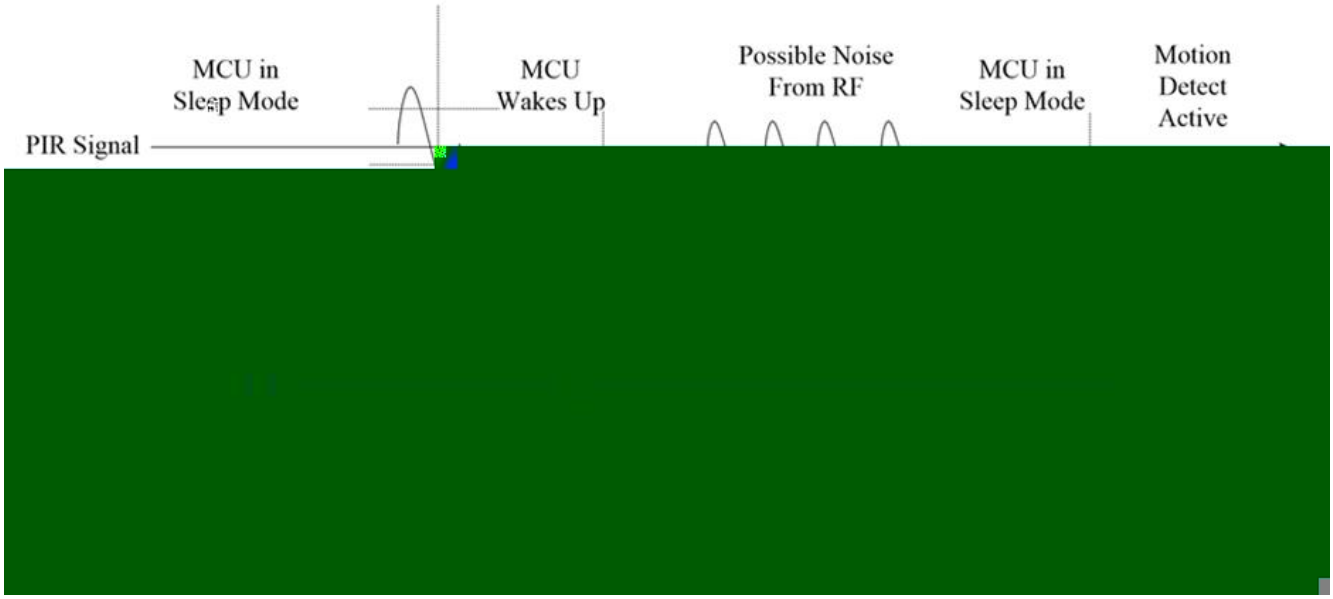



6 (SERIN)

SERIN

INT/DOCI SERIN 16 RS412

3.2

SERIN 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 :

PIR BFP = 0

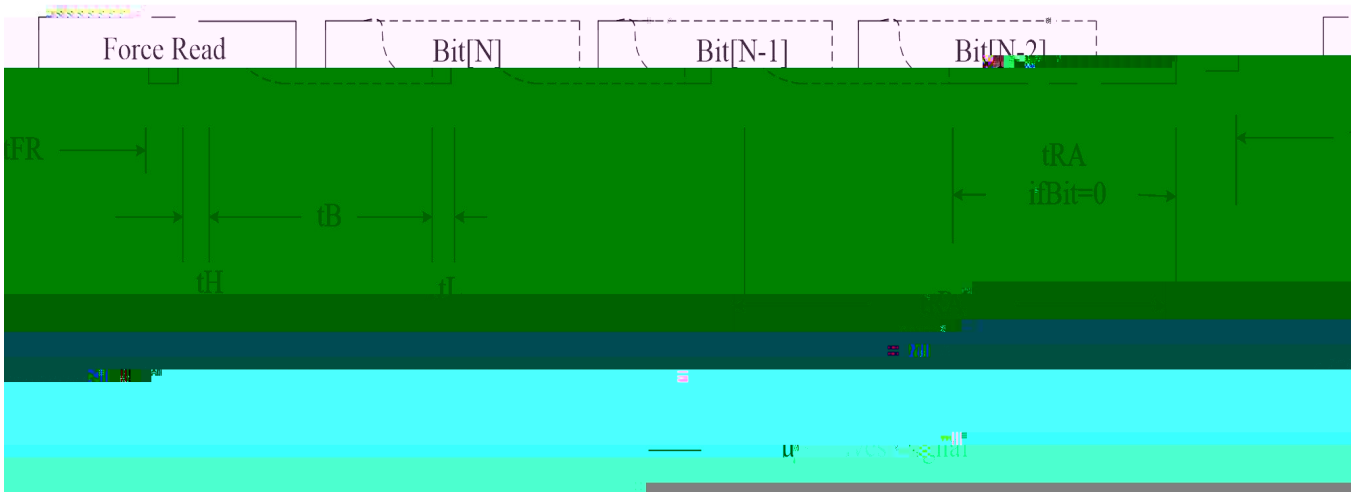
PIR LPF = 1

= 2

= 3

MCU 2 (tFR) DOCI

DOCI 4 “0”



ADC DOCI INTR 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 = PIR (HPF) 1 = PIR (LPF) 2 = 3 =
[4:1]		
[0]		1= 0=

4.

4.1 PIR

1)
ADC [6:5] PIR LPF (=1)
VPIR = (ADC_out - ADC_offset) * 6.5 v

2)
ADC [6:5] PIR HPF (=0)
VPIR = ADC_out * 6.5 v

4.2

ADC [6:5] (=2)
VDD = (ADC_out - ADC_offset) * 650 V.

4.3

ADC [6:5] (=3)
= Tcal + (ADC_out - ADC_offset(Tcal)) / 80 * count /K
ADC_offset = ADC @ VIN = 0 = 2^13
ADC_offset(Tcal) = ADC = 8200@300k

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

3H :1

2

15