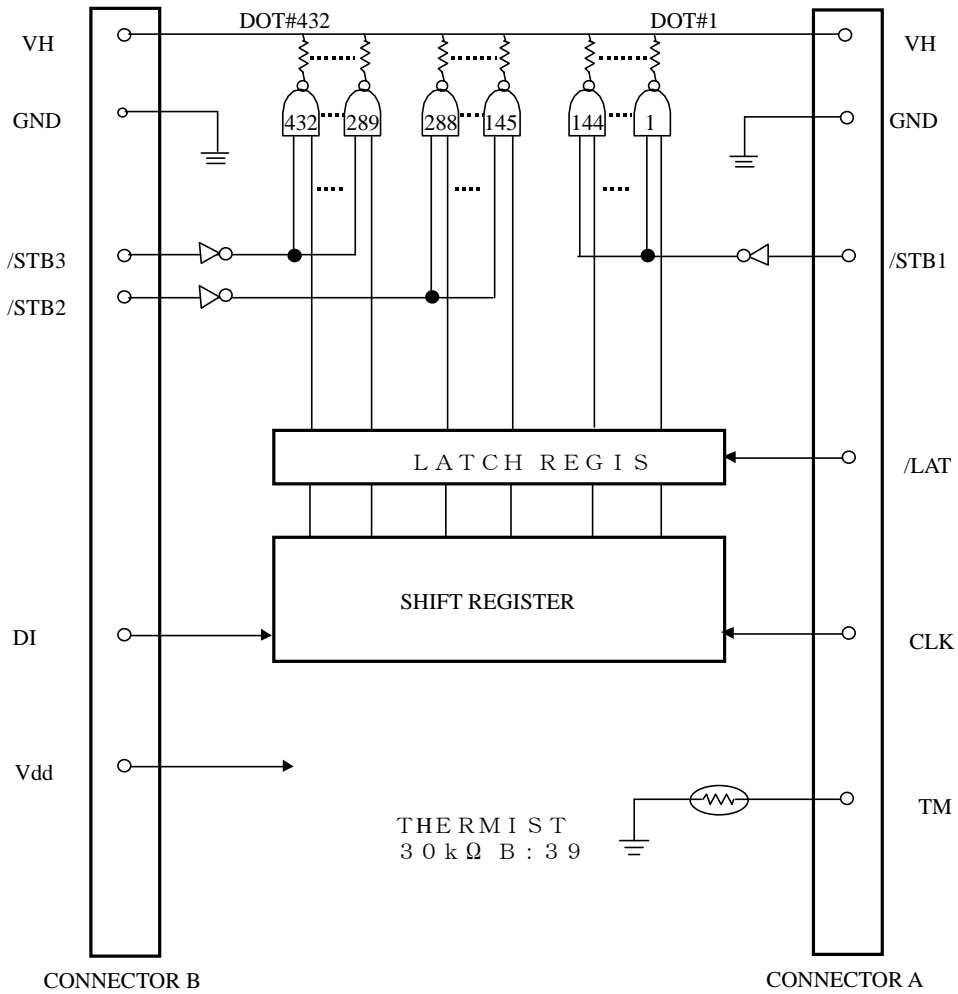




Printheads

●Equivalent circuit



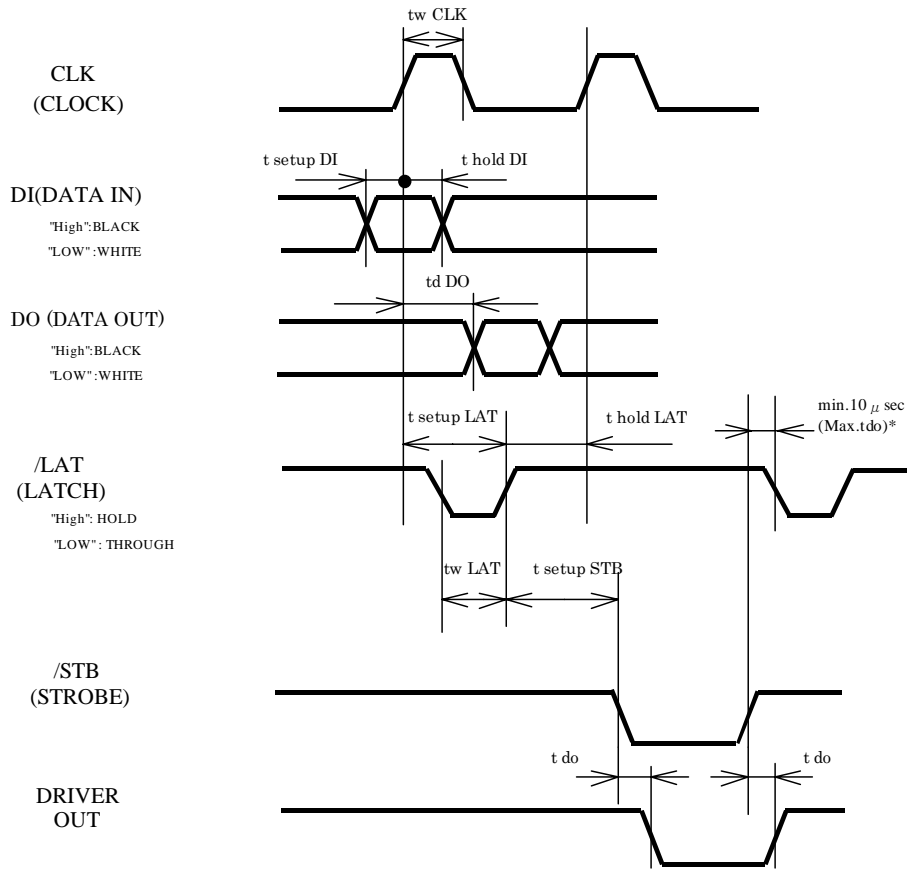
●Pin assignments

CONNECTOR B	
No.	Circuit
1	GND
2	GND
3	V <sub>DD</sub>
4	$\overline{\text{STB3}}$
5	$\overline{\text{STB2}}$
6	DI
7	VH

CONNECTOR A	
No.	Circuit
1	VH
2	VH
3	CLK
4	$\overline{\text{LAT}}$
5	$\overline{\text{STB1}}$
6	TM
7	GND

Printheads

●Timing chart



\*If delay time for Driver Out can not be secured enough, there is a possibility that VH would fluctuate greatly. Please design the circuit so that VH does not exceed peak voltage (Vp).

●Characteristics

Parameter	Symbol	Typical	Unit
Effective printing width	—	54	mm
Dot pitch	—	0.125	mm
Total dot number	—	432	dots
Average resistance value	Rave	800	Ω
Applied voltage	VH	24.0	V
Applied power	PO	0.64	W/dot
Print cycle	SLT	1.25	ms
Pulse width	TON	0.28	ms
Maximum number of dots energized simultaneously	—	144	dots
Maximum clock frequency	—	8	MHz
Maximum roller diameter	—	φ14.0	mm
Running life / pulse life	—	50/5×10 <sup>7</sup>	km/pulses
Operating temperature	—	0 to 50	°C

Printheads

●Electrical characteristic curves

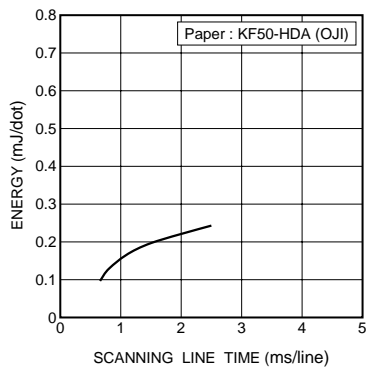


Fig.1 Adaptive speed chart

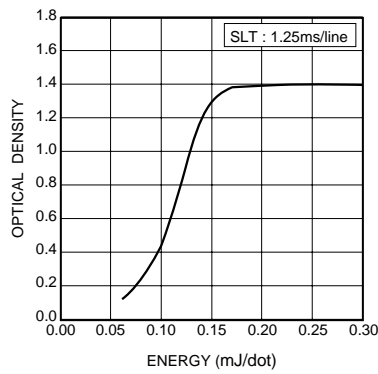


Fig.2 Representative density curve

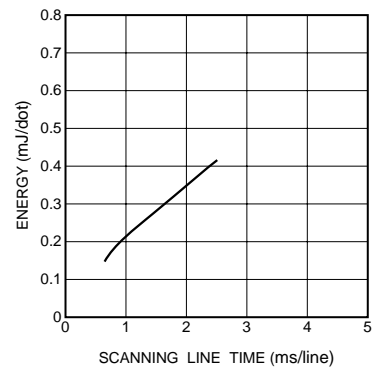


Fig.3 Maximum energy curve

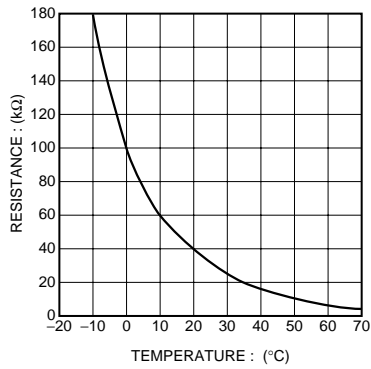


Fig.4 Thermistor curve

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