

BRCM24C32SC SOP-8 32 Kbit I²C

1.7V	2.5~5.5V	1Mhz	1.7~2.5V
400Khz			
CMOS	400uA	1.6mA	

Pin	Name	Type	Description
1	E0	Input	
2	E1	Input	
3	E2	Input	
4	GND	Ground	
5	SDA	I/O	/
6	SCL	Input	
7	WCB	Input	
8	VCC	Power	

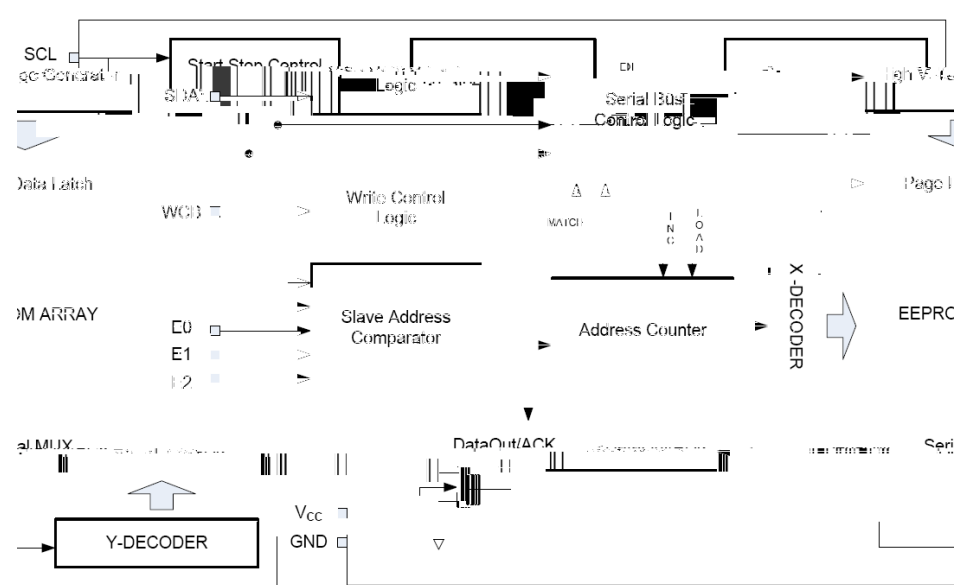
			mA
			V

		Ñ				



		≤			≤			

≤



(1) SCL

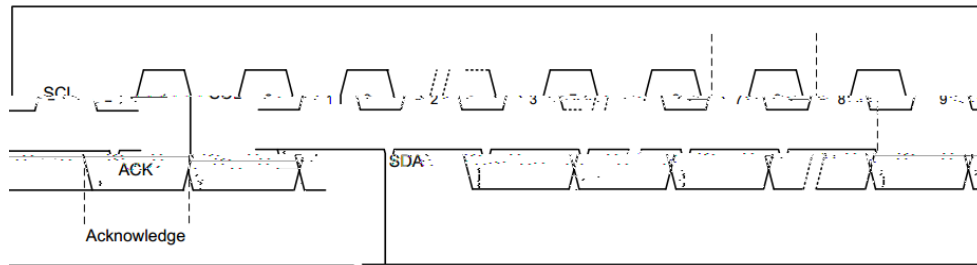
Figure 1 Data Validity

SDA

SDA

Figure 2 Start and Stop Definition

“ 0 ”



E2E1E0

E0

0

8

1

8

/

E2E1

0

H

BRCM24C32SC

WCB

Vcc

H

8

BRCM24C32SC

“ 0 ”

8

8

BRCM24C32SC

“ 0 ”

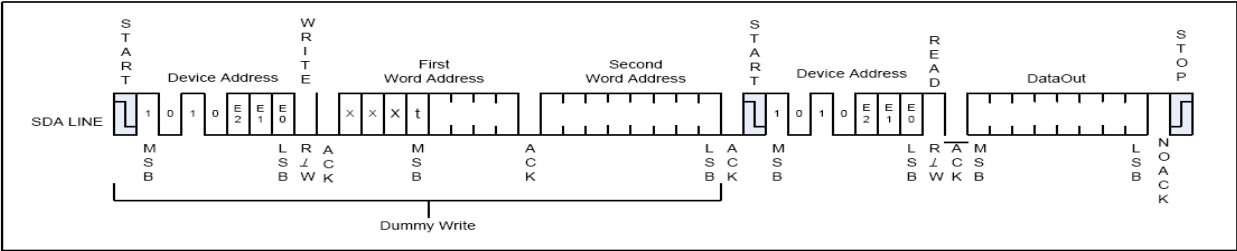
BRCM24C32SC

BRCM24C32SC

(5)

H

BRCM24C32SC



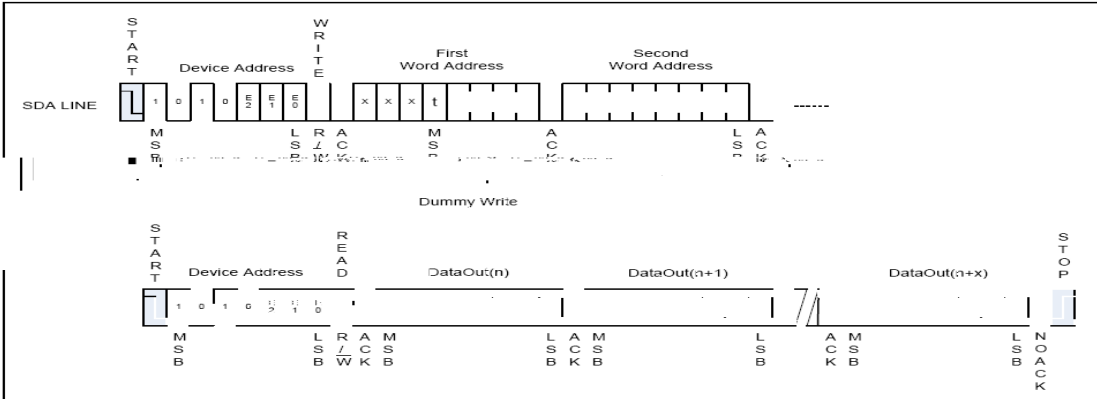
Notes: [1] x means don't care bits.
[2] t means don't care bit for BRCM24C32SC

Figure 8 Random Address Read

H

BRCM24C32SC

“ 0 ”



Notes: [1] x means don't care bits.
[2] t means don't care bit for BRCM24C32SC

Figure 9

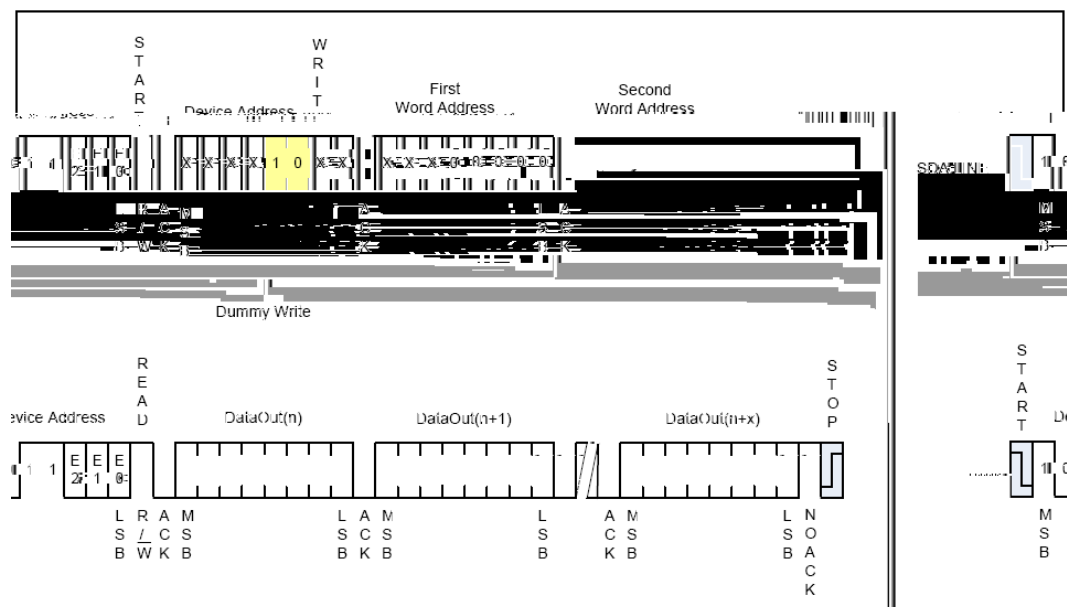
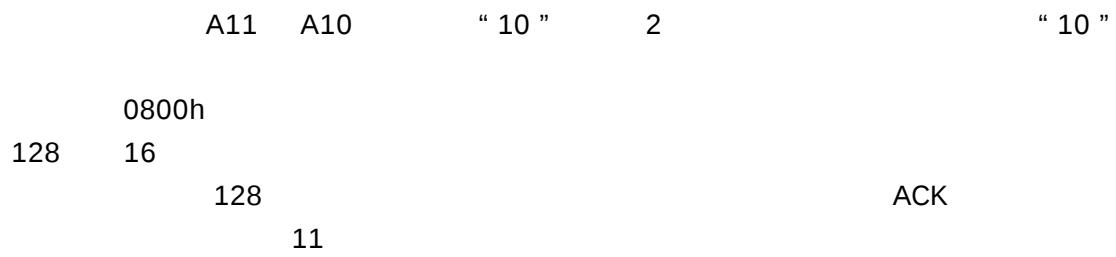
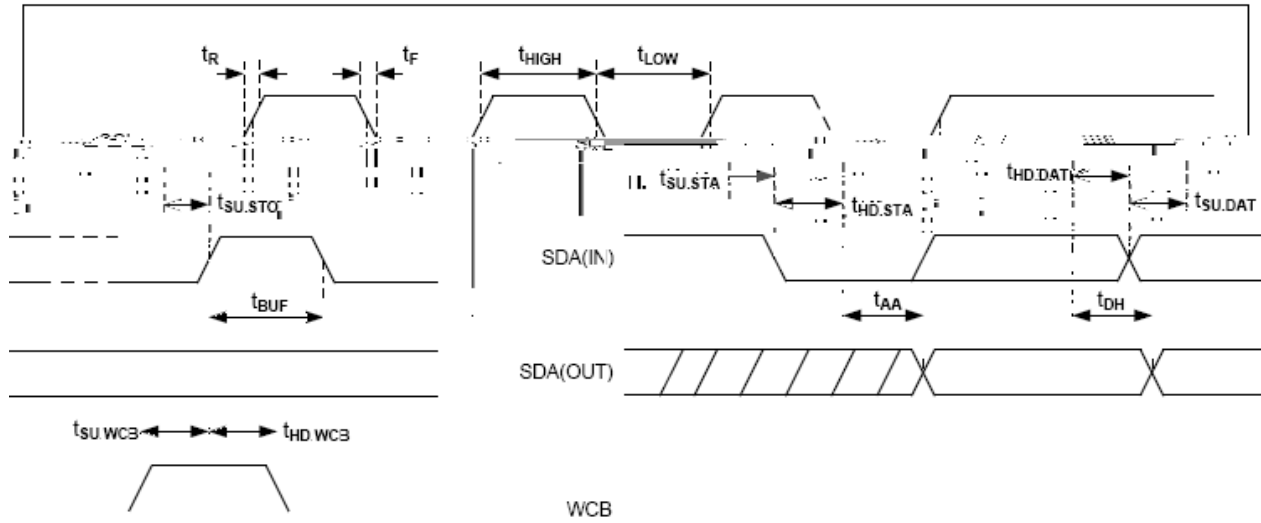
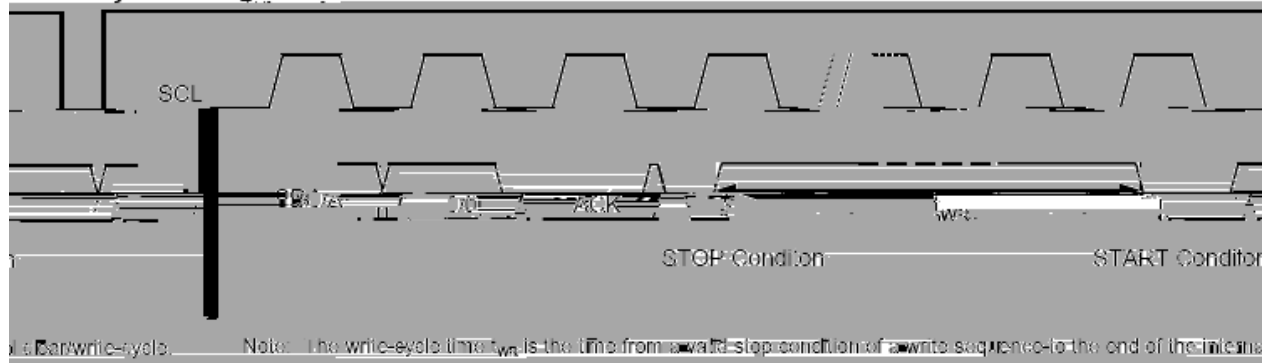


Figure 11 Sequential Read

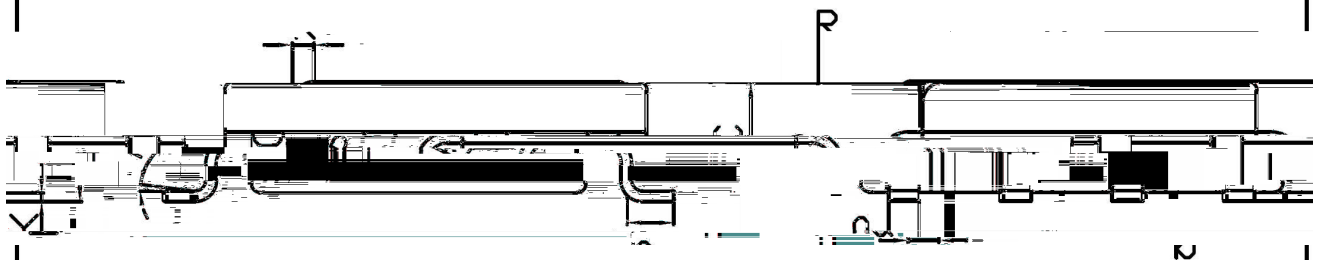
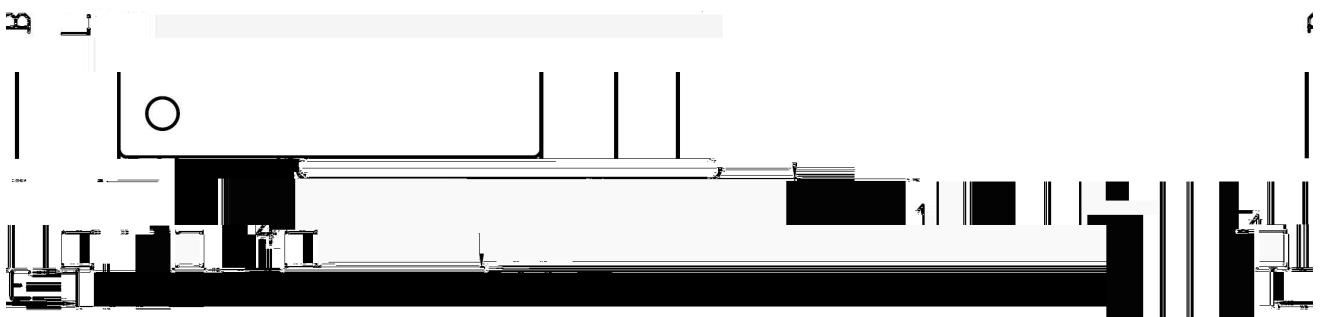
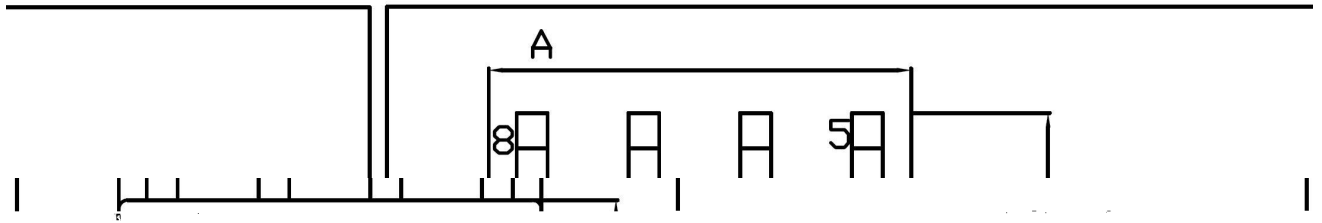
Bus Timing



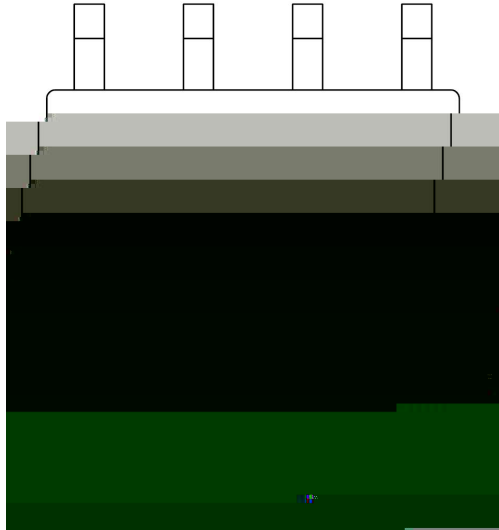
Write Cycle Timing



0.5mm

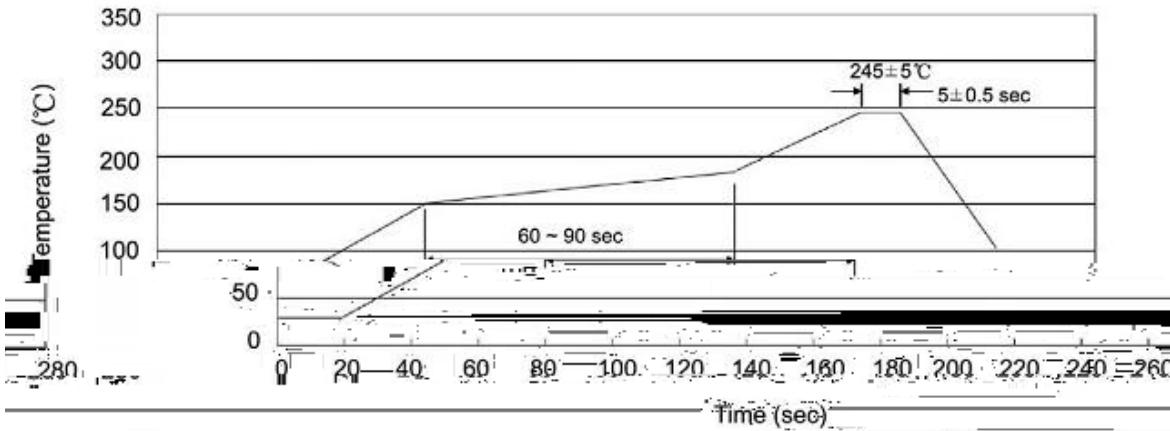


Dimensions In. Millimeters				Dimensions In. Millimeters			
Symbol	Max.	Min.	Typ.	Symbol	Max.	Min.	Typ.
A	1.75	1.45	1.60	B	4.70	4.30	4.50
C	5.80	5.40	5.60	D	10.30	9.90	10.10
E	1.27BSC	1.27	1.27	P	0°	0°	7°
F	2.54	2.54	2.54	G	2.12	2.12	2.12



24C32

Temperature Profile for IR Reflow Soldering(Pb-Free)



± ± ± ±

± ± ± ±

封装形式	包装数量					包装尺寸		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box 盒	Outer Box 箱
SOP/ESOP-8	4,000	2	8,000	6	48,000	13 ×12	360×360×50	380×335×366