

KC016002P (16 CHARACTERS × 2 LINES)

FEATURES

- ◆ 5×7 DOTS WITH CURSOR
- ◆ BUILT-IN CONTROLLER (SPLC782A OR EQUIVALENT)
- ◆ 5V POWER SUPPLY
- ◆ 1/16 DUTY CYCLE

INTERFACE PIN CONNECTIONS

NO.	SYMBOL	FUNCTION
1	VSS	0V
2	VDD	5V
3	VPP	Contrast Adj.
4	RS	Register Select
5	R/W	Read/Write
6	E	Enable Signal
7	DB0	Data Bit0
8	DB1	Data Bit1
9	DB2	Data Bit2
10	DB3	Data Bit3
11	DB4	Data Bit4
12	DB5	Data Bit5
13	DB6	Data Bit6
14	DB7	Data Bit7

MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size (W × H × T)	71.2×70.35×2.8	mm
Viewing Area (W × H)	67×19	mm
Character Size (W × H)	3.26×6.12	mm
Character Pitch (W × H)	3.85×6.88	mm
Dot Size (W × H)	0.62×0.73	mm
Dot Pitch (W × H)	0.66×0.77	mm

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	$V_{DD}-V_{SS}$	0	-	5.5	V
Supply Voltage	V_{PP}	0	-	6	V
Input Voltage	V_{IN}	V_{SS}	-	V_{DD}	V

ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	CONPITION	MIN.	TYP.	MAX.	UNIT	
Supply Voltage For Logic	$V_{DD}-V_{SS}$	-	4.5	5	5.5	V	
Supply Voltage For LCD	V_{LCD}	$V_{DD}=5V, T_a=25^{\circ}C$	4.0	-	6.0	V	
Supply Current For LCD	I_{DD}	$V_{DD}=5V$	-	0.8	1	mA	
Input Voltage	"HIGH" Level	V_{IH}	-	2.2	-	V_{DD}	V
	"LOW" Level	V_{IL}	-	-	-	0.6	V
Output Voltage	"HIGH" Level	V_{OH}	-	2.4	-	V_{DD}	V
	"LOW" Level	V_{OL}	-	-	-	0.4	V

EXTERNAL DIMENSIONS

