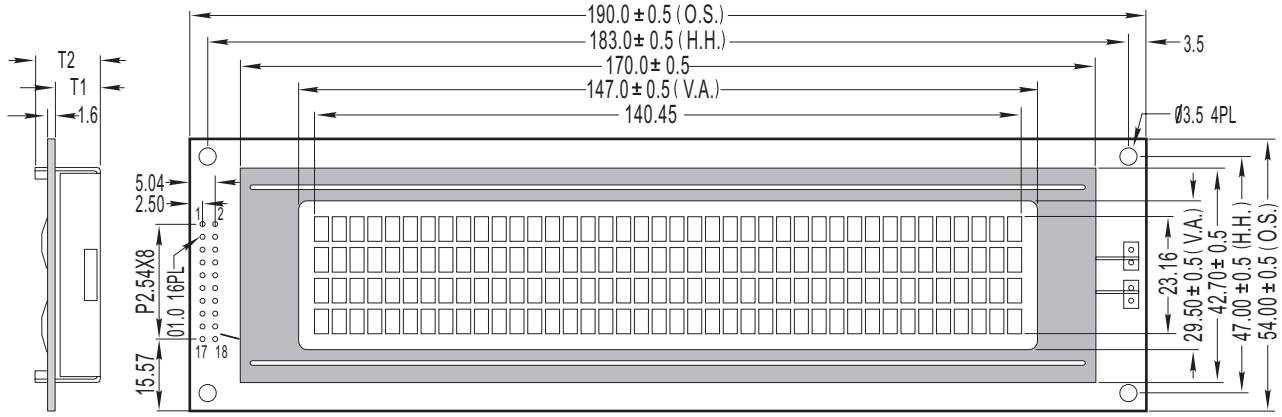
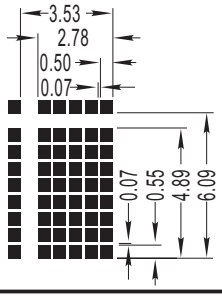
FORDATA ELECTRONIC CO.,LTD

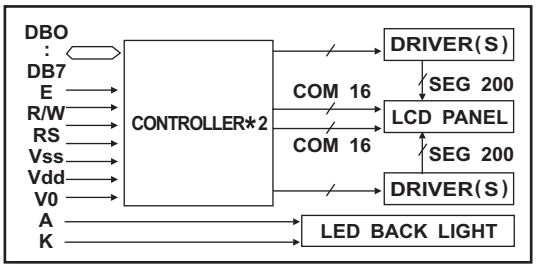
PROFESSIONAL LCD SUPPLIER FROM CHINA

FDCC4004A



* O.S.=Overall Size
* V.A.=Viewing Area
* H.H.=Hole -Hole





ITEM	T1	T2	UNIT
LED backlight	8.9	13.0	mm
EL or without backlight	5.4	10.0	mm

FEATURE

1. 5X8 dots with cursor
2. Built- in controller (SPLC780D or Equivalent)
3. +5V power supply (Also available for +3.0V)
4. 1/16 duty cycle
5. BKL to be driven by pin1,pin2,or pin15,pin16 or A,K
6. N.V. Optional

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	MIN	MAX	UNIT
POWER SUPPLY (LOGIC)	Vdd	-0.3	7.0	V
POWER SUPPLY (LCD)	V0	Vdd -13.5	Vdd +0.3	V
INPUT VOLTAGE	Vin	-0.3	Vdd +0.3	V

PIN ASSIGNMENT

PIN	SYMBOL	FUNCTION
1-8	DB7-DB0	Data bus line
9	E1	Enable Signal
10	R/W	Data Read/Write
11	RS	Register Select Signal
12	V0	Contrast Adjust
13	Vss	GND
14	Vdd	Power supply for LCM(+5.0V)
15	E2	Enable Signal
16	NC	No connection
17	LED+	Power supply for BKL(+5.0V)
18	LED-	Power supply for BKL(0V)

MECHANICAL SPECIFICATIONS

CHARACTER NUMBER	40W X 4H	—
OVERALL SIZE	190.00W X 54.00H	mm
VIEWING AREA	147.00W X 29.50H	mm
HOLE - HOLE	183.00W X 47.00H	mm
CHARACTER SIZE	2.78W X 4.89H	mm
CHARACTER PITCH	0.75W X 1.20H	mm
DOT SIZE	0.50W X 0.55H	mm
DOT PITCH	0.07W X 0.07H	mm

ELECTRONICAL CHARACTERISTICS

ITEM	SYMBOL	CONDITION	STANDARD			UNIT
			MIN	TYP	MAX	
Input voltage	Vdd	+5V	4.7	5.0	5.5	V
		+3.6V	2.7	3.6	4.5	V
		+3.0V	2.7	3.0	4.5	V
Supply current	Idd	Vdd=5V	---	3.5	4.0	mA
Recommended LCD driving voltage for normal temp version module	Vdd-V0	0 °C	4.5	---	4.9	V
		25 °C	4.3	4.5	4.8	
		50 °C	4.2	---	4.8	
LED forward voltage	V_F	25 °C	3.8	---	4.4	V
LED forward current	I_F	25 °C	---	480	---	mA
EL power supply current	EL	AC 400Hz V_{EL} =110V	----	---	---	mA

DISPLAY CHARACTER ADDRESS CODE

Display position	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*
DDRAM address	*00*	*01*	*02*	--	--	--	--	--								*0F*
DDRAM address	*40*	*41*	*42*	--	--	--	--	--								*4F*