Print Report

Project

Project Name	M031LE3AE
Project Date	1/23/2024 18:2:52

Part No.

Chip Series	M031
MCU Name	M031LE3AE
MCU Package	LQFP48

ChipView

Nuvoton
M031LE3AE
LQFP48
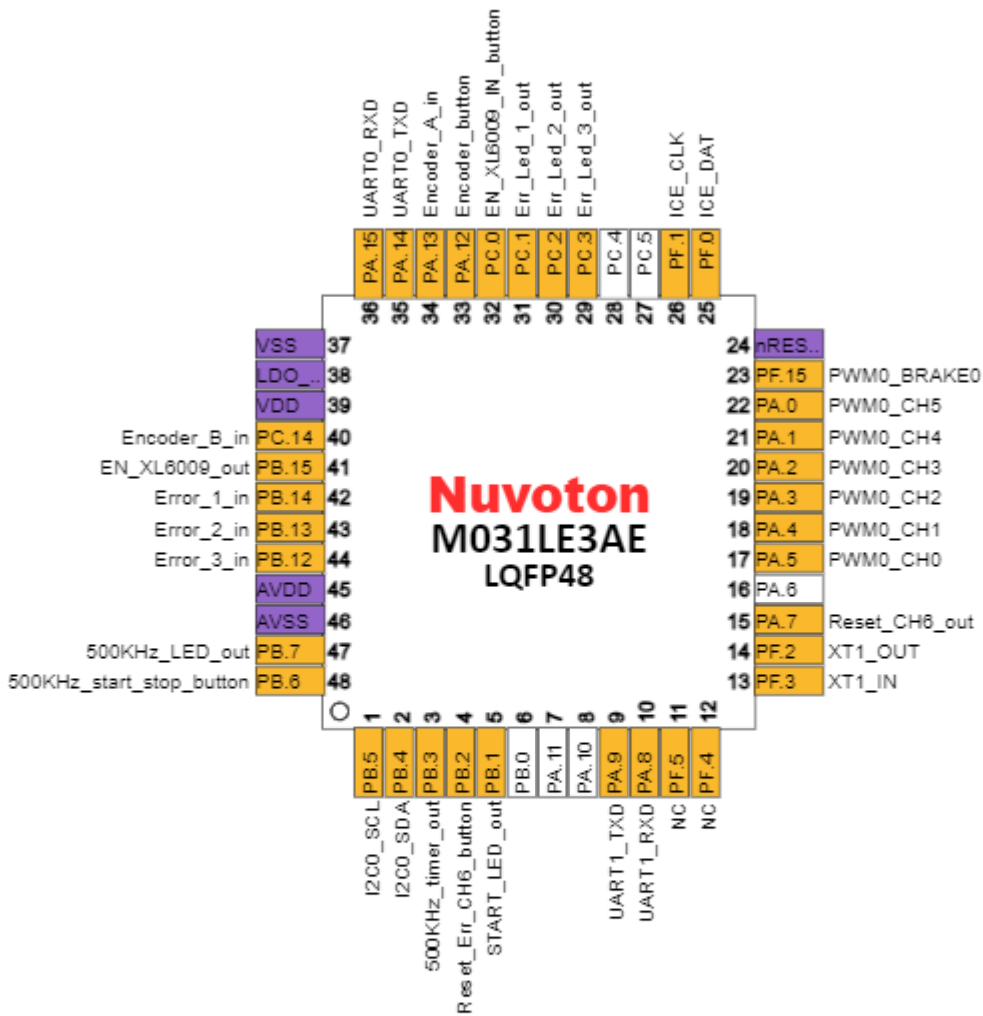
Register Configuration

GPA_MFPH	0x33000077
GPA_MFPL	0x00DDDDDD
GPB_MFPH	0x00000000
GPB_MFPL	0x00660000
GPC_MFPH	0x00000000
GPC_MFPL	0x00000000
GPF_MFPH	0xB0000000
GPF_MFPL	0x0000AAEE

Pin Configuration

Pin1	I2C0_SCL
Pin2	I2C0_SDA
Pin3	500KHz_timer_out
Pin4	Reset_Err_CH6_button
Pin5	START_LED_out
Pin9	UART1_TXD
Pin10	UART1_RXD
Pin11	NC
Pin12	NC
Pin13	XT1_IN
Pin14	XT1_OUT
Pin15	Reset_CH6_out
Pin17	PWM0_CH0
Pin18	PWM0_CH1
Pin19	PWM0_CH2
Pin20	PWM0_CH3
Pin21	PWM0_CH4
Pin22	PWM0_CH5
Pin23	PWM0_BRAKE0
Pin25	ICE_DAT
Pin26	ICE_CLK
Pin29	Err_Led_3_out
Pin30	Err_Led_2_out
Pin31	Err_Led_1_out
Pin32	EN_XL6009_IN_button
Pin33	Encoder_button
Pin34	Encoder_A_in
Pin35	UART0_TXD
Pin36	UART0_RXD
Pin40	Encoder_B_in
Pin41	EN_XL6009_out
Pin42	Error_1_in
Pin43	Error_2_in
Pin44	Error_3_in
Pin47	500KHz_LED_out
Pin48	500KHz_start_stop_button

Module Configuration

I2C0	I2C0_SCL(Pin:1)
I2C0	I2C0_SDA(Pin:2)
PB	500KHz_LED_out(Pin:47)
PB	500KHz_start_stop_button(Pin:48)
PB	500KHz_timer_out(Pin:3)
PB	EN_XL6009_out(Pin:41)
PB	Error_1_in(Pin:42)
PB	Error_2_in(Pin:43)
PB	Error_3_in(Pin:44)
PB	Reset_Err_CH6_button(Pin:4)
PB	START_LED_out(Pin:5)
UART1	UART1_RXD(Pin:10)
UART1	UART1_TXD(Pin:9)
PF	NC(Pin:11)
PF	NC(Pin:12)
XT1	XT1_IN(Pin:13)
XT1	XT1_OUT(Pin:14)
PA	Encoder_A_in(Pin:34)
PA	Encoder_button(Pin:33)
PA	Reset_CH6_out(Pin:15)
PWM0	PWM0_BRAKE0(Pin:23)
PWM0	PWM0_CH0(Pin:17)
PWM0	PWM0_CH1(Pin:18)
PWM0	PWM0_CH2(Pin:19)
PWM0	PWM0_CH3(Pin:20)
PWM0	PWM0_CH4(Pin:21)
PWM0	PWM0_CH5(Pin:22)
ICE	ICE_CLK(Pin:26)
ICE	ICE_DAT(Pin:25)
PC	EN_XL6009_IN_button(Pin:32)
PC	Encoder_B_in(Pin:40)
PC	Err_Led_1_out(Pin:31)
PC	Err_Led_2_out(Pin:30)
PC	Err_Led_3_out(Pin:29)
UART0	UART0_RXD(Pin:36)
UART0	UART0_TXD(Pin:35)

GPIO Configuration

PA.0	PWM0_CH5(Pin:22)
PA.1	PWM0_CH4(Pin:21)
PA.2	PWM0_CH3(Pin:20)
PA.3	PWM0_CH2(Pin:19)
PA.4	PWM0_CH1(Pin:18)
PA.5	PWM0_CH0(Pin:17)
PA.7	Reset_CH6_out(Pin:15)
PA.8	UART1_RXD(Pin:10)
PA.9	UART1_TXD(Pin:9)
PA.12	Encoder_button(Pin:33)
PA.13	Encoder_A_in(Pin:34)
PA.14	UART0_TXD(Pin:35)
PA.15	UART0_RXD(Pin:36)
PB.1	START_LED_out(Pin:5)
PB.2	Reset_Err_CH6_button(Pin:4)
PB.3	500KHz_timer_out(Pin:3)
PB.4	I2C0_SDA(Pin:2)
PB.5	I2C0_SCL(Pin:1)
PB.6	500KHz_start_stop_button(Pin:48)
PB.7	500KHz_LED_out(Pin:47)
PB.12	Error_3_in(Pin:44)
PB.13	Error_2_in(Pin:43)
PB.14	Error_1_in(Pin:42)
PB.15	EN_XL6009_out(Pin:41)
PC.0	EN_XL6009_IN_button(Pin:32)
PC.1	Err_Led_1_out(Pin:31)
PC.2	Err_Led_2_out(Pin:30)
PC.3	Err_Led_3_out(Pin:29)
PC.14	Encoder_B_in(Pin:40)
PF.0	ICE_DAT(Pin:25)
PF.1	ICE_CLK(Pin:26)
PF.2	XT1_OUT(Pin:14)
PF.3	XT1_IN(Pin:13)
PF.4	NC(Pin:12)
PF.5	NC(Pin:11)
PF.15	PWM0_BRAKE0(Pin:23)