



## 和弦门铃

### FEATURES功能叙述

- TG1: 音乐选择键;
- TG2: 音量调节;
- TG3: 播放 (One Shot);
- L1: 当音乐播放时, LED以3HZ频率闪烁;

歌曲名称:

16 首: 叮咚、致爱丽丝、西敏寺钟声、梁祝、小天鹅、红河谷、铁达尼克号、土尔其进行曲、小步舞曲、恭喜你、威廉尔逊序曲、爱的罗曼史、回忆、小美人鱼、绿袖子、罗密欧与朱丽叶

### APPLICATION 产品应用

- Door bell . 门铃
- Music box. 音乐盒

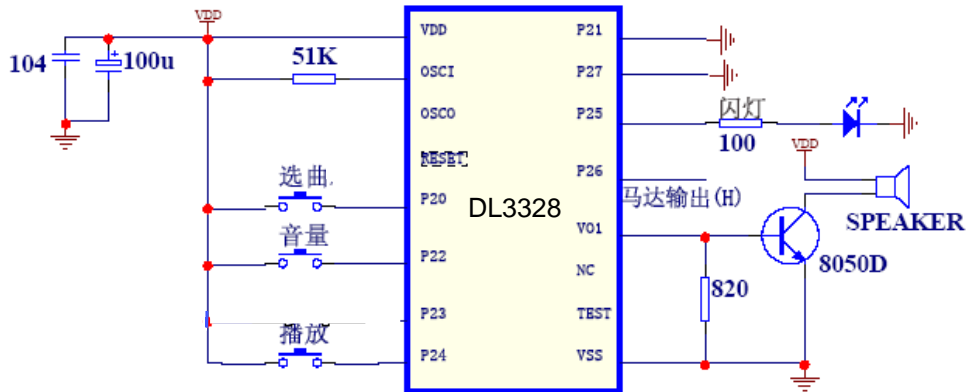
### ELECTRICAL CHARACTERISTICS 电气规格 ( @V<sub>DD</sub>=3V unless otherwise specified )

| Characteristics             | Sym.             | Min. | Typ. | Max. | Unit | CONDITION                                      |
|-----------------------------|------------------|------|------|------|------|--|
| Operating Voltage<br>工作电压   | V <sub>DD</sub>  | 2.4  | —    | 5.5  | V    |  |
| Operating Current<br>工作电流   | I <sub>OP</sub>  | —    | 3    | 5    | mA   | V <sub>DD</sub> =4.5V R <sub>osc</sub> =6MHz   |
|                             | I <sub>OP</sub>  | —    | 1.5  | 3    | mA   | V <sub>DD</sub> =3V R <sub>osc</sub> =4 MHz    |
| Quiescent Current<br>静态电流   | I <sub>SB</sub>  | —    | 1    | 5    | uA   |  |
| Driving Current<br>推动电流     | I <sub>OH</sub>  | 10   | —    | —    | mA   | V <sub>DD</sub> =4.5V V <sub>OH</sub> =2V      |
|                             | I <sub>OH</sub>  | 2    | —    | —    | mA   | V <sub>DD</sub> =3V V <sub>OH</sub> =2.4V      |
| Input Current<br>输入电流       | I <sub>I</sub>   | —    | 8    | 12   | uA   | V <sub>DD</sub> =4.5V                          |
|                             | I <sub>I</sub>   | —    | 3    | 5    | uA   | V <sub>DD</sub> =3V                            |
| Output Current<br>输出电流      | I <sub>VO</sub>  | 2.5  | 3.5  | 4.5  | mA   | V <sub>DD</sub> = 4.5 V V <sub>VO</sub> =0.7 V |
|                             | I <sub>VO</sub>  | 2.5  | 3.5  | 4.5  | mA   | V <sub>DD</sub> = 3 V V <sub>VO</sub> =0.7 V   |
| Operating Frequency<br>运行频率 | F <sub>OSC</sub> | —    | 4    | 8    | MHZ  | V <sub>DD</sub> = 4.5 V                        |
|                             | F <sub>OSC</sub> | —    | 4    | 6    | MHZ  | V <sub>DD</sub> = 3 V                          |



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APPLICATION DIAGRAM 参考电路图



COB CONNECTION DIAGRAM 电路图

