SW6208 Register List

1. History

V1.0: initial version for IC version 3;

V1.1: modify some description of REG0x12;

V1.2: for IC version 5;

V1.3: update company logo;

2. Register

Note: reserved bits should not be modified

2.1. REG 0x03: Key Config

Bit	Description	R/W	Default
7-6	Double click function definition	W/R	ОТР
	0: close boost		
	1: enter trickle current charge		
	2: open WLED		
	3: open trickle current charge piror to WLED if both modes enable		
5-4	Longkey function definition	W/R	ОТР
	0: open trickle current charge piror to WLED if both modes enable		
	1: close boost		
	2: enter trickle current charge		
	3: open WLED		
3-2	Short key event mapping usb plug	W/R	ОТР
	0: only open port A1 when short key event		
	1: only open port A2 when short key event		
	2: open port A1 and port A2 when short key event		
	3: nothing happen when short key event		
	Note: Csrc(unloading) restart when short key event		
1	Short key timing configuration	W/R	ОТР
	0: 32ms ~ 300ms low level		
	1: 32ms~500ms low level		
0	Response to short key event enable	W/R	ОТР
	0: no response		



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1: response according to reg0x03[3:2]	
Note this bit is valid only when discharger port opened under non-wireless	
charging mode.	

2.2. REG 0x04: Short Key Event

Bit	Description	R/W	Default
7-1	/	1	/
0	I2C write short key event	W/R	0x0
	0: nothing		
	1: short key event		
	This bit is automatically cleared by hardware		

2.3. REG 0x06: Led Status Indication

Bit	Description	R/W	Default
7-5		/	/
4	IRQ pin status	R	0x0
	0: IRQ pin high		
	1: IRQ pin low		
	Note this bit is 1 when led open.		
3	Undefined bit	W/R	0x0
	This bit can be written and read		
2	Charger status indication(debounce)	R	0x0
	0: charger off		
	1: charger on		
1	Led work status indication	R	0x0
	0: led close		
	1: led open		
0	/	R	0x0

2.4. REG 0x07: Key Event Status

Bit	Description	R/W	Default
7-3	/	/	/
2	short key pending bit	W/R	0x0



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	This bit is cleared by writing 1		
1	double click pending bit	W/R	0x0
	This bit is cleared by writing 1		
0	long key pending bit	W/R	0x0
	This bit is cleared by writing 1		

2.5. REG 0x08: Port Plug Out Status

Bit	Description	R/W	Default
7-6		1	/
5	Port Csnk plug out pending bit(SW6208 as sink)	W/R	0x0
	This bit is cleared by writing 1		
4	Port L plug out pending bit	W/R	0x0
	This bit is cleared by writing 1		
3	Port B plug out pending bit	W/R	0x0
	This bit is cleared by writing 1		
2	Port Csrc plug out pending bit(SW6208 as source)	W/R	0x0
	This bit is cleared by writing 1		
1	Port A2 plug out pending bit	W/R	0x0
	This bit is cleared by writing 1		
0	Port A1 plug out pending bit	W/R	0x0
	This bit is cleared by writing 1		

2.6. REG 0x09: Port Plug In Status

Bit	Description	R/W	Default
7-6	1	/	/
5	Port Csnk plug in pending bit	W/R	0x0
	This bit is cleared by writing 1		
4	Port L plug in pending bit	W/R	0x0
	This bit is cleared by writing 1		
3	Port B plug in pending bit	W/R	0x0
	This bit is cleared by writing 1		
2	Port Csrc plug in pending bit	W/R	0x0
	This bit is cleared by writing 1		
1	Port A2 plug in pending bit	W/R	0x0
	This bit is cleared by writing 1		
0	Port A1 plug in pending bit	W/R	0x0



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This bit is cleared by writing 1

2.7. REG 0x0A: BAT Anormal Case

Bit	Description	R/W	Default
7-5	/	/	/
4	vbat overvoltage (more than 4.6v in low voltage protocol) pending bit	W/R	0x0
	This bit is cleared by writing 1		
3	NTC overtempt pending bit	W/R	0x0
	This bit is cleared by writing 1		
2	charger overtime pending bit	W/R	0x0
	This bit is cleared by writing 1		
1	vbat overvoltage pending bit	W/R	0x0
	This bit is cleared by writing 1		
0	charger full event pending bit	W/R	0x0
	This bit is cleared by writing 1		

2.8. **REG 0x0B: System Anormal Case0**

Bit	Description	R/W	Default
7	/	/	/
6	dvdd OVP cleared bit	W/R	0x0
	writing 1 to this bit, reg0x21[5] will be cleared.		
	Note reg0x21[5] is dvdd OVP pending bit		
5	vbus L overvoltage pending bit	W/R	0x0
	This bit is cleared by writing 1		
4	vbus C overvoltage pending bit	W/R	0x0
	This bit is cleared by writing 1		
3	vbus B overvoltage pending bit	W/R	0x0
	This bit is cleared by writing 1		
2	UVLO pending bit	W/R	0x0
	This bit is cleared by writing 1		
1	OTP(over temperature protect) pending bit	W/R	0x0
	This bit is cleared by writing 1		
0	SCP/OLP(short circuit protect and over load protect) pending bit	W/R	0x0
	This bit is cleared by writing 1		

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2.9. **REG 0x0C: System Status**

Bit	Description	R/W	Default
7	Charger on/off(realtime)	R	0x0
	0: charger off		
	1: charger on		
6	Boost on/off(realtime)	R	0x0
	0: boost off		
	1: boost on		
5	/	1	/
4	Port L status	R	0x0
	0: port L off		
	1: port L on		
3	Port B status	R	0x0
	0: port B off		
	1: port B on		
2	Port C status	R	0x0
	0: port C off		
	1: port C on		
1	Port A2 status	R	0x0
	0: port A2 off		
	1: port A2 on		
0	Port A1 status	R	0x0
	0: port A1 off		
	1: port A1 on		

2.10. REG 0x0F: Protocol Indication

Bit	Description	R/W	Default
7	PD version	R	0x0
	0: PD2.0		
	1: PD3.0		
6-4	sink protocols is valided (SW6208 as sink)	R	0x0
	0: no fast charge valid		
	1: PD sink		
	2: /		
	3: HV sink		
	4: AFC sink		
	5: FCP sink		



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	6: SCP sink		
	7: PE1.1 sink		
3-0	source protocols is valided(SW6208 as source)	R	0x0
	0: no fast charge valid		
	1: PD source		
	2: PPS source		
	3: QC2.0 source		
	4: QC3.0 source		
	5: FCP source		
	6: PE2.0/1.1 source		
	7: SFCP source		
	8: AFC source	/\	
	9: SCP source		
	11-15: reserved		

2.11. **REG 0x12: ADC Config**

Bit	Description	R/W	Default
7-3	Reserved	/	/
2-0	Adc data type	R/W	0x0
	0: adc_vbat (1.2mv)		
	1: adc_vout (4mv)		
	2: adc_dietemp (1/6.82°C) Tdie = (adc_dietemp[11:0]-1839)/6.82;		
	3: adc_NTC(1.1mv when reg0x48[0]=1, 2.2mv when reg0x48[0]=0)		
	4: adc_ichg (25/11mA)		
	5: adc_idischg (25/11mA)		
	Other: reserved		
	Note NTC resistance is computed according to adc_NTC voltage and current.		
	current value reference reg0x48[0].		

2.12. REG 0x13: ADC Data High 8bit

Bit	Description	R/W	Default
7-0	ADC data high 8bit	R/W	0x0
	Adc_data[11:04]		

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2.13. **REG 0x14: ADC Data Low 4bit**

Bit	Description	R/W	Default
7-4	/	/	/
3-0	ADC data low 4bit	R/W	0x0
	Adc_data[03:00]		

2.14. **REG 0x18: Scenes Control enable**

Bit	Description	R/W	Default
7-5	/	1	/
4	Downstream close operation Close boost and downstream power path gates when writing '1' to this bit and this bit is automatically cleared by hardware. Note: the operation is similar to boost anormal case, leading to scenes change.	R/W	0x0
3-1	1	/	/
0	Charger close operation Close charger when the bit is '1' and release charger when the bit is '0'. Note: only operating charger and don't close upstream power path gate.	R/W	0x0

2.15. REG 0x19: Port Event Generate

Bit	Description	R/W	Default
7-6	7	/	/
5	Port Csrc plug out event(SW6208 as source)	R/W	0x0
	Csrc plug out (unloading)when write '1' to this bit and the bit is		
	automaltically cleared by hardware.		
	Note: it is valid only when typec source is attached		
4	Port Csrc plug in event	R/W	0x0
	Csrc plug in (when C connect) when write '1' to this bit and the bit is		
	automatically cleared by hardware		
3	Port A2 plug out event	R/W	0x0
	A2 plug out when write '1' when write '1' to this bit and the bit is		
	automatically cleared by hardware		
2	Port A2 plug in event	R/W	0x0
	A2 plug in when write '1' when write '1' to this bit and the bit is		
	automatically cleared by hardware		



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1	Port A1 plug out event	R/W	0x0
	A1 plug out when write '1' when write '1' to this bit and the bit is		
	automatically cleared by hardware		
0	Port A1 plug in event	R/W	0x0
	A1 plug in when write '1' when write '1' to this bit and the bit is		
	automatically cleared by hardware		

2.16. **REG 0x1A: Fast Charge Config0**

Bit	Description	R/W	Default
7-5	Reserved	R/W	ОТР
4	AFC source 12v enable	R/W	ОТР
	0: 9v enable		
	1: 12v enable		
3	FCP source 12v enable	R/W	ОТР
	0:9v		
	1:12v		
2	sink request max high voltage (SW6208 as sink)	R/W	ОТР
	0: request 12v		
	1: request 9v		
1	output max high voltage	R/W	ОТР
	0:12v		
	1:9v		
	Note: this voltage is unvalid for FCP and PD		
0	reserved	R/W	ОТР

2.17. **REG 0x1B: Fast Charge Config1**

Bit	Description	R/W	Default
7	Port A1 source fast charge	R/W	ОТР
	0: enable		
	1: disable		
6	Port A2 source fast charge	R/W	ОТР
	0: enable		
	1: disable		
5	Port C source fast charge	R/W	ОТР
	0: enable		



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	1: disable		
4	Port B sink fast charge	R/W	ОТР
	0: enable		
	1: disable		
3	Por C sink fast charge	R/W	ОТР
	0: enable		
	1: disable		
2	Port L sink fast charge	R/W	ОТР
	0: enable		
	1: disable		
1	Port B HV protocal sink enable	R/W	ОТР
	0: enable	/)	
	1: disable		
0	Port C HV protocol sink enable	R/W	ОТР
	0: enable		
	1: disable		

2.18. **REG 0x1C: Fast Charge Config2**

Bit	Description	R/W	Default
7-6	Reserved	R/W	ОТР
5	PD source enable	R/W	ОТР
	0: enable		
	1: disable		
4	PD sink enable	R/W	ОТР
	0: enable		
	1: disable		
3	PD high voltage close port C unloading detect	R/W	ОТР
	0: close port C unloading detect when PD high voltage		
	1: not close port C unloading detect when PD high voltage		
2	High volt SCP enable	R/W	ОТР
	0: enable		
	1: disable		
1	Port A1/A2 QC source enable	R/W	ОТР
	0: enable		
	1: disable		
0	FCP source enable	R/W	ОТР
	0: enable		
	1: disable		

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2.19. **REG 0x1D: Fast Charge Config3**

Bit	Description	R/W	Default
7	FCP sink enable	R/W	ОТР
	0: enable		
	1: disable		
6	PE source enable	R/W	ОТР
	0: enable		
	1: disable		
5	PE sink enable	R/W	ОТР
	0: enable		
	1: disable		
4	AFC source enable	R/W	ОТР
	0: enable		
	1: disable		
3	AFC sink enable	R/W	ОТР
	0: enable		
	1: disable		
2	SCP source enable	R/W	ОТР
	0: enable		
	1: disable		
	Note: reg0x1C[2] enable high volt SCP and reg0x2D[2] enable low volt SCP		
	when reg0x1D[2] enable		
1	SCP sink enable	R/W	ОТР
	0: enable		
	1: disable		
0	SFCP source enable	R/W	ОТР
	0: enable		
	1: disable		

2.20. **REG 0x1E: Fast Charge Config4**

Bit	Description	R/W	Default
7-5	1	R/W	ОТР
4	charge prior to discharge	R/W	ОТР
	0: charging battery while discharging to downstream port		
	1: charger prior to downstream plug		
3-2	Reserved	R/W	ОТР
1	Port C QC source enable	R/W	ОТР



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	0: enable		
	1: disable		
0	Reserved	R/W	ОТР

2.21. **REG 0x1F: Fast Charge Led Status**

Bit	Description	R/W	Default
7-5	/	R/W	/
3	Fast charge led status	R/W	0
	0: off		
	1: on		
2-0	Reserved	R/W	0

2.22. **REG 0x21: System Anormal Case 1**

Bit	Description	R/W	Default
7-6	Reserved	/	/
5	Vdd OVP pending bit	R	0x0
	Note this bit is cleared by writing '1' to reg0x0B[6]		
4-0	Reserved	/	/

2.23. REG 0x20: Wled Config

Bit	Description	R/W	Default
7-5	reserved	R/W	ОТР
4	mcu configure wled mode enable	R/W	ОТР
	0: disable		
	1: enable		
3-1	reserved	R/W	ОТР
0	Wled_mode	R/W	ОТР
	0: disable		
	1: enable		

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2.24. **REG 0x22: PD Command**

Bit	Description	R/W	Default
7-4	1	/	/
3-0	PD command	R/W	0x0
	1: send hardreset command		
	other: reserved		

2.25. REG 0x28: Typec Config

Bit	Description		R/W	Default
7-4	reserved		R/W	ОТР
3-2	Typec role configure	, 6 / 50	R/W	ОТР
	0: strong drp	1 U		
	1: only sink			
	2: only source			
	3: reserved			
1-0	Reserved		R/W	ОТР

2.26. REG 0x29: Typec Indication

Bit	Description	R/W	Default
7-4		/	/
3-2	reserved	R	0x0
1-0	Typec power role indication	R	0x0
	1: sink		
	2: source		
	0/3:no attach		

2.27. **REG 0x2A: PD Config0**

Bit	Description	R/W	Default
7	Reserved	R/W	ОТР
6	PD verison	R/W	ОТР
	0: PD 3.0		



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	1: PD 2.0		
5	PPS1 high voltage	R/W	ОТР
	0: 11V		
	1: 9V		
4-0	Reserved	R/W	ОТР

2.28. **REG 0x2B: PD Config1**

Bit	Description	R/W	Default
7-6	Reserved	R/W	ОТР
5	PPSO enable	R/W	ОТР
	0: enable		
	1: disable		
4	PD 5V/2A PDO enable	R/W	ОТР
	0: disable		
	1: resend 5v/2A PDO after sink request 5v/3A PDO		
3	PPS1 enable	R/W	ОТР
	0: enable		
	1: disable		
2-0	Reserved	R/W	ОТР

2.29. **REG 0x2C: PD Config2**

Bit	Description	R/W	Default
7-6	7	/	/
5-4	PD fixed 5V PDO current	R/W	ОТР
	0: 3.0A		
	1: 2.4A		
	2: 2.5A		
	3: 2.0A		
3-2	PD fixed 9V PDO current	R/W	ОТР
	0: 2.0A		
	1: 2.22A		
	2: 2.33A		
	3: 2.4A		
1-0	PD fixed 12V PDO current	R/W	ОТР
	0: 1.5A		



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1: 1.6A	
2: 1.67A	
3: 1.75A	

2.30. REG 0x2D: PD Config4

Bit	Description	R/W	Default
7-6	Reserved	/	/
5	PD enable when multi port opened	R/W	0x0
	0: enable	> ,	
	1: disable		
4-3	Reserved	R/W	ОТР
2	Low volt SCP enable	R/W	ОТР
	0:enable		
	1:disable		
1	Reserved	R/W	OTP
0	Samsung 1.2V mode enable	R/W	ОТР
	0: enable		
	1: disable		

2.31. REG 0x2E: Trickle Current Charge Control

Bit	Description	R/W	Default
7-6		/	/
4	Enter/exit trickle current charge	R/W	0x0
	0: nothing		
	1: enter/exit trickle current charge		
	This bit is automatically cleared by hardware		
3-1		/	/
0	Trickle current charge status	R	0x0
	0: normal charge		
	1: in trickle current charge		

2.32. **REG 0x30: Plug Out Config0**

Bit	Description	R/W	Default
7-6	unloading detect time when single port open	R/W	ОТР



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	0: 32s		
	1: 8s		
	2: 16s		
	3: 64s		
5-4	unloading detect time when multi port open	R/W	ОТР
	0: 32s		
	1: 8s		
	2: 16s		
	3: 64s		
3-1	unloading detect current threshold setting	R/W	ОТР
	VOUT<7.65V or VOUT>7.65V and reg0x30[0]=0:		
	0: 55mA	/\	
	1: 10mA		
	2: 25mA		
	3: 40mA		
	4: 70mA		
	5: 85mA		
	6: 100mA		
	7: 115mA		
	VOUT>7.65V and reg0x30[0] =1:		
	0: 30mA		
	1: 10mA		
	2: 5mA		
	3: 25mA		
	4: 40mA		
	5: 40mA		
	6: 55mA		
	7: 70mA		
0	Unloading detect current threshold change when vout > 7.65v	R/W	OTP
	0: not change		
	1: change		

2.33. **REG 0x31: Plug Out Config1**

Bit	Description	R/W	Default
7-6	Reserved	R/W	ОТР
5	Port A1/A2 dm detect enable	R/W	OTP
	0: enable		
	1: disable		
4	Cable compensate enable	R/W	ОТР



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	0: enable		
	1: disable		
3	Port A1 Load detect enable	R/W	ОТР
	0: enable		
	1: disable		
2	Port A2 Load detect enable	R/W	ОТР
	0: enable		
	1: disable		
1	/	/	/
0	close power enable when port C unloading	R/W	ОТР
	0: enable		
	1: disable		

2.34. **REG 0x32: Wireless Charge Config**

Bit	Description	R/W	Default
7	1	/	/
6-4	unloading detect current threshold setting for wireless mode	R/W	0x0
	VOUT<7.65V, or VOUT>7.65V and reg0x30[0]=0		
	0: 120mA		
	1: 30mA		
	2: 60mA		
	3: 90mA		
	4: 150mA		
	5: 180mA		
	6: 210mA		
	7: 240mA		
	VOUT>7.65V and reg0x30[0]=1		
	0: 60mA		
	1: 30mA		
	2: 30mA		
	3: 55mA		
	4: 70mA		
	5: 100mA		
	6: 100mA		
	7: 115mA		
3-2	unloading detect time for wireless mode	R/W	0x0
	0: 2min		
	1: 16s		
	2: 32s		



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	3: 64s			
1-0	wireless charge mode enable (mapping to port A2)	R/W	0x0	
	2: disable			
	3: enable			
	Other: reserved			

2.35. REG 0x33: Trickle Current Charge Config

Bit	Description	R/W	Default
7-2	1	1	/
1-0	trickle current charger mode enable	R/W	ОТР
	2: disable		
	3: enable		
	Other: reserved		

2.36. REG 0x40: Boost Config0

Bit	Description	R/W	Default
7-5	UVLO threshold	W/R	ОТР
	0: 2.8V		
	1: 2.7V		
	2: 2.9V		
	3: 3.0V		
	4: 3.1V		
	5: 3.2V		
	6; 3.3V		
	7: 3.4V		
4-3	UVLO hystersis	W/R	ОТР
	0: 0.5V		
	1: 0.4V		
	2: 0.6V		
	3: 0.7V		
2-1	Boost frequency	W/R	ОТР
	0: 400K		
	1: 300K		
	2: 500K		
	3: 600K		
0	Max output power	R/W	ОТР



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0: 18W	
1: 21W	

2.37. **REG 0x41: Boost Config1**

Bit	Description	R/W	Default
7-5	Reserved	W/R	ОТР
4-3	Vout offset setting	W/R	ОТР
	0: 100mV	> ,	
	1: 0mV		
	2: 50mV		
	3: 150mV		
2	constant current margin	R/W	ОТР
	0: 5%		
	1: 15%		
1	Reserved	W/R	ОТР
0	max output current setting when multi output port open	W/R	ОТР
	0: 3A		
	1: 4.2A		

2.38. **REG 0x42: Charger Config0**

Bit	Description	R/W	Default
7-5	input current setting when 9v input (port current)	R/W	ОТР
	0: 2.0A		
	1: 1.6A		
	2: 1.7A		
	3: 1.8A		
	4: 1.9A		
	5: 2.1A		
	6: 2.2A		
	7: 2.3A		
4-2	input current setting when 12v input (port current)	R/W	ОТР
	0: 1.5A		
	1: 1.1A		
	2: 1.2A		
	3: 1.3A		
	4: 1.4A		
	5: 1.6A		



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	6: 1.7A			
	7: 1.8A			
1-0	reserverd	R/W	OTP	

2.39. REG 0x43: Charger Config1

Bit	Description	R/W	Default
7-4	Port C input current setting when 5v input	R/W	ОТР
	0: 2.0A		
	1: 1.8A		
	2: 1.9A		
	3: 1.7A		
	4: 2.1A		
	5: 2.2A		
	6: 2.3A		
	7: 2.4A		
	8: 2.5A		
	9: 2.6A		
	A: 2.7A		
	B: 2.8A		
	C: 2.9A		
	D: 3.0A		
	E: 3.1A		
	F: 3.2A		
3-1	Port B/L input current setting when 5v input	R/W	ОТР
	0: 2.0A		
	1: 1.8A		
	2: 1.9A		
	3: 1.7A		
	4: 2.1A		
	5: 2.2A		
	6: 2.3A		
	7: 2.4A		
0	/	/	/

2.40. **REG 0x44: Charger Config2**

Bit Description R/W D	Default	
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7	/	/	/
6	charger end current threshold	R/W	ОТР
	0: 5v/230mA,9v/130mA,12v/100mA		
	1: 5v/270mA, 9v/150mA,12v/110mA		
5-3	charger 5V input voltage threshold	R/W	ОТР
	0: 4.6V		
	1: 4.7V		
	2: 4.8V		
	3: 4.9V		
	4: 4.2V		
	5: 4.3V		
	6: 4.4V	/ 1	
	7: 4.5V		
2-0	charger temperature loop set	R/W	ОТР
	0: 100℃		
	1: 105℃		
	2: 110℃		
	3: 115℃		
	4: 80℃		
	5: 85℃		
	6: 90℃		
	7: 95℃		

2.41. **REG 0x45: Charger Config3**

Bit	Description	R/W	Default
7-6		/	/
5-3	12V input voltage threshold	R/W	ОТР
	4: 11.215V		
	5: 11.215V		
	6: 11.321V		
	7: 11.429V		
	0: 11.538V		
	1: 11.650V		
	2: 11.765V		
	3: 11.881V		
2-0	9V input voltage threshold	R/W	ОТР
	4: 8.072V		
	5: 8.182V		
	6: 8.295V		



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7: 8.392V		
0: 8.490V		
1: 8.612V		
2: 8.738V		
3: 8.867V		

2.42. **REG 0x46: Charger Config5**

Bit	Description	R/W	Default
7-6	Charger frequency	R/W	ОТР
	0: 600K		
	1: 400K		
	2: 800K		
	3: 500K		
5-0	reserved	R/W	ОТР

2.43. **REG 0x47: NTC Config0**

Bit	Description	R/W	Default
7-6	NTC low temperature threshold for boost	R/W	ОТР
	0: -20°C		
	1:5℃		
	2:5℃		
	3:5℃		
5-4	NTC high temperature threshold for boost	R/W	ОТР
	0: 60℃		
	1: 50℃		
	2: 55℃		
	3: 65℃		
3	boost NTC protect function enable	R/W	ОТР
	0: enable		
	1: disable		
	Note: if protect function enable, boost will close when NTC temperatue is out		
	of threshold range.		
2	boost NTC temperature adaptive enable	R/W	ОТР
	0: enable		
	1: disable		
	Note: if adaptive enable, vout will drop 800mv/degree when NTC		
	temperature high than adaptation threshold.		



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1-0		/	/
	·	•	

2.44. **REG 0x48: NTC Config1**

Bit	Description	R/W	Default
7	charger JEITA rule enable	R/W	ОТР
	0: disable		
	1: enable		
6-5	NTC high temperature threshold for charger	R/W	ОТР
	0: 50℃		
	1: 45℃		
	2: 55℃		
	3: 60℃		
4-3	NTC low temperature threshold for charger	R/W	ОТР
	0: 0℃		
	1: 15℃		
	2: 15℃		
	3: 15℃		
2	Reserved	R/W	ОТР
1	boost NTC temperature adaptive hysteresis	R/W	ОТР
	0:5℃		
	1: 10℃		
0	NTC current flag	R	0x0
	0: 80uA		
	1: 40uA		

2.45. **REG 0x49: Temperature Config**

Bit	Description	R/W	Default
7	/	/	/
6-4	over temperature threshold for boost and charger	R/W	ОТР
	0: 130℃		
	1: 100℃		
	2: 110℃		
	3: 120℃		
	4:90℃		
	5: 140℃		
	6: 150℃		
	7: 160℃		



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3	boost temperature adaptive enable	W/R	ОТР	Ī
	0: enable			
	1: disable			
2-0	boost adaptive temperature setting	R/W	ОТР]
	0: 100℃			
	1: 105℃			
	2: 110℃			
	3: 115℃			
	4: 80℃			
	5: 85℃			
	6: 90℃			
	7: 95℃	7		

2.46. REG 0x57: Version Info

Bit	Description	1 V	R/W	Default	
7-3	/		/	/	
2-0	IC version		R	0x5	

2.47. **REG 0x73: Max Power Capacity Low 8bit**

Bit	Description	R/W	Default
7-0	Battery max capacity	R/W	-
	Bat_cap[7:0]		
	0.1695V.A.H/bit. For typical 3.7V 10000mAH battery, the max capacity is		
	3.7V * 10A.H = 37V.A.H		

2.48. REG 0x74: Max Power Capacity High 4bit

Bit	Description	R/W	Default
7-4	/	/	/
3-0	Battery max capacity	R/W	-
	Bat_cap[11:08]		

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2.49. **REG 0x7A: Charge Control**

Bit	Description	R/W	Default
7-6	Reserved	R/W	ОТР
5	Charge battery voltage set	R/W	ОТР
	0: normal		
	1: reduce bat voltage 0.1V		
4	Charge current set	R/W	OTP
	0: normal current		
	1: set by reg0x7A[3]		
3	Charge current	R/W	OTP
	0: 5V/9V12V 0.5A		
	1: 5V/9V12V 1A		
2-0	Reserved	R/W	ОТР

2.50. **REG 0x7E: Final Process Percent**

Bit	Description	R/W	Default
7	/	/	/
6-0	Final process percent 1%/step	R	0x0