



实验实训中心  
EXPERIMENTAL AND TRAINING CENTER

## 工程认知实践教学系列

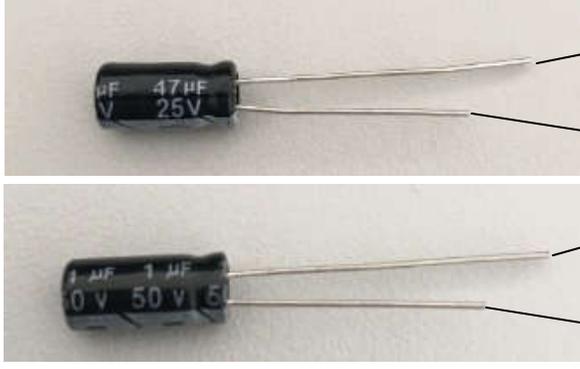
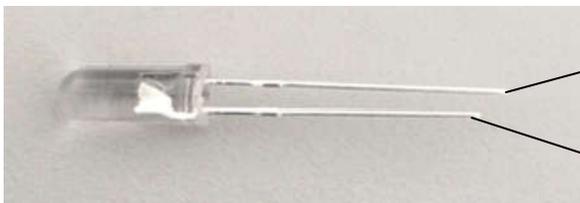
# 声控 LED 旋律灯实验指导书

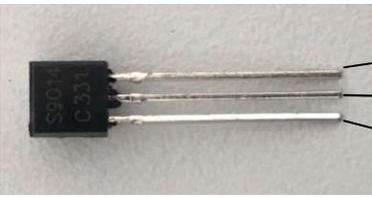
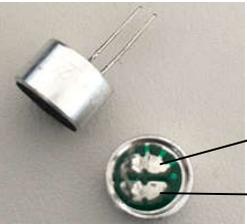
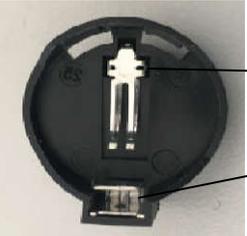
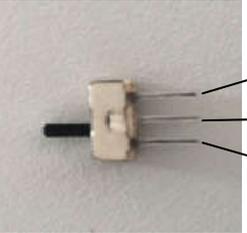


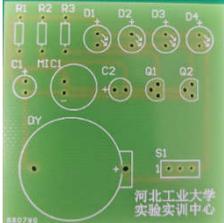
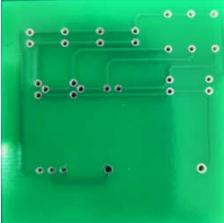
河北工业大学实验实训中心  
2019. 3

工艺非学不兴 学非工艺不显

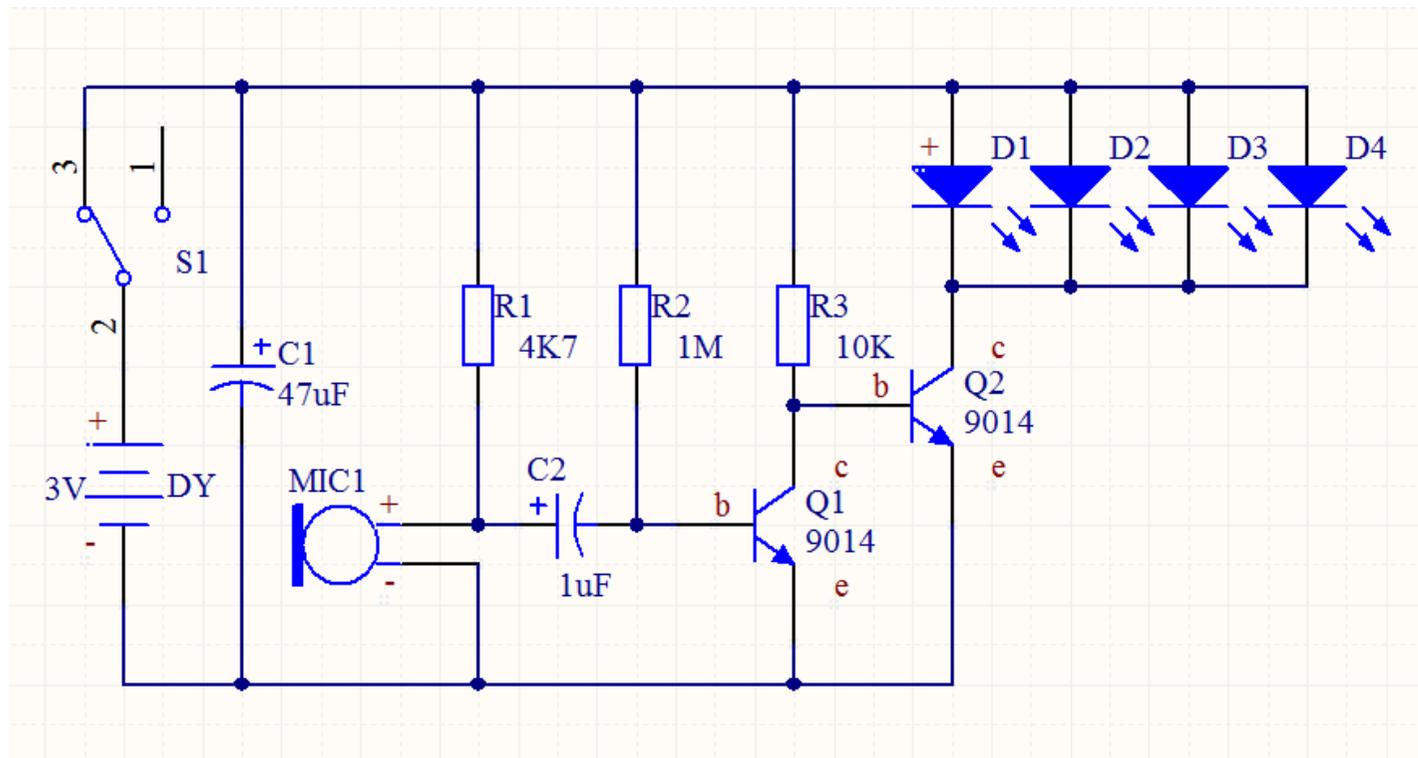
材料清单:

名称	实图	数量
电阻	 <p>R1:黄紫黑棕棕 4.7K±1%</p> <p>R2:棕黑绿银 1M±10%</p> <p>R3:棕黑黑红棕 10K±1%</p>	3
电解电容	 <p>正极 C1:47µF/25V 负极</p> <p>正极 C2:1µF/50V 负极</p>	2
发光二极管	 <p>正极</p> <p>负极</p>	4

9014 三极管		2
麦克		1
电池座		1
电池		1
拨动开关		1

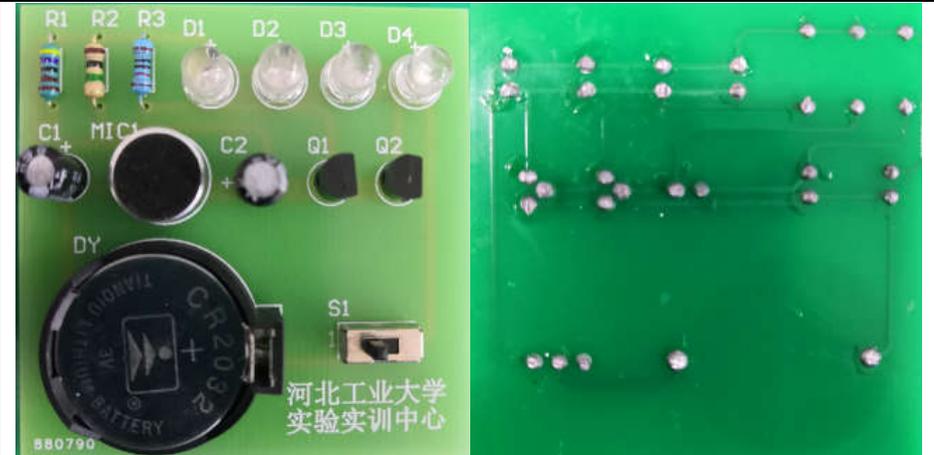
<p>电路板</p>		<p>元件面</p>		<p>铜箔面</p>	<p>1</p>
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原理图:



组装、焊接步骤及内容:

步骤	内容	图片	工具
1	确认元器件是否完备		无
2	焊接步骤(原则: 由矮到高)	<p>电阻</p> <p>麦克</p> <p>电池座</p> <p>拨动开关</p> <p>LED</p> <p>三极管</p> <p>电解电容</p>	电烙铁、焊锡丝

3	检查测试		
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