

●Equivalent circuit

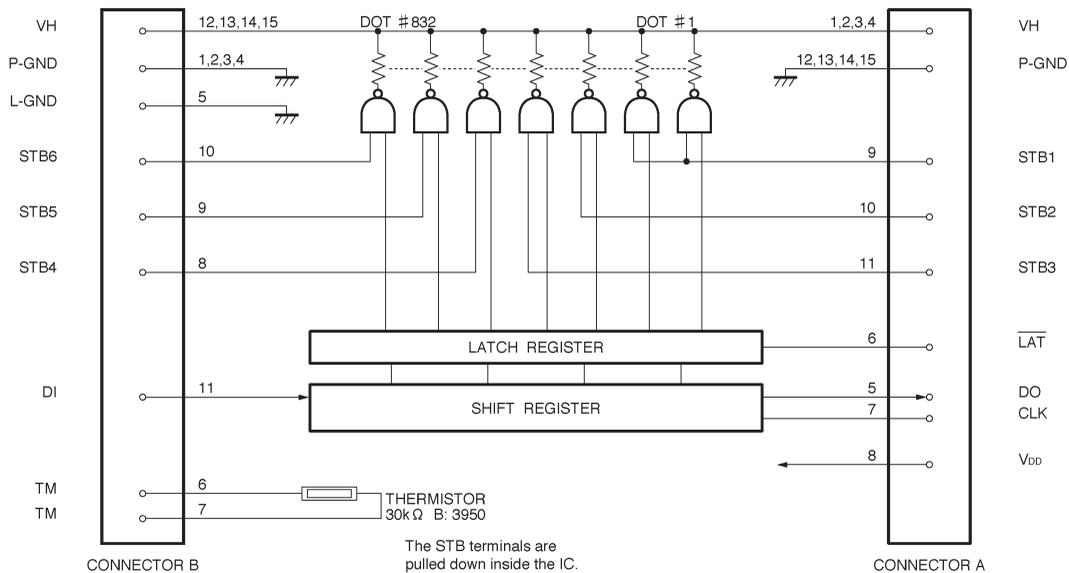


Fig. 1

●Pin assignments

CONNECTOR B	
No.	Circuit
1	P-GND
2	P-GND
3	P-GND
4	P-GND
5	L-GND
6	TM
7	TM
8	STB4
9	STB5
10	STB6
11	DI
12	VH
13	VH
14	VH
15	VH

CONNECTOR A	
No.	Circuit
1	VH
2	VH
3	VH
4	VH
5	DO
6	LAT
7	CLK
8	VDD
9	STB1
10	STB2
11	STB3
12	P-GND
13	P-GND
14	P-GND
15	P-GND

L-GND: LOGIC GROUND
 P-GND: POWER GROUND

●Timing chart

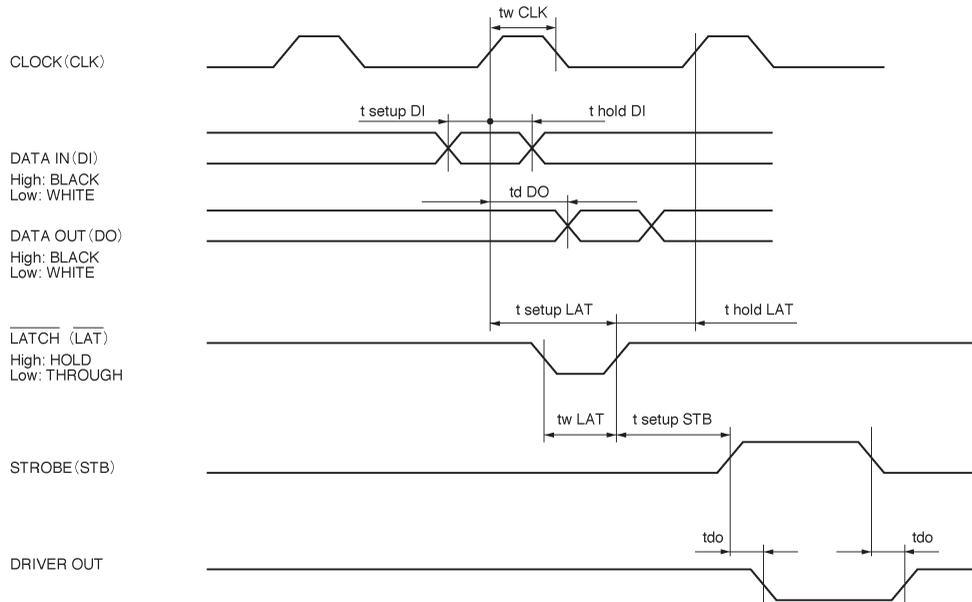


Fig. 2

●Characteristics

Parameter	Symbol	Typical	Unit
Effective printing width	—	104	mm
Dot pitch	—	0.125	mm
Total dot number	—	448	dots
Average resistance value	Rave	800	Ω
Applied voltage	V _H	24	V
Applied power	P _O	0.61	W / dot
Print cycle	SLT	1.25	ms
Pulse width	T _{ON}	0.28	ms
Maximum number of dots energized simultaneously	—	448	dots
Maximum clock frequency	—	8	MHz
Maximum roller diameter	—	ϕ 20.0	mm
Running life / pulse life	—	50 / 5 × 10 ⁷	km / pulses
Operating temperature	—	5~45	°C

●Electrical characteristic curves

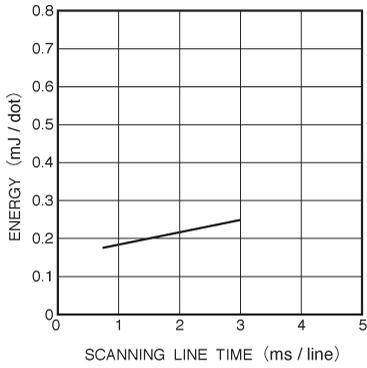


Fig. 3 Adaptive speed chart

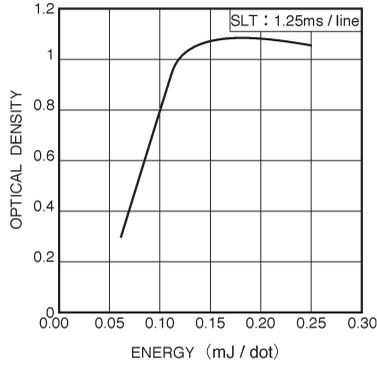


Fig. 4 Representative density curve

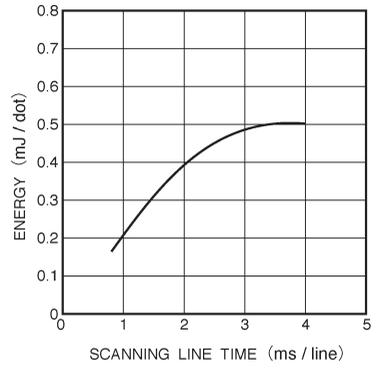


Fig. 5 Maximum energy curve

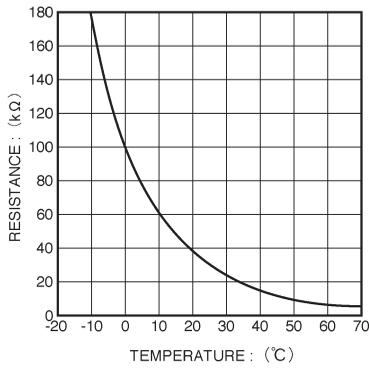


Fig. 6 Thermistor curve