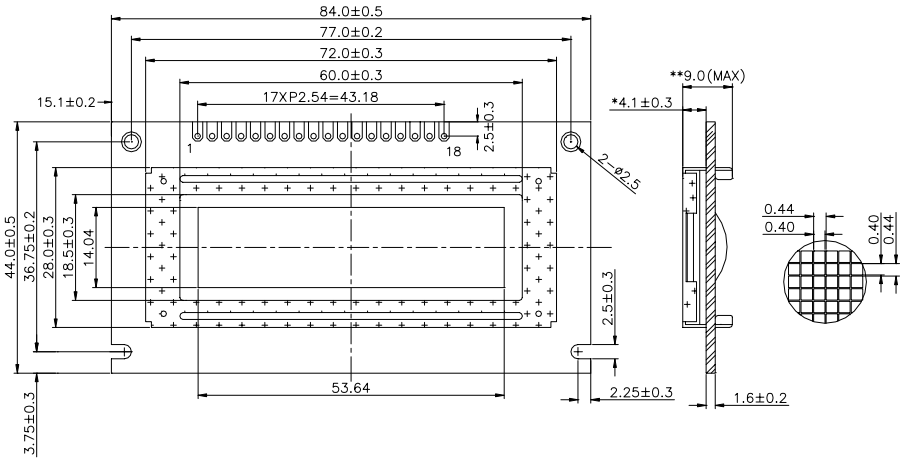
HE126XX01

122 X 32 Dots

1、EXTERNAL DIMENSION AND DISPLAY PATTERN



* LED BACKLIGHT VERSION=9.4

** LED BACKLIGHT VERSION=14.2

2、MECHANICAL DATA

ITEM	SPECIFICATION	UNIT
Module Size (W×H×T)	84.0×44.0×9.0 (LED:14.2)	mm
Viewing Area (W×H)	60.0×18.5	mm
Number of Dots (W×H)	122×32	dots
Dot Pitch (W×H)	0.44×0.44	mm
Dot Size (W×H)	0.4×0.4	mm

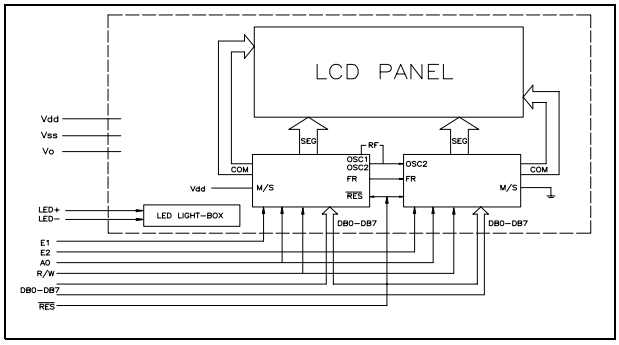
3、ELECTRICAL CHARACTERISTICS (Ta=25℃)

ITEM		SYMBOL	CONDITION	SPEC. VALUE			UNIT
				MIN.	TYP.	MAX.	
Supply Voltage (Logic)		V_{DD} - V_{SS}		4.5	5.0	5.5	V
Supply Current (Logic)		I_{DD}	V_{DD}=5V	-	2.0	3.0	mA
Input Voltage	"HIGH"	V_{IH}	-	0.8V_{DD}	-	V_{DD}	V
	"LOW"	V_{IL}	-	0	-	0.3V_{DD}	V
Output Voltage	"HIGH"	V_{OH}	I_{OH}=3.0mA	V_{DD} + 2.4	-	V_{DD}	V
	"LOW"	V_{OL}	I_{OL}=3.0mA	-	-	V_{DD}+0.4	V
LCD Operating Voltage		V_{DD} - V_o	V_{DD}=5V, Ta=25℃	-	5.0	-	V
Supply Voltage LCD Drive		I_o		-	1.0	1.5	mA

4、PIN CONFIGURATION

PIN	SYMBOL	SIGNAL DESCRIPTION	PIN	SYMBOL	SIGNAL DESCRIPTION
1	V_{SS}	Ground	10	DB_2	Data Bit 2
2	V_{DD}	Logic Voltage	11	DB_3	Data Bit 3
3	V_o	Operating Voltage for LCD (Variable)	12	DB_4	Data Bit 4
4	A0	Register Select (H : Data Code, L : Instruction Code)	13	DB_5	Data Bit 5
5	E1	Enable for IC1	14	DB_6	Data Bit 6
6	E2	Enable for IC2	15	DB_7	Data Bit 7
7	R/W	H : Read (Module→MPU), L : Write (MPU→Module)	16	/RES	Reset Signal
8	DB_0	Data Bit 0	17	A	Anode of LED Unit
9	DB_1	Data Bit 1	18	K	Cathode of LED Unit

5、BLOCK DIAGRAM



6、BACKLIGHTING CHARACTERISTICS (Ta=25℃)

LED

ITEM	SYMBOL	CONDITION	MIN	TYP	MAX	UNIT
Supply Voltage	V_{LED}	-	-	4.1	4.25	V
Power Consumption	P_{LED}	I_F=90mA	-	369	-	mW
Luminous	I_V	I_F=90mA	-	-	-	cd/m^2