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TA6582

8 Bits Nintendo Game Paddle Controller

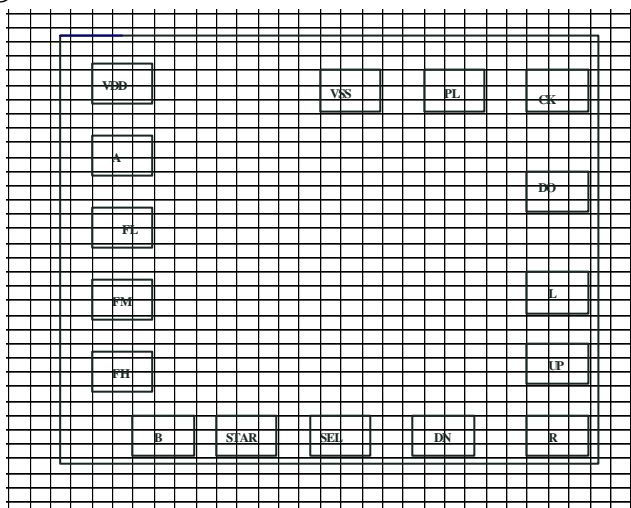
Features:

- Operating Voltage range: 2.4V to 5.5V.
- Built-in RC oscillator.
- Low power consumption.

General Description:

This chip has Turbo function. That is number of sequential signal can be output when user push bottom “A” or “B” on the paddle controller. There are three frequencies provided for output the sequential (Fhi, Fmid and Flow) to meet user’s requirement.

PIN Configuration:



Pin Description:

Pin No	Symbol	Description
1	Fhi	High frequency option for Turbo function.
2	B	Push bottom “B”
3	START	Push bottom “START”
4	SELECT	Push bottom “SELECT”
5	D	Control the “Downward” function.
6	R	Control the “Rightward” function.
7	U	Control the “Upward” function.
8	L	Control the “Leftward” function.
9	DO	Send all controlling signals.
10	CK	Clock signal input pin to paddle.
11	PL	Pre_load signal input pin to paddle
12	GND	Negative power supply
13	VDD	Positive power supply.
14	A	Push bottom “A”
15	Flow	Low frequency pin of Turbo function.
16	Fmid	Medium frequency pin of Turbo function.

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Absolute Maximum Ratings:

RATING	VALUE
DC Supply Voltage	<6.5V
Input/output Voltage	GND-0.3V to VDD+0.3V
Operating Temperature	-10°C to 60 °C
Storage Temperature	-25°C to 125°C

Notice: Stress greater than those listed under Absolute Maximum Ratings may cause permanent damage to the device, this is a stress rating only and functional operation of the device at these or any other conditions above those indicated in the operational sections of this specification is not implied, Exposure to absolute maximum rating conditions for extended period may affect reliability.

Electrical Characteristics

(VDD=3.0V,GND=0V,Ta=25°C,unless otherwise specified)

Parameter	Symbol	Min	Typ	Max	Condition
Operating Voltage	Vdd	4.5V	---	5.5V	
Standby Current	Istb	---	---	5uA	Vdd=5V,I/O open
Operating Current	Iop	0.1	0.25	0.3mA	Vdd=5V,I/O open
Turbo speed low	Flow	6	7	8	Hz
Turbo speed middle	Fmid	12	14	16	Hz
Turbo speed high	Fhi	24	28	32	Hz

Application Circuit:

