	-	-	-	-	-	-	-	-	ADC	-	-	-	GPIO_IN EXTRA_4	-	-	23	-	
PE8	TIM1_CH1N	39 -	1-	-	-	LD4/BL	ļ -	-	-	-	ADC	-	-	-	,	-	-	26		
PE9	TIM1_CH1	40 -	-	-	-	LD3/RE	_	-	-	-	ADC	-	-	-	,	-	-	25		
PE10	TIM1_CH2N	41 -	-	-	-	LD5/OF	_	-	-	-	ADC	-	-	-	,	-	-	28		
PE11	TIM1_CH2	42 -	-	-	-	LD7/GF	_	-	-	-	ADC	-	-	-	,	-	-	27		
PE12	TIM1_CH3N	43 -	-	-	-	LD9/BL		-	-	-	ADC	-	-	-	,	-	-	30		
PE13	TIM1_CH3	44 -	-	-	-	LD10/B	_	-	-	-	ADC	-	-	-	,	-	-	29		
PE14	TIM1_CH4_BKIN2	45 -	1-	-	1-	LD8/OF	_	-	-	-	ADC	-	-	-	,	-	-	32		
PE15	TIM1_BKIN, USART3_RX	46 -	1-	-	1-	LD6/GF		1-	-	ļ.	ADC	ļ.	-	-		-	1-	31		
PF0	OSC_IN, I2C2_SDA, TIM1_CH3N	12 -	1-	-	1-	-	-	1-	OSC IN	-	-	-	-	possibl	le I2C2_SDA	-	1-	-	5	
PF1	OSC_OUT, I2C2_SCL	13 -	1-	-	1-	1-	-	1-	OSC_OL	_	1-	ļ.	-	-	le I2C2_SCL	-	1-	ļ.	6	
PF2	-	19 -	1-	-	1-	-	-	1-	-	-	ADC	-	_	-	GPIO_IN EXTRA_2	-	-	10	-	
PF4	COMP1_OUT	27 -	1-	-	1-	1-	-	1-	-	-	ADC	-	-	-	GPIO_IN CURR_1	-	1-	13		
PF6	TIM4_CH4, I2C2_SCL, USART3_RTS	73 -	- -	-	1_	1-	<u> </u>	1_	-	<u> </u>	-	possibl	-	possibl	IE TIM4_CH4	-	†-	- 10	39	
PF9	TIM15_CH1, SPI2_SCK	10 -	1-	-	1-	1-	-	1-	-	-	<u> </u>	possibl		-	TIM15_CH1	-	+	-	3	
PF10	TIM15_CH2, SPI2_SCK	11 -	1-	-	1-	1-	-	1-	-	-	<u> </u>	possibl		_	-	1.	<u> </u>	-	4	
												POOCIDI		Ь	1				-	4

Kite Controlle	er - Pin Selection v1.0 May 2, 2022																				
STM32F3 Disc	covery kit with STM32F303VC MCU -	User ma	nual																		
MCU pin			Board	function																	
Main function	Alternate function	LQFP100 pin number	VCP	LSM303DLHC or LSM303AGR	L3GD20 or I3G4250D	Push-button	LED	SWD	USB	osc	Free I/O	ADC	Timer Related	USART2 & USART3 Related	I2C1 and I2C2 Related	Selected	Power supply	CN3	P1	P2	Notes - Timers: 2, 3, 4, 15 done - END_A-D (2 per) done - DC_IN1-2 done - CURR1-2 done - STEP_A-D done - USART2 & USART3 done - EXTRA1-3, 4-5 done - DEBUG1-2, 3-4, 5-6 done
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5V	-	-	1	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5V	-	-	2	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3V	-	1	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3V	-	2		
-	=	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	VDD	-	-	20	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GND	3	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GND	-	49	49	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GND	-	50	50	
																	7				