

## FEATURES

- ◆ 5 x 7 DOTS WITH CURSOR
- ◆ BUILT-IN CONTROLLER (PCF2119SU/2)
- ◆ 3.0 V POWER SUPPLY
- ◆ 1/16 DUTY CYCLE
- ◆ IIC SERIAL INTERFACE

## MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size (W x H x T)	73.25 x 35.5 x 11.5	mm
Viewing Area (W x H)	52.0 x 14.4	mm
Character Size (W x H)	2.55 x 4.99	mm
Character Pitch (W x H)	3.16 x 5.41	mm
Dot Size (W x H)	0.47 x 0.58	mm
Dot Pitch (W x H)	0.52 x 0.63	mm

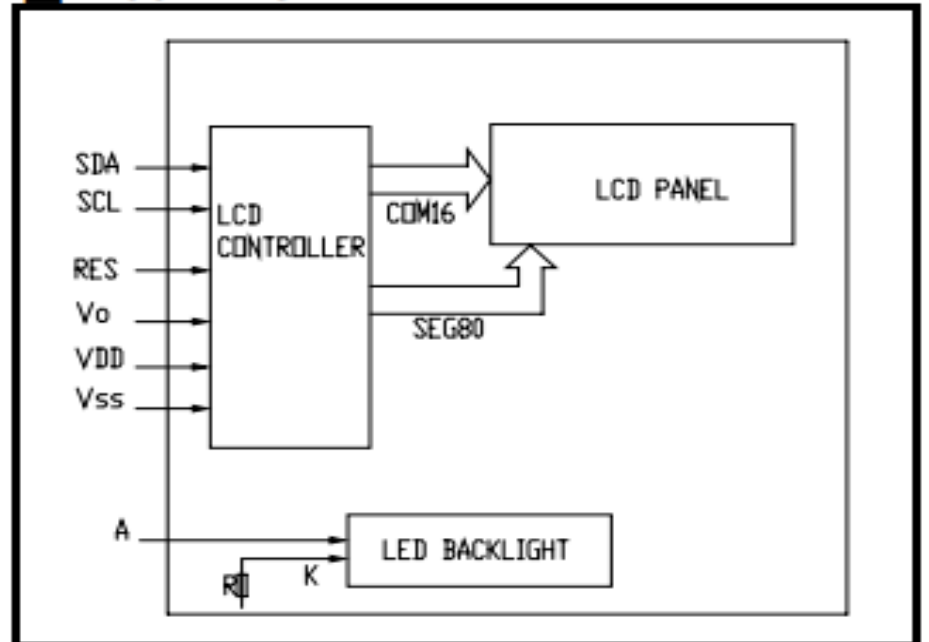
## INTERFACE PIN CONNECTIONS

NO.	SYMBOL	FUNCTION
1	Vss	Supply Ground
2	VDD	Supply Voltage
3	Vo	Contrast Adj.
4	SDA	IIC Bus Serial Data Input/Output
5	SCL	IIC Bus Serial Clock Input
6	A	LED Power
7	RES	Reset Input

## ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
LCD Operating Voltage	VDD-Vo	T=0°C	-	-	-	V
		T=25°C	4.2	4.5	4.8	V
		T=50°C	-	-	-	V
Supply Voltage	VDD-VSS	-	2.2	3.0	3.5	V
Supply Current	IDD	-	-	0.7	1.0	mA
Input Voltage	"HIGH" Level	V <sub>ih</sub>	-	0.7V <sub>DD</sub>	V <sub>DD</sub>	V
	"LOW" Level	V <sub>il</sub>	-	0	0.3V <sub>DD</sub>	V
Output Voltage	"HIGH" Level	V <sub>oh</sub>	-	2	-	V
	"LOW" Level	V <sub>ol</sub>	-	-	-	0.2V <sub>DD</sub>

## BLOCK DIAGRAM



## EXTERNAL DIMENSIONS

