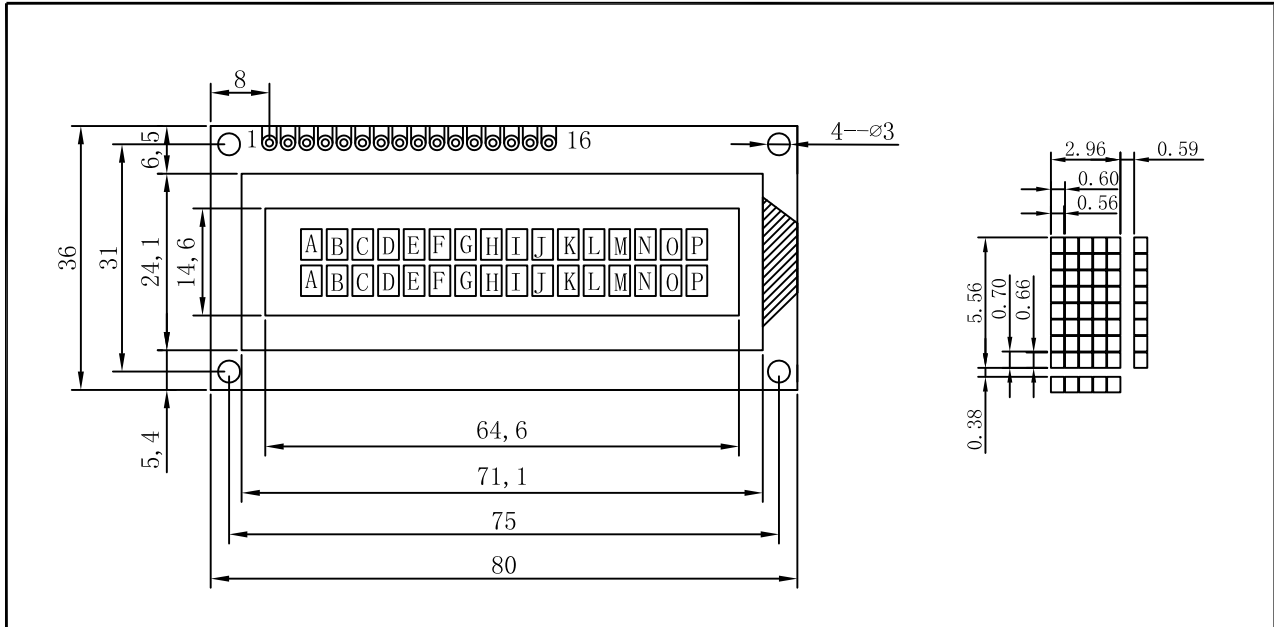


# CHARACTER-COB

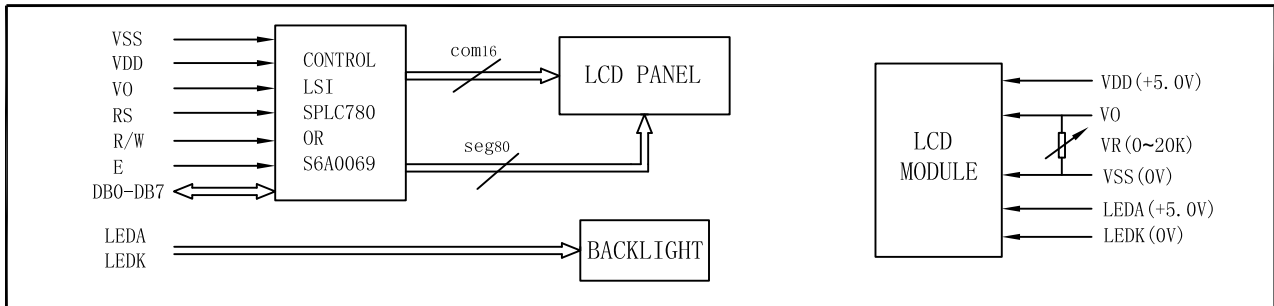
# RG1602 Series

1/16 DUTY, 1/5 BIAS

## OUTLINE DIMENSIONS



## BLOCK DIAGRAM & POWER SUPPLY



## MECHANICAL SPECIFICATIONS & FEATURE

LTEM		NORMAL DIMENSIONS (MM)	FEATURE	
MODULE SIZE (W*H*T)		80.0 X 36.0 X 12.5	LCD TYPE	STN TN HTN FSTN
VIEW AREA (W*H)		64.5 X 14.6	LCD COLOUR	STN: YELLOW-GREEN, GRAY, OTHER: GRAY
CHARACTER PITCH (W*H)		3.55 X 5.94	VIEW ANGLE	6 O' CLOCK, 12 O' CLOCK
CHARACTER SIZE (W*H)		2.96 X 5.56	DISPLAY TYPE	POSITIVE TYPE, NEGATIVE TYPE
CHARACTER FONT		5 X 8	REAR POLARIZER	TRANSMISSIVE, REFLECTIVE, TRANSELECTIVE
DOT PITCH (W*H)		0.60 X 0.70	OPERATING TEMPERATURE	-10 °C ~ 60 °C    -20 °C ~ 70 °C
DOT SIZE (W*H)		0.56 X 0.66	BACKLIGHT	LED: YELLOW EL: GREEN, BLUE-GREEN, BLUE WITHOUT

## ELECTRICAL CHARACTERISTICS

LTEM	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
OPERATING VOLTAGE	VDD	Ta=25 °C	---	5.0	---	V
OPERATING VOLTAGE FOR LCD	VLCD	Ta=25 °C	---	4.7	---	V
SUPPLY CURRENT	IDD	Ta=25 °C, VDD=5.0V	---	1.5	2.5	MA
SUPPLY CURRENT FOR BACKLIGHT	IF	Ta=25 °C, VF=3.0V	---	18	---	MA

## INTERFACE PIN CONNECTIONS

PIN NO	SYMBOL	LEVEL	DESCRIPTION
1	VSS	---	GROUND FOR LOGIC
2	VDD	---	POWER SUPPLY FOR LOGIC
3	VO	---	POWER SUPPLY FOR LCD DRIVE
4	RS	H/L	REGISTER SELECTION (H: DATA REGISTER, L: INSTRUCTION REGISTER)
5	R/W	H/L	READ/WRITE SELECTION (H: READ, L: WRITE)
6	E	H/L	ENABLE SIGNAL FOR LCM
7-14	DB0-DB7	H/L	DATA BUS LINES
15	LEDA	---	POWER SUPPLY FOR BACKLIGHT (+)
16	LEDK	---	POWER SUPPLY FOR BACKLIGHT (-)

## REMARK

OPERATING VOLTAGE : 5.0V OR 3.0V

CGROM FONT OPTION: ENGLISH JAPANESE RUSSIAN ETC