



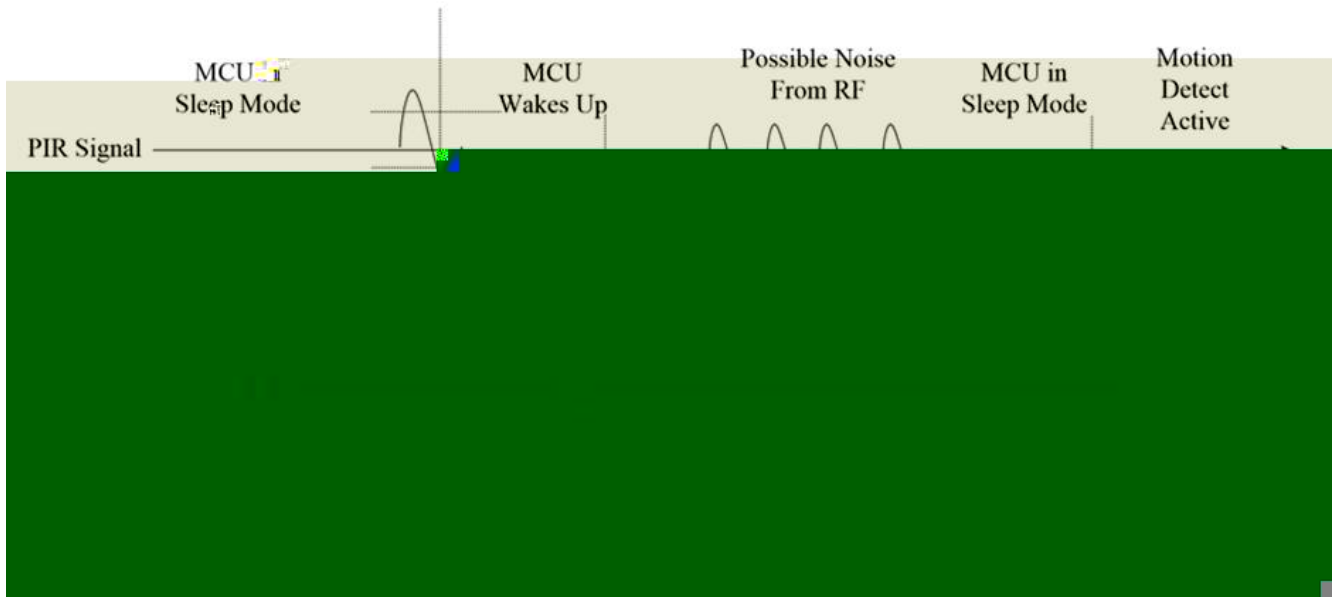
森霸传感科技股份有限公司

SENBA SENSING TECHNOLOGY CO., LTD.



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SENBA SENSING TECHNOLOGY CO., LTD.



6 (SERI N)

SERI N

I NT/DOCI

SERI N

16

RS412

3.2

SERI N

DOCI

:

1)

/

6.5 v

=

*6.5 v

2)

0

:

0.5s ~ 8s

=

*0.5s

3)

1 ~ 4

=

+1

4)

2s-8s

=

*2s+2s

5)

0 =

1 =

6)

ADC

16



0 = 1 =

7) ADC

ADC	ADC	:
PI R	BFP	= 0
PI R	LPF	= 1
	= 2	
	= 3	



%0A&Nlcpα f A Æ

MCU

2

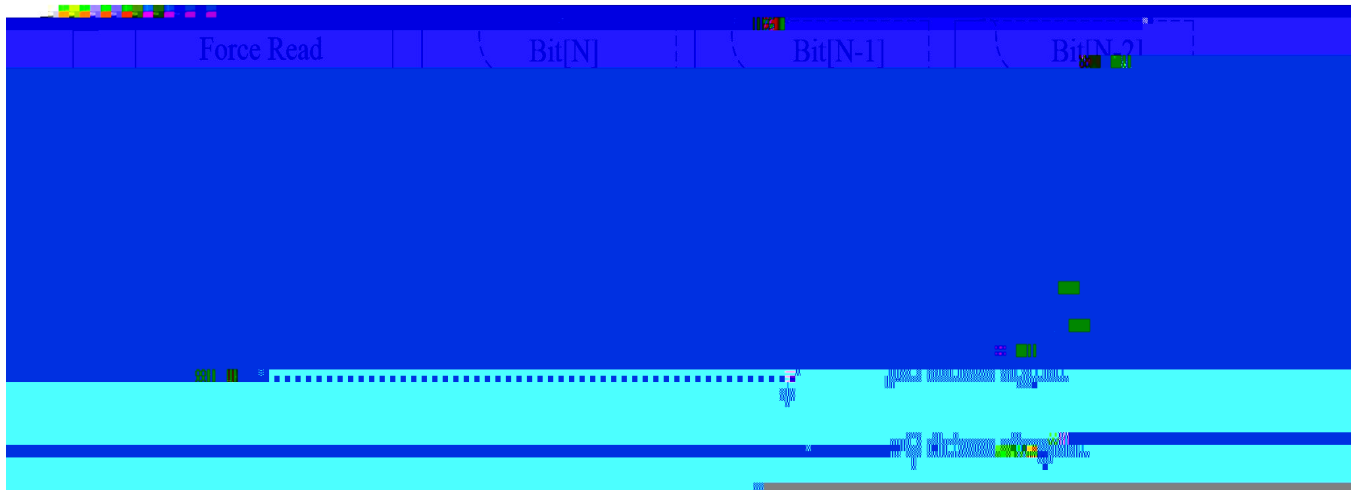
DOCI

(tFR)

4

DOCI

" 0"



ADC

DOCI B I NTR

ADC

512





[16:13]	[3:0]	" H" " L"
[12:11]	[1:0]	
[10:9]	[1:0]	
[8]		0= 1 =
[7]		0= 1 =
[6:5]	[1:0] ADC	0 = PI R (HPF) 1 = PI R (LPF) 2 = 3 =
[4:1]		
[0]		1= 0=

4.

4.1 PIR

1)

$$VPIR = (ADC_{out} - ADC_{offset}) * 6.5 \text{ v}$$

2)

$$VPIR = ADC_{out} * 6.5 \text{ v}$$

4.2

$$VDD = (ADC_{out} - ADC_{offset}) * 650 \text{ V}$$

4.3

$$ADC_{offset}(Tcal) = Tcal + (ADC_{out} - ADC_{offset}(Tcal)) / 80 * count / K$$

$$ADC_{offset} @ VIN = 0 = 2^{13}$$

$$ADC_{offset}(Tcal) = ADC_{offset} @ VIN = 8200 @ 300k$$



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1	35	95 RH	500H			
2	-40	500H			3H	:1
3	80	500H				
4	-40	1H/	1H/40	1H/10	2	
5	260± 5	10S			15	



