

下表为板上TPS53640A芯片通过HPA172读出的寄存器的值。正常输出时候读出的寄存器值，以及电源不输出的时候读出寄存器的值，都在下表中列出。

Code	Command Name	Default Value	输出正常	输出异常
01h	OPERATION	00h	0h	0h
02h	ON_OFF_CONFIG	17h	17h	17h
03h	CLEAR_FAULTS	none		
10h	WRITE_PROTECT	00h	0h	0h
19h	CAPABILITY	B0h		
20h	VOUT_MODE	3Eh	3Eh	3Eh
21h	VOUT_COMMAND	Vboot	0 8Fh	0 97h
24h	VOUT_MAX	00C9h	0 FFh	0 FFh
25h	VOUT_MARGIN_HIGH	0000h	0 0h	0 0h
26h	VOUT_MARGIN_LOW	0000h	0 0h	0 0h
41h	VOUT_OV_FAULT_RESPONSE	80h	80h	80h
45h	VOUT_UV_FAULT_RESPONSE	00h	0h	0h
46h	IOUT_OC_FAULT_LIMIT	1.25*Imax	0 94h	0 94h
47h	IOUT_OC_FAULT_RESPONSE	C0h	C0h	C0h
4Ah	IOUT_OC_WARN_LIMIT	Imax	0 77h	0 77h
4Fh	OT_FAULT_LIMIT	0073h	0 73h	0 73h
50h	OT_FAULT_RESPONSE	80h	80h	80h
51h	OT_WARN_LIMIT	005Fh	0 5Fh	0 5Fh
55h	VIN_OV_FAULT_LIMIT	000Eh	0 Eh	0 Eh
5Bh	IIN_OC_FAULT_LIMIT	00FFh	0 FFh	0 FFh
5Ch	IIN_OC_FAULT_RESPONSE	C0h	C0h	C0h
5Dh	IIN_OC_WARN_LIMIT	00FFh	0 FFh	0 FFh
78h	STATUS_BYTE	/	2h	69h
79h	STATUS_WORD	/	0 2h	A8 69h
7Ah	STATUS_VOUT	/	0h	90h
7Bh	STATUS_IOUT	/	0h	0h
7Ch	STATUS_INPUT	/	0h	10h
7Dh	STATUS_TEMPERATURE	/	0h	0h
7Eh	STATUS_CML	/	2h	0h
80h	STATUS_MFR_SPECIFIC	/	0h	0h
88h	READ_VIN		D3 2h	D3 6h

89h	READ_IIN		BB B8h	B0 0h
8Bh	READ_VOUT		0 89h	0 0h
8Ch	READ_IOUT		DB 32h	B8 0h
8Dh	READ_TEMPERATURE_1		E8 26h	E8 77h
96h	READ_POUT			
97h	READ_PIN			
98h	PMBUS_REVISION	11h	11h	11h
99h	MFR_ID	54h	54 E5h	54 E5h
9Ah	MFR_MODEL	34h	33 EDh	33 EDh
9Bh	MFR_REVISION		0 62h	0 62h
D2h	MFR_SPECIFIC_02	02h	Error	Error
D4h	MFR_SPECIFIC_04		1 DDh	0 3Ch
D5h	MFR_SPECIFIC_05	00h	Error	Error
D8h	MFR_SPECIFIC_08	04h	Error	Error
D9h	MFR_SPECIFIC_09	O-USR pin	Error	Error
DAh	MFR_SPECIFIC_10	F-Imax pin	Error	Error
DBh	MFR_SPECIFIC_11	B-Tmaxr pin	Error	Error
DCh	MFR_SPECIFIC_12	F-Imax and B-Tmaxr	Error	Error
DDh	MFR_SPECIFIC_13	Slew-mode	Error	Error
DEh	MFR_SPECIFIC_14	B-Tmaxr and Skip-ramp	Error	Error
DFh	MFR_SPECIFIC_15	00h	Error	Error
E0h	MFR_SPECIFIC_16	00h	Error	Error
E2h	MFR_SPECIFIC_18	50h	Error	Error
E4h	MFR_SPECIFIC_20	Hardware Specific	Error	Error
FCh	MFR_SPECIFIC_44	00D3h	0 D3h	0 D3h