

User	uC	Morpho	CN7	Morpho	Arduino	uC	User	uC	Arduino	Morpho	CN10	Morpho	uC	User		
			PC10	1 2	PC11						PC9	1 2	PC8	GPIO_Output	YEL7_LED (LED7)	
			PC12	3 4	PD2						D15	PB8	3 4	PC6	GPIO_Output	RED_LED (LED8)
			VDD	5 6	E5V						D14	PB9	5 6	PC5	ADC1_IN15	VPOT2_AIN
			BOOT0	7 8	GND						AVDD	AVDD	7 8	U5V		
				NC 9 10	NC NC						GND	GND	9 10	NC		
				NC 11 12	IREF IREF						D13	PA5	11 12	PA12	GPIO_Output	YEL3_LED (LED3)
SWDIO	SYS_JTMS_SWDIO	PA13	13 14	RESET	RESET						ANGS_NSS	GPIO_Output	13 14	PA11	GPIO_EXTI11	USR_SW2
SWCLK	SYS_JTCK_SWCLK	PA14	15 16	3V3	3V3						PSENSE_AIN	ADC1_IN7	15 16	PB12	GPIO_EXTI12	USR_SW3
RPSM_QA	TIM2_CH1	PA15	17 18	5V	5V						D10	PB6	17 18	NC		
			GND 19 20	GND GND							GREEN_LED (LED9)	GPIO_Output	19 20	PC7	GND	
			PB7 21 22	GND GND							YEL6_LED (LED6)	GPIO_Output	21 22	PB2	GPIO_Output	YEL2_LED (LED2)
YEL4_LED (LED4)	GPIO_Output	PC13	23 24	VIN	VIN						YEL5_LED (LED5)	GPIO_Output	23 24	PB1	GPIO_Output	YEL1_LED (LED1)
notused	RCC_OSC32_IN	PC14	25 26	NC							ASENS_SCK	SPI2_SCK	25 26	PB15	GPIO_EXTI15	USR_SW4
notused	RCC_OSC32_OUT	PC15	27 28	PA0	A0	GPIO_Input	DCMC_IN1_B	←	DCMC_IN1_A	TIM3_CH1	D5	PB4	27 28	PB14	GPIO_EXTI14	USR_SW5
Clock Bypass	RCC_OSC_IN	PH0	29 30	PA1	A1	GPIO_Input	DCMC_IN2_B	←	DCMC_IN2_A	TIM3_CH2	D4	PB5	29 30	PB13	GPIO_EXTI13	USR_SW6
Clock Bypass	RCC_OSC_OUT	PH1	31 32	PA4	A2	GPIO_Input	RPSM_QB			PS_LED_G	GPIO_Output	31 32	AGND			
			VBAT 33 34	PB0	A3	GPIO_Output	PS_LED_R			DCMC_EN_A	GPIO_Output	33 34	PC4	ADC1_IN14	VPOT1_AIN	
ASENS_MISO	SPI2_MISO	PC2	35 36	PC1	A4	GPIO_Output	DCMC_EN_B			VCP_TX	USART2_TX	35 36	NC			
ASENS_MOSI	SPI2_MOSI	PC3	37 38	PC0	A5	GPIO_Output	RPMS_NSS			VCP_RX	USART2_RX	37 38	NC			

Jumpers	
JP1	short
JP2	1-2 short
JP3	1-2 short
JP4	1-2 short

HW connection	
PA0 (DCMC_IN1_B)	PB4 (DCMC_IN1_A)
PA1 (DCMC_IN2_B)	PB5 (DCMC_IN2_A)
parallelly programmed outputs	
PC1 (DCMC_EN_B)	PA10 (DCMC_EN_A)

P5	Signal
1	VCC
2	RPSM_QA
3	RPSM_QB
4	GND

P3	Signal
1	VCC
2	LCD莫斯
3	LCD_SCK
4	LCD NSS
5	PCD_RS
6	LCD_NRST
7	RESET
8	GND

P9	Signal
1	VCC
2	
3	PB6
4	PB7

P6	Signal
1	VCC
2	ASENS_MOSI
3	ASENS_MISO
4	ASENS_SCK
5	ANGS_NSS
6	RPMS_NSS
7	GND
8	GND

P4	Signal
1	VCC
2	PS_LED_G
3	PS_LED_R
4	GND

P8	Signal
1	VCC
2	
3	PB8
4	PB9

P7	Signal
1	PSV_MOT
2	GND