

NuMaker Uni Software Directory

Directory Introduction for 32-bit NuMicro[®] Family

Directory Information

NuMaker_Uni_BSP	Software information.
NuMaker_Uni_APP	APP information.

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1 NuMaker_Uni_BSP Information

Document	Driver reference manual and reversion history.
Library	Driver header and source files.
SampleCode	Driver sample code.

2 NuMaker_Uni_APP Information

Android

Specific APP for NuMaker Uni on android phone or tablet.

3 Document Information

Revision History.pdf	This document shows the revision history of NuMaker Uni.
RH_Nano100B Series BSP_CMSIS_V3.02.000.pdf	This document describes the usage of drivers in Nano100B BSP.

4 Library Information

CMSIS	Cortex [®] Microcontroller Software Interface Standard (CMSIS) V3.01 definitions by ARM [®] Corp.
Device	CMSIS compliant device header file.
NuMaker_Uni_Lib	Library for NuMaker Uni.
StdDriver	All peripheral driver header and source files.

5 Sample Code Information

ADC	Analog-to-Digital Converter to read Sensor
ADC2_MQ2	Analog-to-Digital Converter to read Gas Sensor
GPIO_IRQ	GPIO interrupt triggered by buttons
GPIO_RGBLED	GPIOs control RGB LED
I2C_HTU21D	Read humidity & temperature
I2C_MPU6500	Use I2C to read IMU and print on Debug Session View
I2C_IMU_LCD	Use I2C to read IMU and display on LCD.
I2C_IMU_Tilt	Read Accelerometer to calculate tilt angles
I2C_IMU_Tilt_LCD	Read Accelerometer to calculate tilt angles and display on LCD
I2C_LCD	Display Text on LCD
I2C_LCD_bmp_cartoon	Display multiple bitmap on LCD
I2C_LCD_bmp_logo	Draw a bitmap of logo on LCD
I2C_LCD_bmp_menu	Display a menu bitmap on LCD
I2C_LCD_pingpong	LCD draw a bar and ball to emulate pingpong

PCB_TEST_All	Testing All components and socket pins on PCB and report on LED
proj_BT_Humidity	Use Android App to read humidity & temperature from NuMaker Uni
proj_BT_Remote	use Android App to press button, and NuMaker Uni will work as remote controller
proj_IMU_LCD_pingpong	using IMU to move the bar and bounce the ball back
PWDN_RTC_Wakeup	RTC Time to wakeup MCU from power-down mode
PWDN_TMR_Wakeup	Timer timeout to wakeup MCU from power-down mode
PWDN_WDT_Wakeup	WatchDog Timer timeout to wake up MCU from power-down mode
PWM_IrDA_NEC	IR emitter to transmit and IR receiver to receive NEC code
PWM_Music	PWM output tone to Buzzer to play music "Fur Elise"
PWM_Siren	PWM output dual frequency to buzzer
RTC_Alarm	RTC alarm in 5 second (printf to display)
RTC_LCD	Display RTC Date & Time on LCD (with PowerDown)
RTC_LCD_Clock	Draw a Clock & draw clock pointer every RTC tick
SEMIHOST	Using Keil MDK Debug Session
SPI_Loopback	SPI MOSI to MISO loopback test
SPI_NRF24L01	nRF24L01 Transmitter & Receiver Testing

SPI_RFID-RC522	RFID Reader RC522 reading RFID Tag
TMR1	Timer1 counting
TMR1_LED	Timer1 to turn LED on/off
TMR3_Capture_SR04	Timer3 Capture Ultrasonic Sensor Ranger
UART0_BT_RX_LCD	Bluetooth Receive & display on LCD
UART0_BLE_TEST_LCD	BLE Device Test Command with LCD
UART1_WiFi_TCPclient	ESP8266 run as TCP client
UART1_WiFi_TCPserver	ESP8266 run as a TCP server
UART1_WiFi_LCD	ESP8266 run as a TCP server with LCD display
UART1_WiFi_TEST_LCD	Test ESP8266 AT Command OK
WDT_Interrupt	WatchDog Timer timeout to interrupt MCU
WDT_Reset	WatchDog Timer timeout to reset MCU

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