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),					
2	0x02	firmware_MSB	unsigned int16	Read Only	0x0100	The current firmware version.					
3	0x03	firmware_LSB	unsigned intro			THE CUITCH HITHWAIE VEISION.					
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 6	0x05 0x06	encoderCount_MSB encoderCount_LSB	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	0x07 0x08	encoderDifference_MSB encoderDifference LSB	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	0x09 0x0A	timeSinceLastMovement_MSB timeSinceLastMovement_LSB	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_MSB timeSinceLastButton_LSB	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	0x10	ledConnectRed_MSB				Value between 255 and -255 indicating the amount to change the red LED brightness with each tick movement					
17	0x11	ledConnectRed_LSB	int16	R/W	NVM/User Set	of the encoder. Default is 0.					
18 19	0x12 0x13	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.					
20	0x14	ledConnectBlue_MSB				Value between 255 and -255 indicating the amount to change the green LED brightness with each tick					

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