



Piezo-sounder Driver with Multi-mode charge pump

■PinFunction

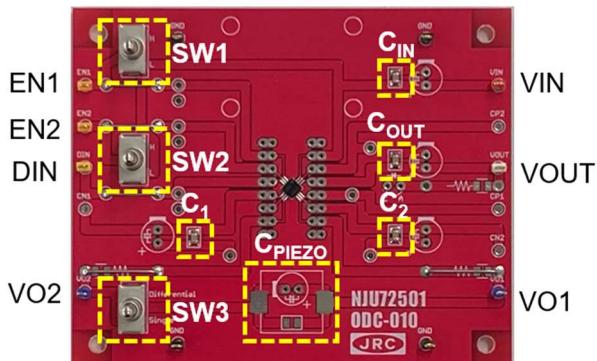


Fig1

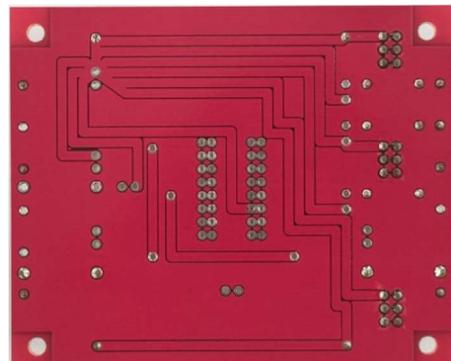


Fig2

The Piezo-sounder shown in Fig.1 is not mounted on the actual evaluation board. Users are expected to procure a commercially available unit independently.

Recommended Piezo-sounder/ Piezo-buzzer

PKLCS1212E2400-R1(muRata)

PKLCS1212E4001-R1(muRata)

■BlockDiagram

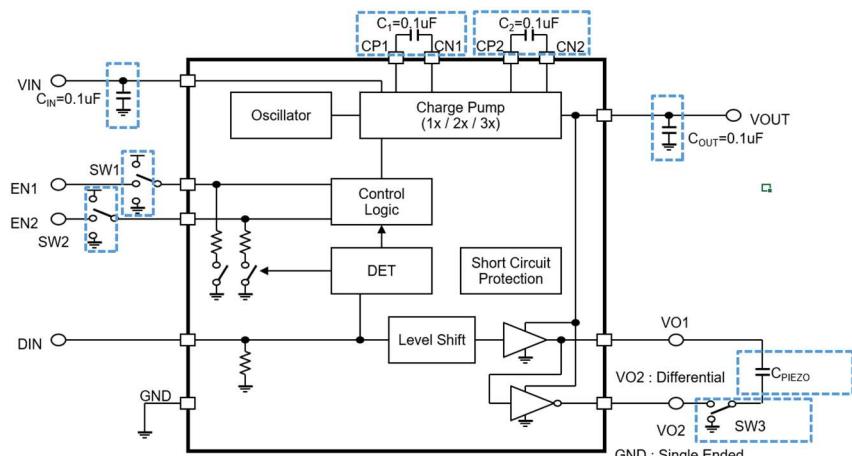


Table 1 is a list of external parts for application circuits. Please refer to the table and make a decision after evaluation according to the application to be used.

Table1 List of External Parts

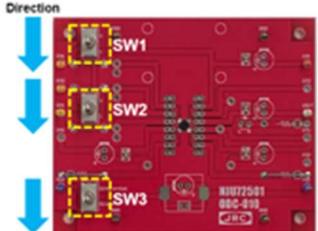
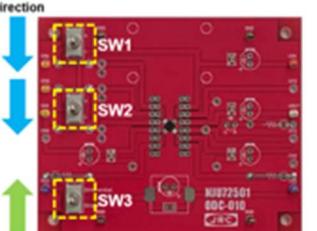
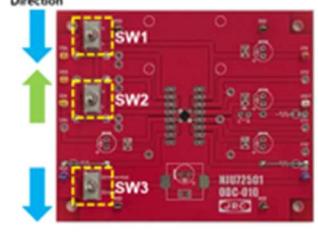
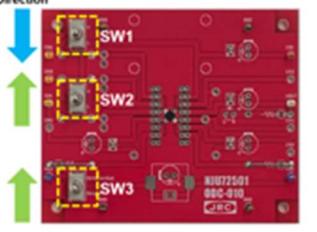
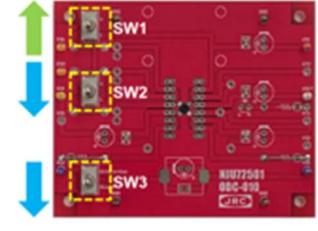
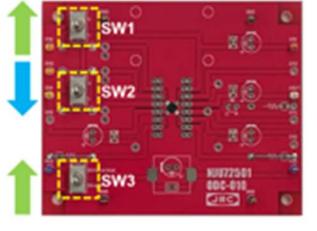
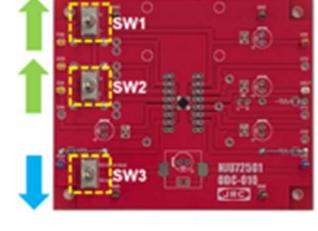
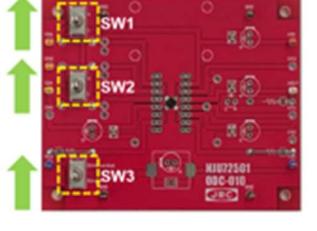
| Symbol | Value |
|--------------------|---------------|
| C ₁ | 0.1μF |
| C ₂ | 0.1μF |
| C _{IN} | 0.1μF |
| C _{OUT} | 0.1μF |
| C _{PIEZO} | Piezo-sounder |



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■How to Use

SW1(EN) : 【Up】High 【Down】Low
SW2(EN) : 【Up】High 【Down】Low
SW3 : 【Up】Differential 【Down】Single Ended

| Mode | Single Ended | Differential |
|----------|---|--|
| SHDN |  |  |
| 1 × Mode |  |  |
| 2 × Mode |  |  |
| 3 × Mode |  |  |