

BRCM24C04SC



DATA SHEET

/ Pinning

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

/ Marking

/ Absolute Maximum Ratings(Ta=25)

			mA
			V

/ Reliability Characteristic

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DATA SHEET

		≤			≤ ≤			

/ Functional Description

/ Data Input

SDA

SDA

SCL

(1) SCL

SDA

(1)

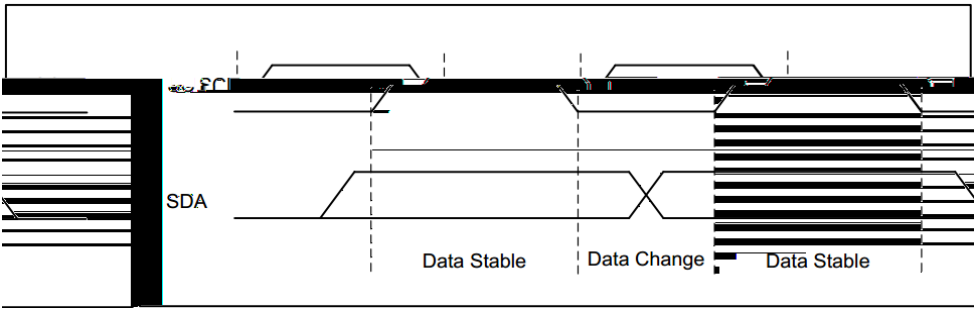


Figure 1 Data Validity

/ Start Condition

SCL

SDA

2

/ Stop Condition

SCL

SDA

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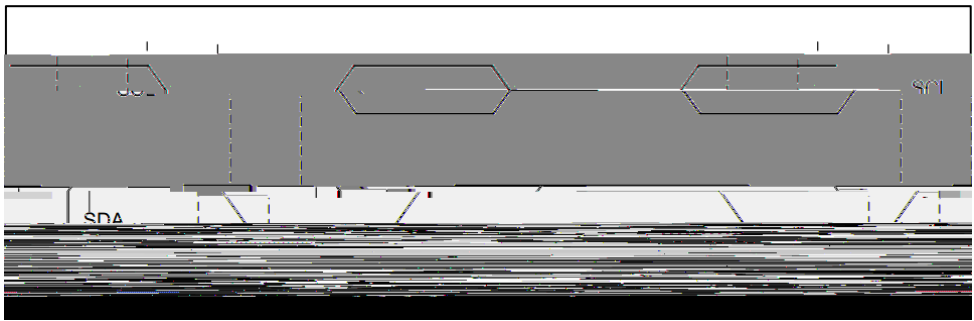


Figure 2 Start and Stop Definition

ACK / Acknowledge

ACK

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“ 0 ”

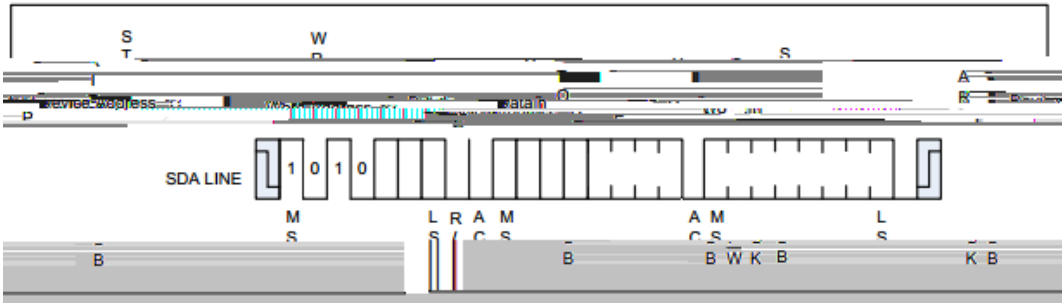
9

/ Functional Description

/ Functional Description

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/ Functional Description

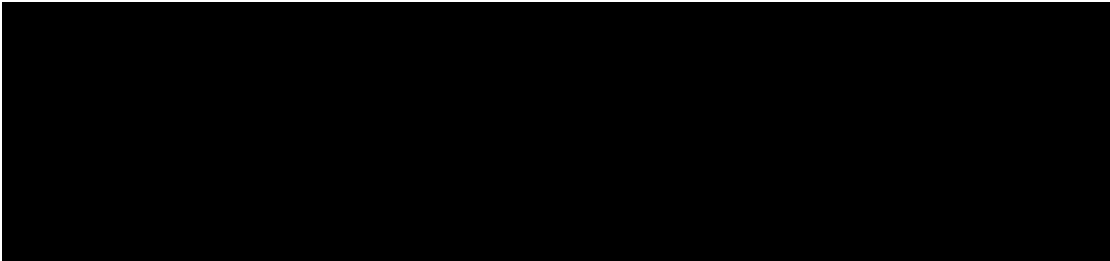


/ Page Write

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“ 0 ”

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4

BRCM24C04SC

16

ε

M

/ Functional Description

/ Acknowledge Polling

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/

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" 0 "

/ Write Identification Page

16

(a)

1011b

(b)

A5 / A4

0 1

A7 / A6

" 00 "

(c)

A3 / A0

NoACK

/ Lock Identification Page

ID

Lock ID

(a)

1011b;

(b)

A6

1

;

(c)

xxxx xx1x

x

0

1

/ Functional Description

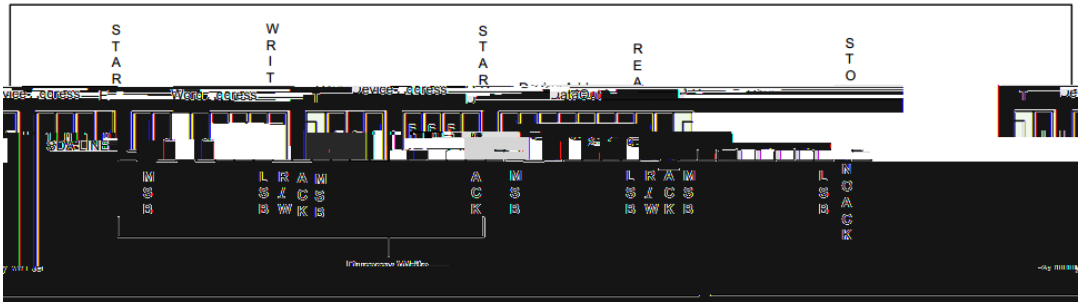


Figure 8 Random Address Read

/ Sequential Read

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“ 0 ”

9

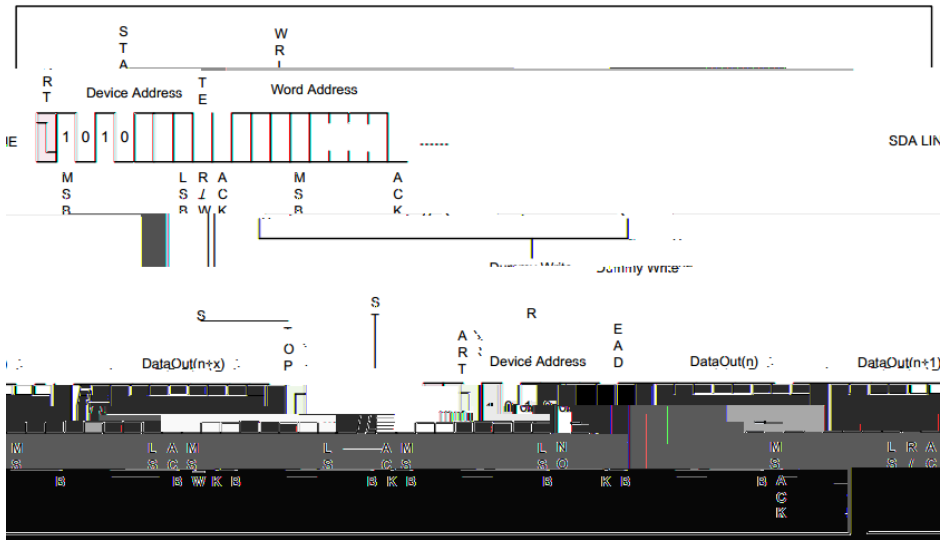
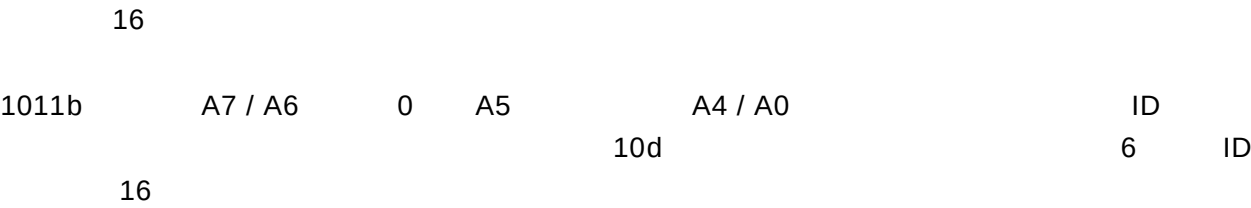


Figure 9

/ Functional Description

/ Read Identification Page



/ Read the Lock Status

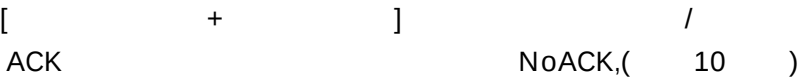
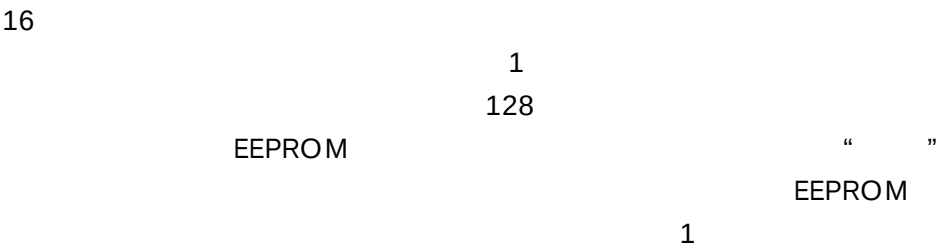


Figure 10 Lock Status Read (When Identification page locked, return NoACK after one data byte)

/ Read Serial Number



/ Functional Description

A7

A6

“ 10 ”

2

“ 10 ”

80h

128

16

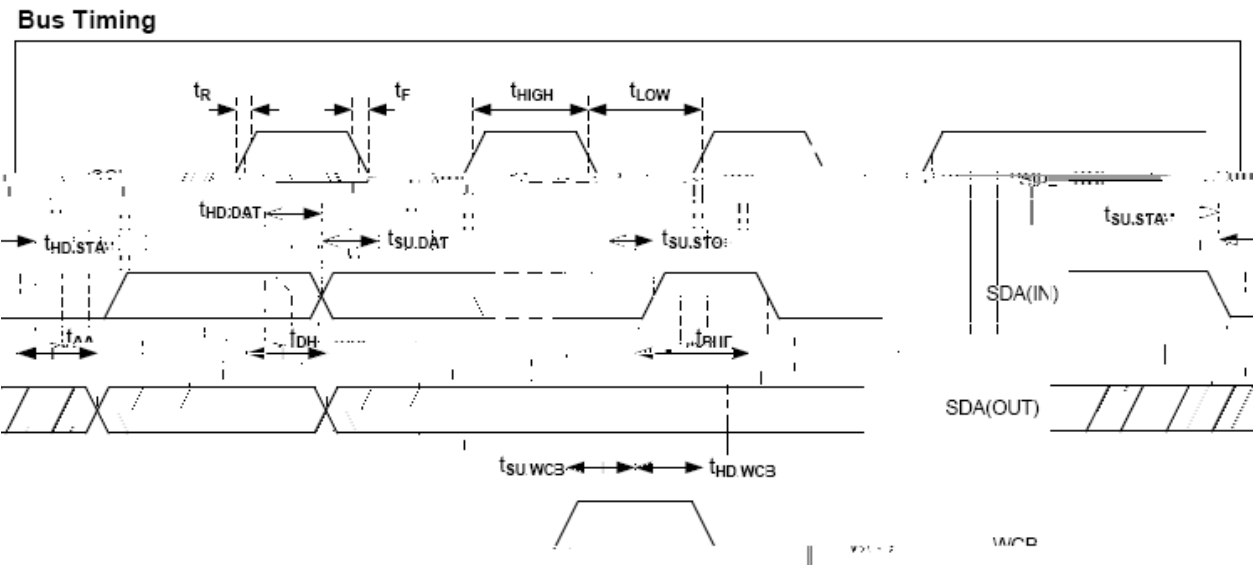
128

7

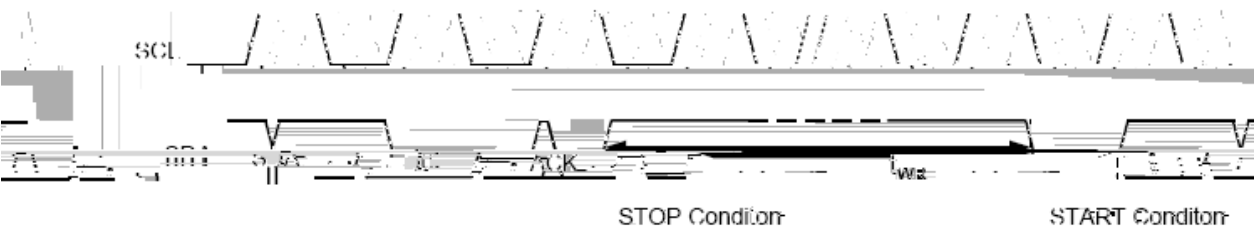
ACK

□

/ Time Sequence Diagram

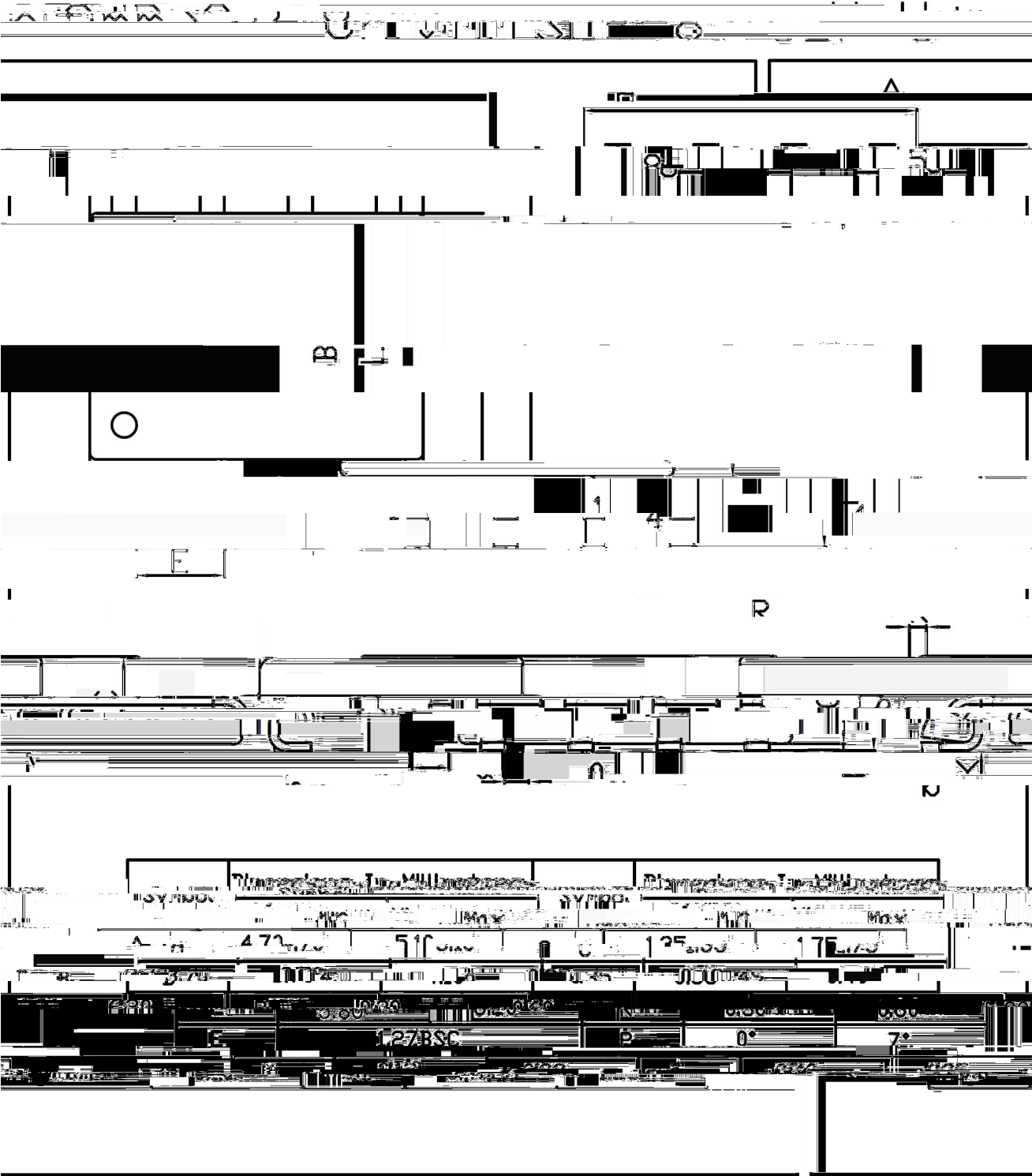


Write Cycle Timing

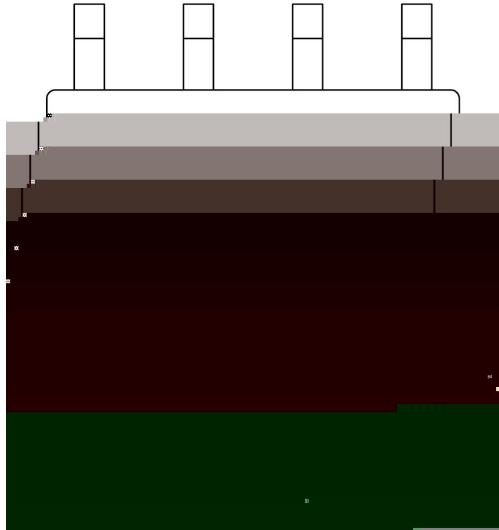


start/write cycle. Note: The write cycle time t_{WZ} is the time from a valid stop condition of a write sequence to the end of the internal clock

/ Package Dimensions

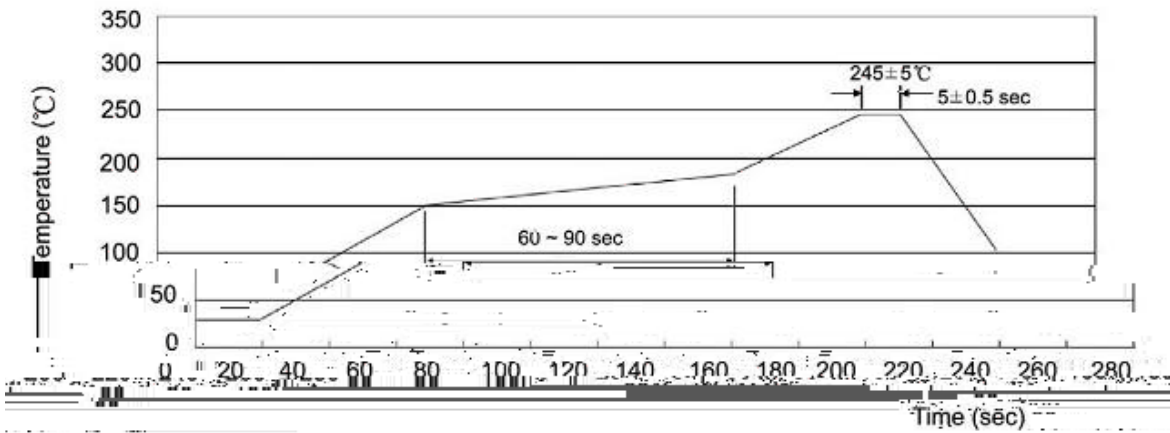


/ Marking Instructions



24C04

() / Temperature Profile for IR Reflow Soldering(Pb-Free)



± ± ± ±

Y / Resistance to Soldering Heat Test Conditions

					±	±
