



BM1383AGLV specification change

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Sensor Development Dept.

BM1383AGLV register map

■ BM1383AGLV

Address	Register name	RW	D7	D6	D5	D4	D3	D2	D1	D0
0Fh	ID1	R	1	1	1	0	0	0	0	0
10h	ID2	R	0	0	1	1	0	0	1	0
12h	POWER_DOWN	RW	0	0	0	0	0	0	0	PWR_DOWN
13h	RESET	RW	0	0	0	0	0	0	0	RSTB
14h	MODE_CONTROL	RW	AVE_NUM			DREN	1	0	MODE	
19h	STATUS	R	0	0	0	0	0	0	0	RD_DRDY
1Ah	PRESSURE_MSB (Upper 8bit)	R	PRESS_OUT[15:8]							
1Bh	PRESSURE_LSB (Lower 8bit)	R	PRESS_OUT[7:0]							
1Ch	PRESSURE_LSB (Least 6bit)	R	PRESS_OUT_XL[5:0]						0	0
1Dh	TEMPERATURE_MSB (Upper 8bit)	R	TEMP_OUT[15:8]							
1Eh	TEMPERATURE_LSB (Lower 8bit)	R	TEMP_OUT[7:0]							

■ BM1383GLV

Address	Register name	RW	D7	D6	D5	D4	D3	D2	D1	D0
10h	ID	R	0	0	1	1	0	0	0	1
11h	RESET_CONTROL	W	SW_RESET	INT_RESET	0	0	0	0	0	0
12h	POWER_DOWN	RW	0	0	0	0	0	0	0	PWR_DOWN
13h	RESET	RW	0	0	0	0	0	0	0	RSTB
14h	MODE_CONTROL	RW	AVE_NUM			0	T_AVE	MODE		
15h	INT_H_TH_MSB (Upper 8bit)	RW	PDTH_H[15:8]							
16h	INT_H_TH_LSB (Lower 8bit)	RW	PDTH_H[7:0]							
17h	INT_L_TH_MSB (Upper 8bit)	RW	PDTH_L[15:8]							
18h	INT_L_TH_LSB (Lower 8bit)	RW	PDTH_L[7:0]							
19h	INT_CONTROL	RW	INT_H_STATUS	INT_L_S TATUS	INT_H_EN	INT_L_EN	INT_PU _EN	0	INT_MODE	INT_EN
1Ah	Reserved	R	Reserved							
1Bh	Reserved	R	Reserved							
1Ch	PRESSURE_MSB (Upper 8bit)	R	PRESS_OUT[15:8]							
1Dh	PRESSURE_LSB (Lower 8bit)	R	PRESS_OUT[7:0]							
1Eh	PRESSURE_LSB (Least 6bit)	R	PRESS_OUT_XL[5:0]						0	0

Change of register map

■ interrupt

- Threshold function is removed. (Pin name is changed from INT to DRDY)
- Interrupt is cleared by reading “STATUS” register instead of setting clear register.
- EN register is moved to D4 in address 14h.
- Status register is moved to D0 in address 19h.

■ pressure data and temperature data

- Address between pressure and temperature is exchanged

Address	BM1383AGLV	BM1383GLV
0x1A	PRESS_OUT[15:8]	-
0x1B	PRESS_OUT[7:0]	-
0x1C	PRESS_OUT_XL[5:0], 2'b00	PRESS_OUT[15:8]
0x1D	TEMP_OUT[15:8]	PRESS_OUT[7:0]
0x1E	TEMP_OUT[7:0]	PRESS_OUT_XL[5:0], 2'b00

■ SW_RESET

- Removed

Change of register map

■ ID register

register	address	BM1383AGLV	BM1383GLV
ID1	0Fh	E0h	00h
ID2	10h	32h	31h

■ measurement mode

On continuous mode interval time is automatically set.

MODE	BM1383GLV			BM1383AGLV			
000	Stand by			Stand by			
001	One shot			One shot		Number of measurement	Measurement interval
010	continuous	50 ms	⇒	continuous		1~16	50 ms
011		100 ms		prohibited		32	100 ms
100		200 ms		prohibited		64	200 ms

