RG 160128-A

OKAYA

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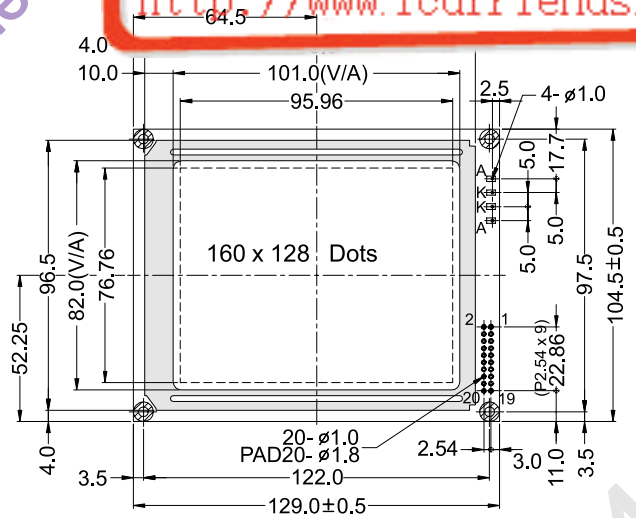
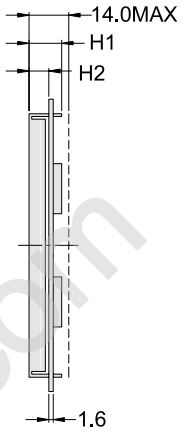
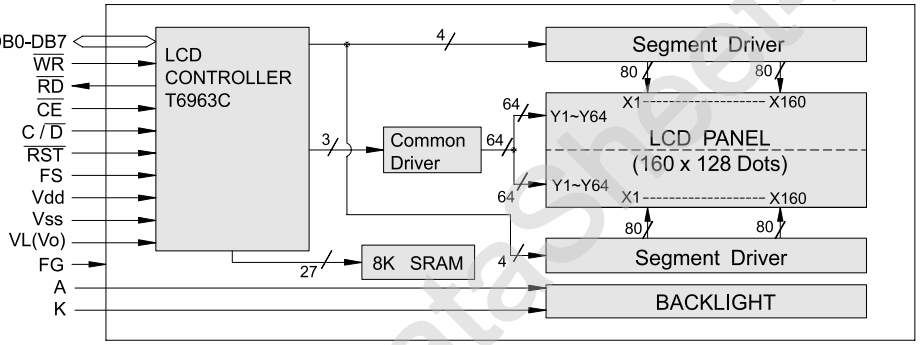
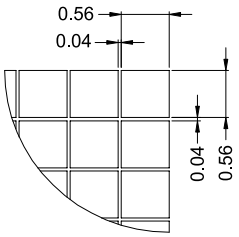
OUTLINE DIMENSION & BLOCK DIAGRAM









The tolerance unless classified ± 0.3mm

MECHANICAL SPECIFICATION			
Overall Size	129.0 x 104.5	Module	H2 / H1
View Area	101.0 x 82.0	W /O B/L	7.0 / 14.0
Dot Size	0.56 x 0.56	EL B/L	7.0 / 14.0
Dot Pitch	0.60 x 0.60	LED B/L	– / –

PIN ASSIGNMENT		
Pin no.	Symbol	Function
1	FGND	Frame ground
2	Vss	Power supply(GND)
3	Vdd	Power supply(+)
4	VL(Vo)	Contrast Adjust
5	WR	Data write
6	RD	Data read
7	CE	Chip enable
8	C/D	Command / data select
9	NC	No connection
10	RST	Reset
11-18	DB0-DB7	Data bus line
19	FS	Font selection
20	NC	No connection

ABSOLUTE MAXIMUM RATING					
Item	Symbol	Condition	Min.	Max.	Units
Supply for logic voltage	Vdd-Vss	25°C	-0.3	7.0	V
LCD driving supply voltage	Vdd-Vee	25°C	-0.3	28.0	V
Input voltage	Vin	25°C	-0.3	Vdd+0.3	V

ELECTRICAL CHARACTERISTICS									
Item	Symbol	Condition	Min.		Typical		Max.		Units
Power supply voltage	Vdd-Vss	25°C	4.5		–		5.5		V
LCD operation voltage	Vop	Top	N	W	N	W	N	W	V
		-20°C	–	9.9	–	10.4	–	10.9	V
		0°C	11		11.6	–	12.2	–	V
		25°C	10.3	9.8	10.9	10.3	11.5	10.8	V
		50°C	9.6	–	10.2	–	10.8	–	V
		70°C	–	9.6	–	10.4	–	10.6	V
LCM current consumption (No B/L)	Idd	Vdd=5V	–		3		6		mA
Backlight current consumption	LED/edge	VB/L=4.2V	–		–		–		mA
	LED/array	VB/L=4.2V	–		500		–		mA

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