Qwiic Twist Register Map											
Byte Number	HEX	Register Name	Type	Read/Write	Power On Reset	Description					
0	0x00	id	byte	Read Only	0x5C	Unique Idenitifer					
1	0x01	status	byte	R/W	0x00	Status of the Qwiic Twist. 3:0 = buttonPressed(3), buttonClicked(2), buttonInterrupt(1), encoderInterrupt(0). Events must be cleared by user.					
2	0x02	firmware_MSB	unsigned int16	Read Only	0x0100	The current firmware version.					
3	0x03	firmware_LSB	anoigned intro	rtodd Omy	0,0100	The dancin minimale velociti.					
4	0x04	interruptEnable	byte	R/W	NVM/User Set	Set the bit to 1 to enable the interrupt for the button or encoder. buttonInterruptEnable(1), encoderInterruptEnable(0). Default is 0x03.					
5	0x05 0x06	encoderCount_LSB encoderCount_MSB	int16	R/W	0x0000	Value between 32767 and -32768 indicating the number of ticks the user has twisted the knob. 24 ticks per rotation.					
7 8	0x07 0x08	encoderDifference_LSB encoderDifference_MSB	int16	R/W	0x0000	Value between 32767 and -32768 indicating the number of ticks the user has twisted the knob since last movement. Must be cleared after each reading.					
9 10	0x09 0x0A	timeSinceLastMovement_LSB timeSinceLastMovement_MSB	unsigned int16	R/W	NVM/User Set	Value between 0 and 65535 indicating the number of milliseconds since last movement. Must be cleared after each reading.					
11 12	0x0B 0x0C	timeSinceLastButton_LSB timeSinceLastButton_MSB	unsigned int16	R/W	NVM/User Set	Value between 0 and 65535 indicating the number of milliseconds since last press/release event. Must be cleared after each reading.					
13	0x0D	ledBrightnessRed	byte	R/W	NVM/User Set	Value between 0 and 255 representing the brightness of the red LED. Default is 255.					
14	0x0E	ledBrightnessGreen	byte	R/W	NVM/User Set	Value between 0 and 255 representing the brightness of the green LED. Default is 255.					
15	0x0F	ledBrightnessBlue	byte	R/W	NVM/User Set	Value between 0 and 255 representing the brightness of the blue LED. Default is 255.					
16 17	0x10 0x11	ledConnectRed_LSB	int16	R/W	NVM/User Set	Value between 255 and -255 indicating the amount to change the red LED brightness with each tick movement of the encoder. Default is 0.					
18 19	0x12 0x13	ledConnectGreen_LSB ledConnectGreen_MSB	int16	R/W	NVM/User Set	Value between 255 and -255 indicating the amount to change the green LED brightness with each tick movement of the encoder. Default is 0.					

Qwiic Twist Register Map										
Byte Number	HEX	Register Name	Туре	Read/Write	Power On Reset	Description				
20	0x14	ledConnectBlue_LSB				Value between 255 and -255 indicating the amount to change the green LED brightness with each tick				
21	0x15	ledConnectBlue_MSB	int16	R/W	NVM/User Set	movement of the encoder. Default is 0.				
						Value between 0 and 65535 indicating the number of				
22	0x16	turnInterruptTimeout_LSB				milliseconds that must elapse after the last knob movement before the movement interrupt activates.				
23	0x17	turnInterruptTimeout_MSB	unsigned int16	R/W	NVM/User Set	Default is 250ms.				
						Value between 0x08 and 0x77 (inclusive) that is the address of this Qwiic Twist. Overridden if ADR jumper is				
24	0x18	i2cAddress	byte	R/W	NVM/User Set	closed (address becomes 0x3E). Default address is 0x3F.				