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: 51 LED -
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Springer Taylor&Francis)

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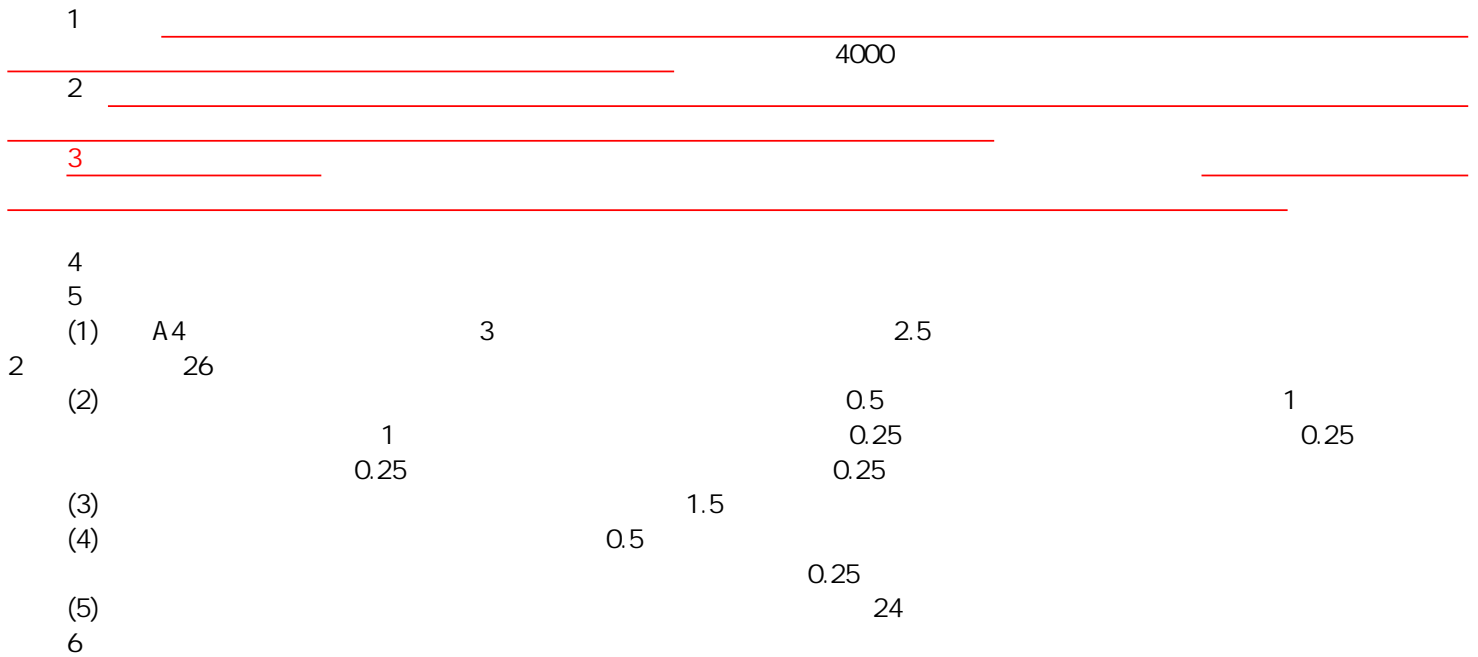
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8	-201530000813-1		1.5% 85
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	-	- 2018-05-27	



51 LED

3171



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1. AT89C51	2
2. LED	3
3. 74LS04.....	4
4. 74LS245.....	4
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51 LED

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AT89C51 LED

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1. AT89C51

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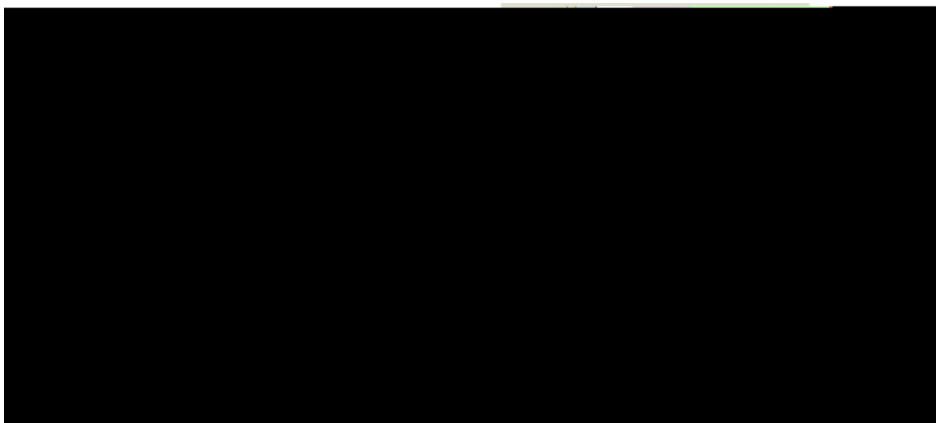
CMOS 8
100

MCS-51

MCS-51

16

1 AT89C51



2 AT89C51

2
VCC:
VSS
19 :
18 :
32-39 : PO 8
1-8 : P1 8
: P3
9 :
29
30 : PROG EPROM EPROM 21V
31
2. LED
LED

LED
6x8 8x8 ; LED 16x16 8x8 5x7 5x8
8x8 64 LED LED
LED LED () LED () LED - () - ()

LED

3. 74LS04
74LS04

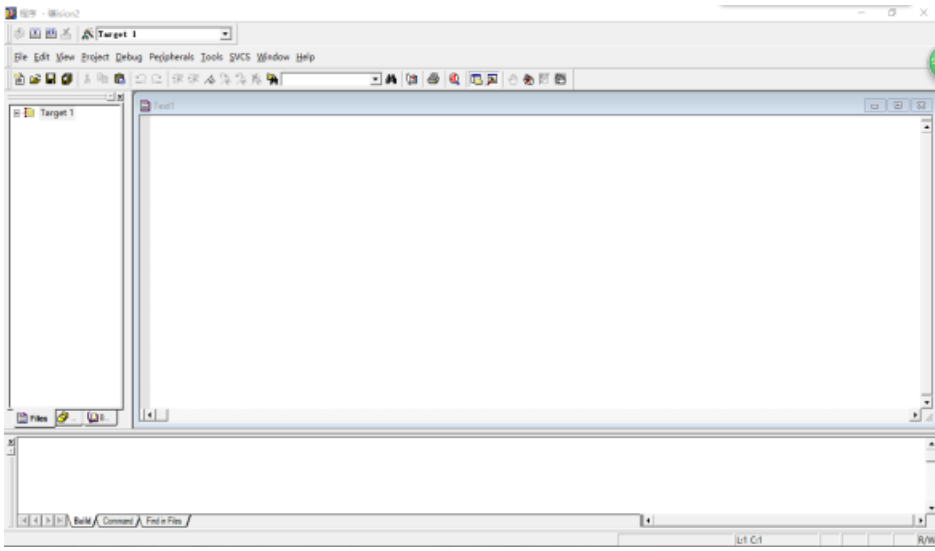
TTL

T4 T3
4. 74LS245
74LS245 51
8 PO PO PO
Rb1 T2

1.1 Keil uVision2
Keil C
KEILC51 8051 C51
uVision2



3 Keil



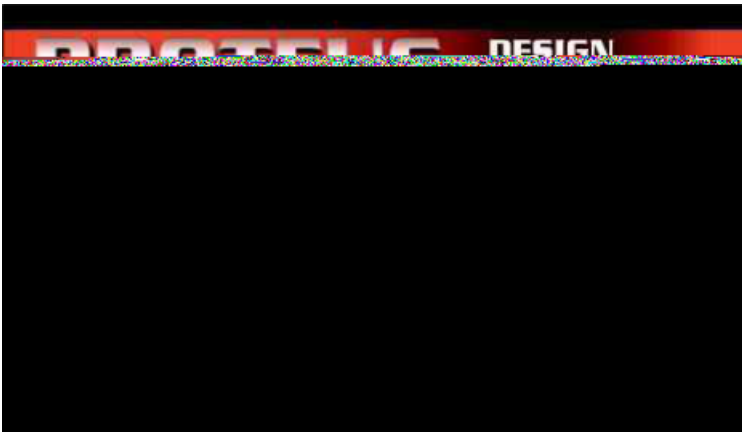
4 Keil

1.2 Proteus
 Proteus Lab Center Electronics EDA

PCB

VSM

RS232



5 Proteus



6 Proteus

2.

`#include<reg51.h>`

`#include<intrins.h>`

`unsigned char code led[]={0x3c,0x18,0x18,0x18,0x18,0x18,0x18,0x18,0x3c,`
`0x00,0x66,0x99,0x81,0x42,0x24,0x18,0x00,`
`0x42,0x24,0x18,0x18,0x18,0x18,0x18,0x18,`

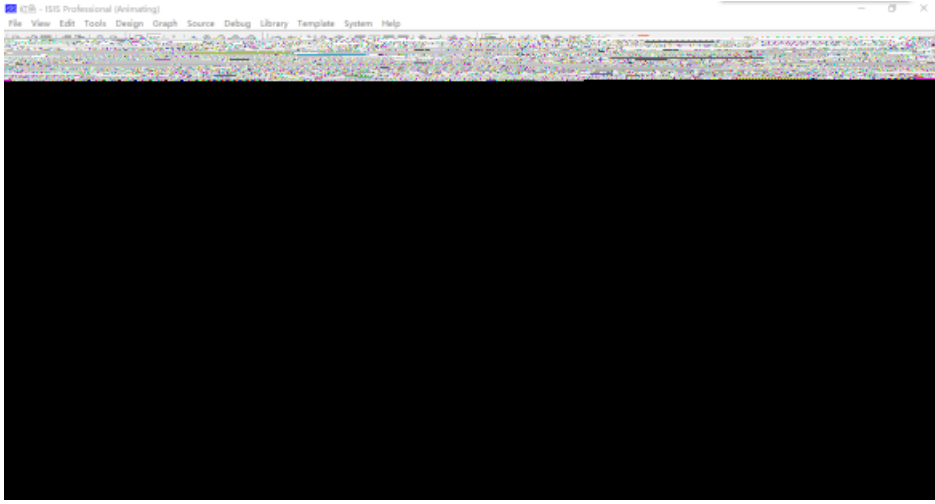
`0x00,0x00};`

`void delay_ms(unsigned int x)`

`{`
`unsigned int i,j;`
`for(i=x;i>0;i--)`

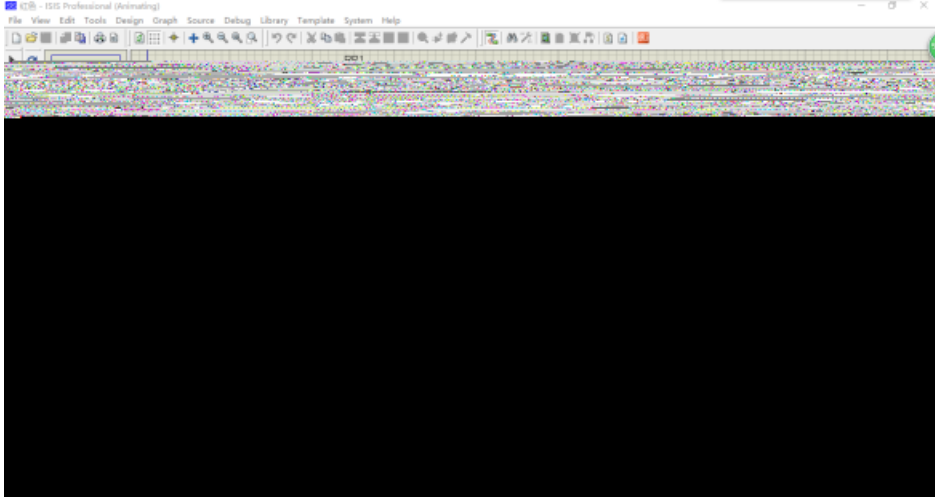
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"I"



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"Y"

51 LED

AT89C51
LED

LED

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(3) LED

51 LED

[10]			[J],	2005.
[11]	. MCS-51	[M]		1993
[12]	. LED	[M]		.2000
[13]	. Proteus		.2008	32

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