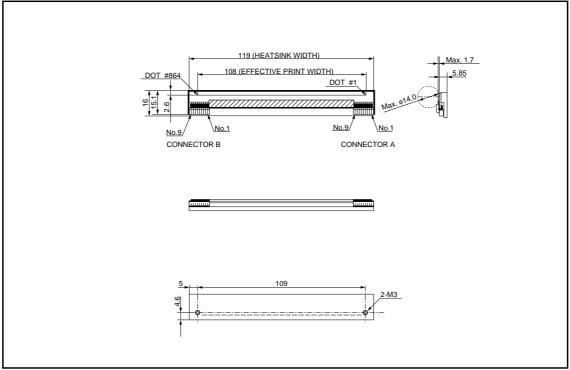
For Gaming Equipment, ATMs : CF, CG series KD2004-CF10A

•Applications POS printers Label printers Receipt printers General purpose compact printers

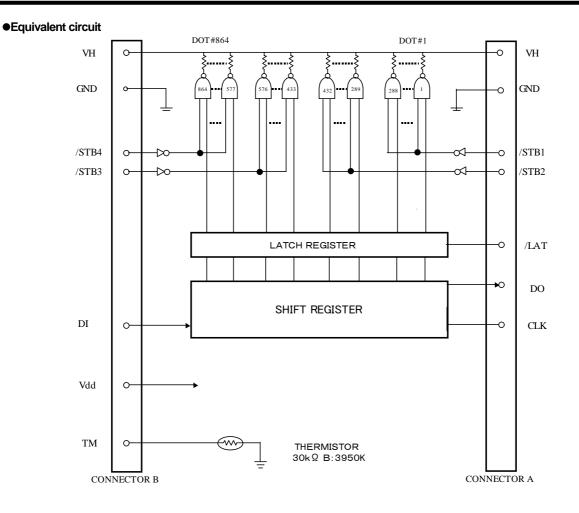
Features

Utilizing the ideal element structure for each model (CF series: 100mm/s, CG series: 150mm/s) ensures perfect print quality and efficient energy consumption. In addition, the units feature a high-frequency clock, enabling advance control.

•Dimensions (Unit : mm)



Printheads



•Pin assignments

CC	NNECTOR B	
No.	Circuit	
1	GND	'
2	GND	
3	TM	
4	Vdd	
5	STB4	
6	STB3	
7	DI	
8	VH	
9	VH	

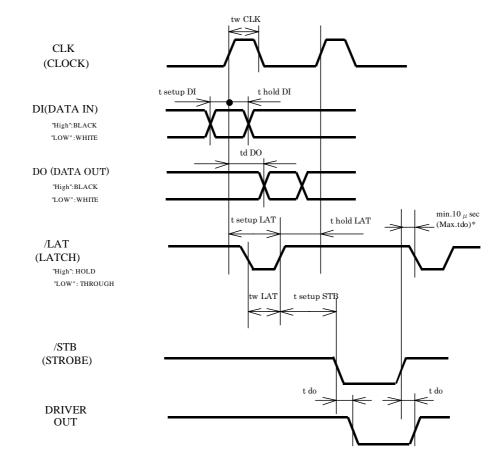
CONNECTOR A No. Circuit VH 1 2 VH 3 DO 4 CLK 5 LAT 6 STB2 7 STB1 8 GND 9 GND



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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	-	108.0	mm
Dot pitch	-	0.125	mm
Total dot number	-	864	dots
Average resistance value	Rave	800	Ω
Applied voltage	Vн	24.0	V
Applied power	Po	0.49	W/dot
Print cycle	SLT	1.25	ms
Pulse width	Ton	0.38	ms
Maximum number of dots energized simultaneously	-	432	dots
Maximum clock frequency	-	8	MHz
Maximum roller diameter	-	φ 14 .0	mm
Running life / pulse life	_	50/5×107	km/pulses
Operating temperature	-	5 to 45	°C



Printheads

•Electrical characteristic curves

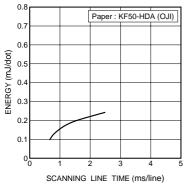


Fig.1 Adaptive speed chart

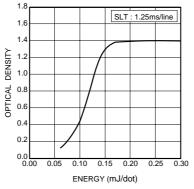


Fig.2 Representative density curve

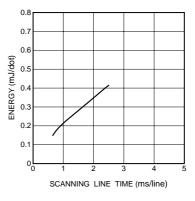


Fig.3 Maximum energy curve

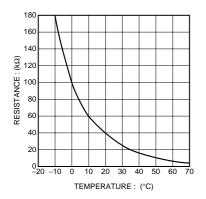


Fig.4 Thermistor curve



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Appendix1-Rev2.0

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