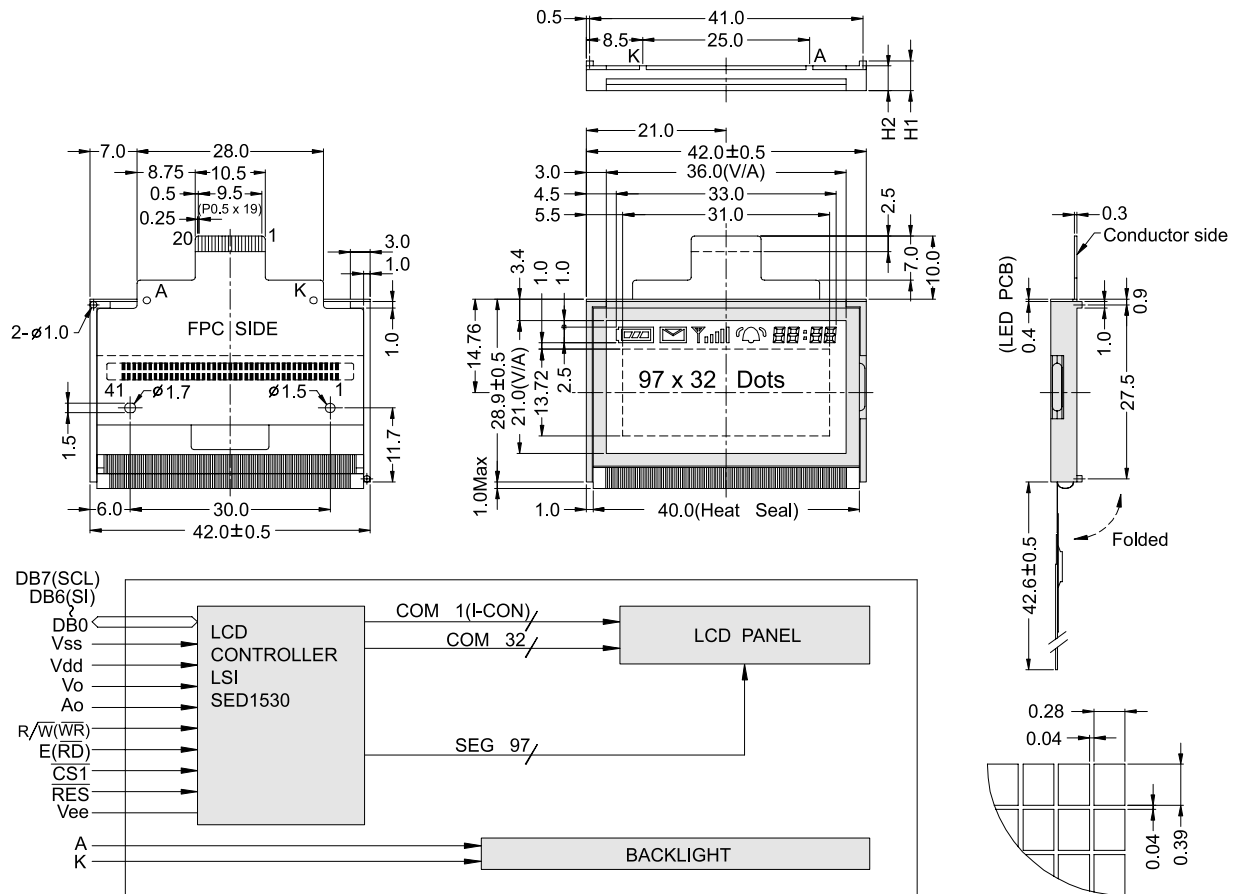


## OUTLINE DIMENSION & BLOCK DIAGRAM



The tolerance unless classified  $\pm 0.3\text{mm}$

MECHANICAL SPECIFICATION			
Overall Size	42.0 x 39.9	Module	H2 / H1
View Area	36.0 x 21.0	W / O B/L	- / -
Dot Size	0.28 x 0.39	EL B/L	- / -
Dot Pitch	0.32 x 0.43	LED B/L	3.9 / 4.7

PIN ASSIGNMENT		
Pin no.	Symbol	Function
1	Vss	Power supply(GND)
2	Vdd	Power supply(+)
3	Vo	Contrast Adjust
4	A0	Command / data input
5	WR	Data write / (R/W)
6	RD	Data read / (E)
7-14	DB0-DB7	Data bus line
15	CS1	Chip select
16	RES	Reset
17	Vee	Negative voltage
18	NC	No Connection
19	A	Power supply for LED B/L (+)
20	K	Power supply for LED B/L (-)

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	18.0	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	2.7	-	5.5	V	
LCD operation voltage	Vop	Top	N	W	N	W	V
		-20°C	-	-	-	-	V
		0°C	-	-	-	-	V
		25°C	-	-	6.5	-	V
		50°C	-	-	-	-	V
70°C	-	-	-	-	V		
LCM current consumption (No B/L)	Idd	Vdd=5V	-	0.5	1	mA	
Backlight current consumption	LED/edge	VB/L=2.1V	-	40	-	mA	
	LED/array	VB/L=4.2V	-	-	-	mA	