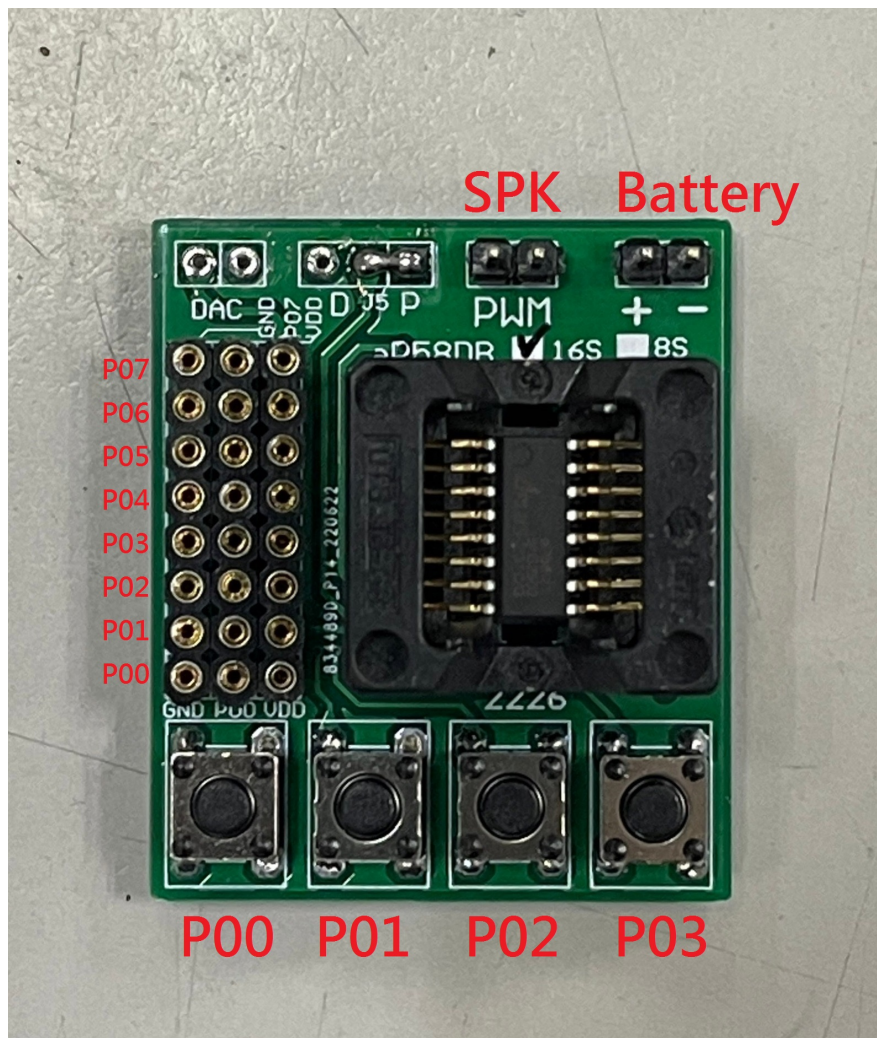


# **aP58DBE-S16 User Manual**



1. Part No. : aP58DBE-S16
2. PCB size : 39cm x 33cm
3. PCB No. : 2226
4. VDD : 3V
5. PWM ONLY
6. Function :

## 1).SBT mode :

P00	P01	P02	P03
SEQ	SEQ	SEQ	SEQ/OUT

Out : busyH , busyL , 3Hz , 6Hz , LED-dyna , stopH , stopL

**2).Key mode :**

	<i>P00</i>	<i>P01</i>	<i>P02</i>	<i>P03</i>	<i>keyN</i>
<b>1 skey</b>	<i>Key in</i>	<i>Out</i>	<i>out</i>	<i>Out/Reset</i>	<i>skey1</i>
<b>3 skey</b>	<i>Key in</i>	<i>Key in</i>	<i>Out</i>	<i>Out/Reset</i>	<i>skey1~skey3</i>
<b>7 skey</b>	<i>Key in</i>	<i>Key in</i>	<i>Key in</i>	<i>Out/Reset</i>	<i>skey1~skey7</i>
<b>15 skey</b>	<i>Key in</i>	<i>Key in</i>	<i>Key in</i>	<i>Key in</i>	<i>skey1~skey15</i>

*Out : busyH , busyL , 3Hz , 6Hz , LED-dyna , stopH , stopL*

**3).Key matrix mode :**

	<i>P00</i>	<i>P01</i>	<i>P02</i>	<i>P03</i>	<i>keyN</i>
<b>4 mkey</b>	<i>Key in</i>	<i>Key in</i>	<i>out</i>	<i>Out/Reset</i>	<i>mkey1~mkey4</i>
<b>6 mkey</b>	<i>scan in</i>	<i>scan in</i>	<i>scan in</i>	<i>scan out</i>	<i>mkey1~mkey6</i>

*Out : busyH , busyL , 3Hz , 6Hz , LED-dyna , stopH , stopL*

**4). MP3 mode :**

<i>P00</i>	<i>P01</i>	<i>P02</i>	<i>P03</i>
<i>Play/pause</i>	<i>backward</i>	<i>forward</i>	<i>Out/Reset</i>

*Out : busyH , busyL , 3Hz , 6Hz , LED-dyna , stopH , stopL*

**5).1-wire mode :**

<i>P00</i>	<i>P01</i>	<i>P02</i>	<i>P03</i>
<i>Rx</i>	<i>Out</i>	<i>Out</i>	<i>Out/Reset</i>

*Out : busyH , busyL , 3Hz , 6Hz , LED-dyna , stopH , stopL*

**6).2-wire mode :**

<i>P00</i>	<i>P01</i>	<i>P02</i>	<i>P03</i>
<i>sdata</i>	<i>sclk</i>	<i>Out</i>	<i>Out/Reset</i>

*Out : busyH , busyL , 3Hz , 6Hz , LED-dyna , stopH , stopL*

**7).3-wire mode :**

<i>P00</i>	<i>P01</i>	<i>P02</i>	<i>P03</i>
<i>sdata</i>	<i>sclk</i>	<i>Cs</i>	<i>Out/Reset</i>

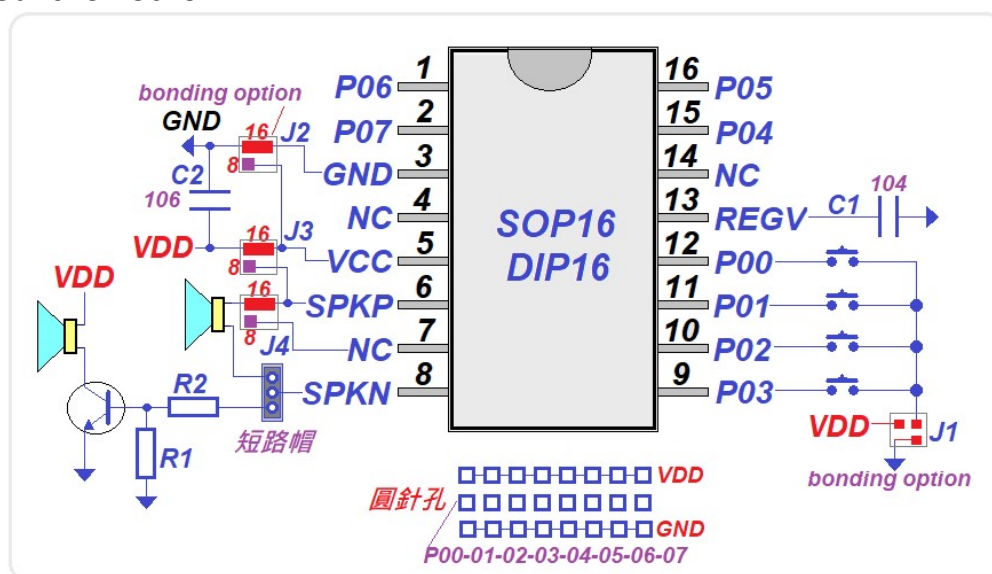
*Out : busyH , busyL , 3Hz , 6Hz , LED-dyna , stopH , stopL*

8).Pulse counting mode :

P00	P01	P02	P03
Rx	Out	Out	Out/Reset

Out : busyH , busyL , 3Hz , 6Hz , LED-dyna , stopH , stopL

▪ Demo board circuit :



J1 bonding option : low trigger (J1=GND)