NuMaker Uni Software Directory

Directory Introduction for 32-bit NuMicro® Family

Directory Information

NuMaker_Uni_BSP	Software information.
NuMaker_Uni_APP	APP information.

For additional information or questions, please contact: Nuvoton Technology Corporation.

www.nuvoton.com

1 NuMaker_Uni_BSP Information

Document	Driver reference manual and reversion history.
Library	Driver header and source files.
SampleCode	Driver sample codes under \SampleCode\NuMake_Uni folder.

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 Tranmitter & 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

Important Notice

Nuvoton Products are neither intended nor warranted for usage in systems or equipment, any malfunction or failure of which may cause loss of human life, bodily injury or severe property damage. Such applications are deemed, "Insecure Usage".

Insecure usage includes, but is not limited to: equipment for surgical implementation, atomic energy control instruments, airplane or spaceship instruments, the control or operation of dynamic, brake or safety systems designed for vehicular use, traffic signal instruments, all types of safety devices, and other applications intended to support or sustain life.

All Insecure Usage shall be made at customer's risk, and in the event that third parties lay claims to Nuvoton as a result of customer's Insecure Usage, customer shall indemnify the damages and liabilities thus incurred by Nuvoton.