				Qwi	iic Step Register M	ар			
Byte Number	HEX	Register Name	Туре	Read/Write	Power On Reset	Description			
Number 0	0x00	id	byte	Read Only	0x60	Unique Identifier			
1	0x01	firmware LSB				·			
2	0x02	firmware MSB	unsigned int16	Read Only	0x0100	The current firmware version.			
3	0x03	interruptConfig	byte	R/W	NVM/User Set Default 0x00	isLimitedEnable(1), isReachedEnable(0)			
			.,			Status bits eStopped(5), isLimited(4), isReached(3), isDecelerating(2), isAccelerating(1),			
4	0x04	status	byte	R/W	0x00	isRunning(0).			
						Stop when limit switch is pressed (5). Disable stepper once requested position is reached (4). Disable motor on E-stop event(3). Micro-step config (2:0).			
5	0x05	config	byte	R/W	NVM/User Set Default (0b0010.0000)	stopOnLimitSwitchPress(5), disableMotorOnPositionReached(4), disableMotorOnEStop(3), MS3 (2), MS2(1), MS1(0)			
6	0x06	mode	byte	R/W	NVM/User Set Default 0x00	Available options: disableMotor(4), hardStop(3), runContinuous(2), runToPositionWithAccel(1), runToPosition(0)	runToPosition m	ode requires:	
7	0x07	currentPos 0		R/W	0	Current position		maxSpeed	
8	0x08	currentPos_1						move or moveTo	
9	0x09	currentPos_2	signed long					speed	
10	0x0A	currentPos_3						Does not implement accelerations	
11	0x0B	distanceToGo_0		R	0	Distance left to go	runToPositionWi	hAccel mode requires:	
12	0x0C	distanceToGo_1	signed long					maxSpeed	
13	0x0D	distanceToGo_2						acceleration	
14	0x0E	distanceToGo_3						move or moveTo	
15	0x0F	move_0	signed long	w	0* (see unlockMoveNVM)	Position to move if run command is issued relative to current position			
16	0x10	move_1					runContinuous n	ode requires:	
17	0x11	move_2						maxSpeed	
18	0x12	move_3						speed	
19	0x13	unlockMoveNVM	byte	W	0	When set to 0x59 the value of move register is written to NVM.		Does not implement accelerations	
20	0x14	moveTo_0	signed long	R/W	0	Position to move to if run to command is issued.			
21	0x15	moveTo_1					hardStop is used	in run mode:	
22	0x16	moveTo_2						hardStop will stop immediately	
23	0x17	moveTo_3						stop will decelerate to a stop	
24	0x18	maxSpeed_0	float	R/W	NVM/User Set	Max speed to run at if run to command is issued.		in other modes (runSpeed) both stop immediately	
25	0x19	maxSpeed_1							
26	0x1A	maxSpeed_2							
27	0x1B	maxSpeed_3							
28	0x1C	acceleration_0	float	R/W	NVM/User Set	Acceleration used if run or runTo mode is enabled.			
29	0x1D	acceleration_1							
30	0x1E	acceleration_2							
31	0x1F	acceleration_3							
32	0x20	speed_0		R/W	0* (see unlockSpeedNVM)	Speed to run at if run or runSpeedToPosition mode is enabled.			
33	0x21	speed_1	float						
34 35	0x22 0x23	speed_2 speed_3	1						
36	0x23	unlockSpeedNVM	byte	w	0	When set to 0xC4 the value of speed register is written to NVM.			
37	0x25	holdVoltage_0	byte	R/W	NVM/User Set	Hold voltage. Max of 3.3V.			
38	0x25 0x26	holdVoltage_1		POVV	Delault UX3F99999M OF 1.2V	Tiolu voltage. Wax 01 3.3V.			
39	0x26	holdVoltage_1	float						
40	0x28	holdVoltage_3							
					NVM/User Set				
41	0x29	runVoltage_0	float	R/W	Default 0x3F99999A or 1.2V	Run voltage. Max of 3.3V.			
42	0x2A	runVoltage_1							
43	0x2B	runVoltage_2							
44	0x2C	runVoltage_3							
45	0x2D	i2cAddress	byte	R/W	NVM/User Set Dafault 0x52	Value between 0x08 and 0x77 (inclusive) that is the address of this device. Overridden if ADR jumper is closed (address becomes ADR - 1).			
46	0x2E								
47	0x2F								
48	0x30								
49	0x31								