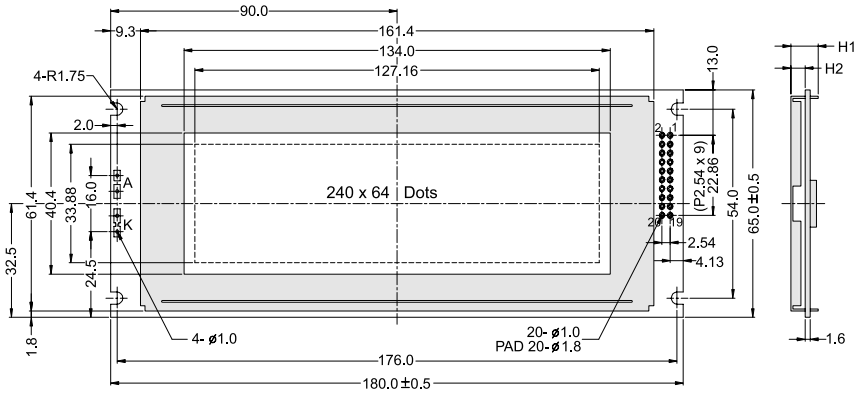
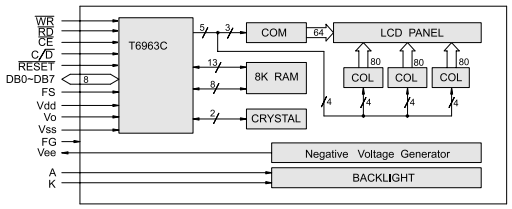
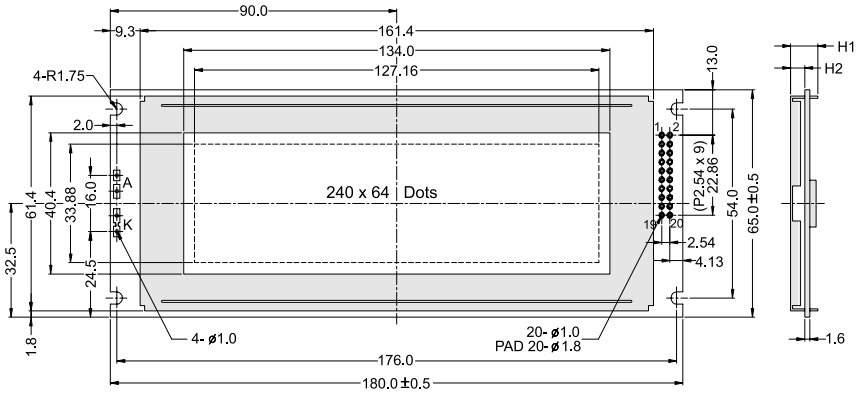
OUTLINE DIMENSION & BLOCK DIAGRAM

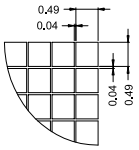
RG 24064-E





PG 24064-F





The tolerance unless classified ± 0.3mm

MECHANICAL SPECIFICATION			
Overall Size	180.0 x 65.0	Module	H2 / H1
View Area	134.0 x 40.4	W /O B/L	4.5 / 8.6
Dot Size	0.49 x 0.49	EL B/L	4.5 / 8.6
Dot Pitch	0.53 x 0.53	LED / CCFL B/L	9.2 / 13.3

PIN ASSIGNMENT		
Pin no.	Symbol	Function
1	FG	Frame ground
2	Vss	Power supply(GND)
3	Vdd	Power supply(+)
4	Vo	Contrast Adjust
5	WR	Data write
6	RD	Data read
7	CE	Chip enable
8	C/D	Command / data select
9	Vee	Negative output
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	22.0	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	–	14.3	–	14.7	–	15.1	V
		0°C	9.7	–	10.2	–	10.7	–	V
		25°C	8.9	13.2	9.4	13.6	9.9	14	V
		50°C	8.6	–	9.1	–	9.6	–	V
		70°C	–	12	–	12.4	–	12.8	V
LCM current consumption (No B/L)	Idd	Vdd=5V	–		10		–		mA
Backlight current consumption	LED/edge	VB/L=3.5V	–		80		–		mA
	LED/array	VB/L=4.2V	–		650		–		mA