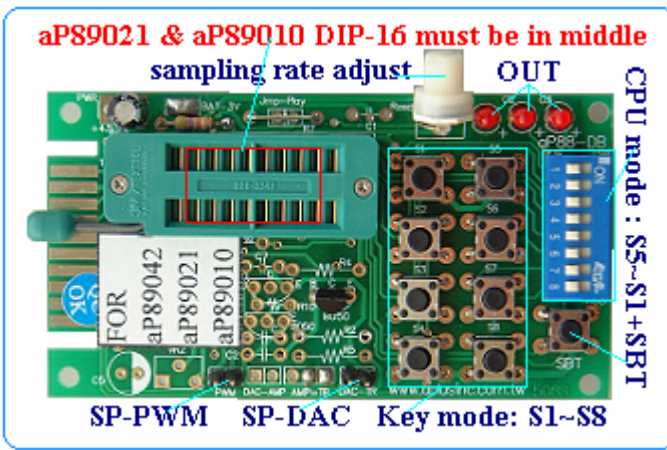


DBTR20 --- VOICE OTP DEMO BOARD USER MANUAL

For aP89042 (42") / aP89021 (21") / aP89010 (10")

	Durations	PHRASE		TG - pin	PDIP	SOP	DIE	VCC
		Key mode	CPU mode					
aP89042	42"	32	32	8	20	20	YES	2.2 ~ 3.6V
aP89021	21"	12	12	4	16	16	YES	2.2 ~ 3.6V
aP89010	10"	12	12	4	16	16	YES	2.2 ~ 3.6V



1. Part no. : **AP89xx_DBTR20**
2. VCC = 2.2V ~ 3.6V
3. Key mode : S1~S8
4. CPU mode : S5~S1 + SBT
5. Sampling rate can adjust
6. support DAC & PWM output
7. Out1,Out2 & Out3 pin output

Sampling rate	Rosc	Sampling rate	Rosc
5.4 K Hz	400K	10.3 K Hz	200K
5.9 K Hz	370K	11.0 K Hz	180K
6.3 K Hz	350K	11.9 K Hz	170K
6.5 K Hz	330K	13.8 K Hz	150K
7.0 K Hz	300K	16.5 K Hz	120K
7.6 K Hz	280K	19.3 K Hz	100K
8.5 K Hz	250K	20.5 K Hz	91K
9.5 K Hz	220K	22.4 K Hz	82K

**The Table is only for reference.

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