/\*! This definition is as a general definitions to bits in regiter or pins in the microcontroller.\*/

typedef enum {BIT0, /\*!< Bit 0 \*/

BIT1, /\*!< Bit 1 \*/

BIT2, /\*!< Bit 2 \*/

BIT3, /\*!< Bit 3 \*/

BIT4, /\*!< Bit 4 \*/

BIT5, /\*!< Bit 5 \*/

BIT6, /\*!< Bit 6 \*/

BIT7, /\*!< Bit 7 \*/

BIT8, /\*!< Bit 8 \*/

BIT9, /\*!< Bit 9 \*/

BIT10, /\*!< Bit 10 \*/

BIT11, /\*!< Bit 11 \*/

BIT12, /\*!< Bit 12 \*/

BIT13, /\*!< Bit 13 \*/

BIT14, /\*!< Bit 14 \*/

BIT15, /\*!< Bit 15 \*/

BIT16, /\*!< Bit 16 \*/

BIT17, /\*!< Bit 17 \*/

BIT18, /\*!< Bit 18 \*/

BIT19, /\*!< Bit 19 \*/

BIT20, /\*!< Bit 20 \*/

BIT21, /\*!< Bit 21 \*/

BIT22, /\*!< Bit 22 \*/

BIT23,/\*!< Bit 23 \*/

BIT24, /\*!< Bit 24 \*/

BIT25, /\*!< Bit 25 \*/

BIT26, /\*!< Bit 26 \*/

BIT27, /\*!< Bit 27 \*/

BIT28, /\*!< Bit 28 \*/

BIT29, /\*!< Bit 29 \*/

BIT30, /\*!< Bit 30 \*/

BIT31 /\*!< Bit 31 \*/

} BitsType;

typedef enum{FALSE, TRUE} BooleanType;

/\*! This definition is as a general definitions to bits turn-on or turn-off any bit\*/

typedef enum {BIT\_OFF, BIT\_ON} BIT\_ON\_OFF\_Type;

/\*! This data type is unsigned integer of 8 bits\*/

typedef unsigned char uint8;

/\*! This data type is signed integer of 8 bits\*/

typedef char sint8;

/\*! This data type is 16-bit unsigned integer\*/

typedef unsigned short int uint16;

/\*! This data type is 16-bit signed integer\*/

typedef short int sint16;

/\*! This data type is 32-bit unsigned integer\*/

typedef unsigned long int uint32;

/\*! This data type is 16-bit signed integer\*/

typedef long int sint32;