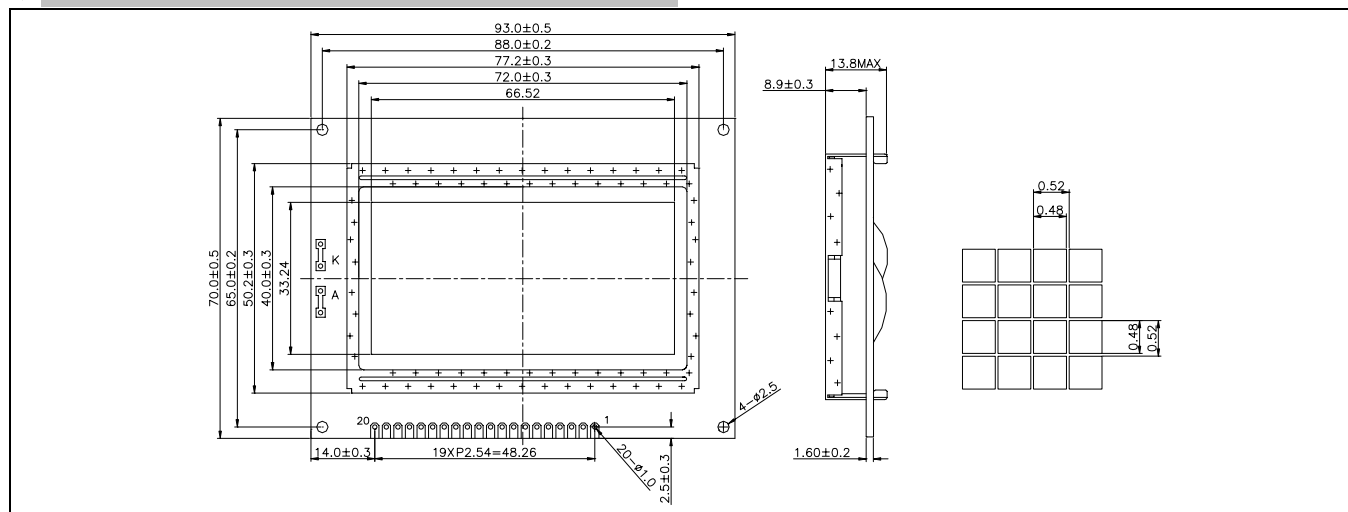


HE126XX05

128 X 64 Dots

1、EXTERNAL DIMENSION AND DISPLAY PATTERN



2、MECHANICAL DATA

ITEM	SPECIFICATION	UNIT
Module Size (W×H×T)	93.0×70.0×13.8	mm
Viewing Area (W×H)	72.0×40.0	mm
Number of Dots (W×H)	128×64	dots
Dot Pitch (W×H)	0.52×0.52	mm
Dot Size (W×H))	0.48×0.48	mm

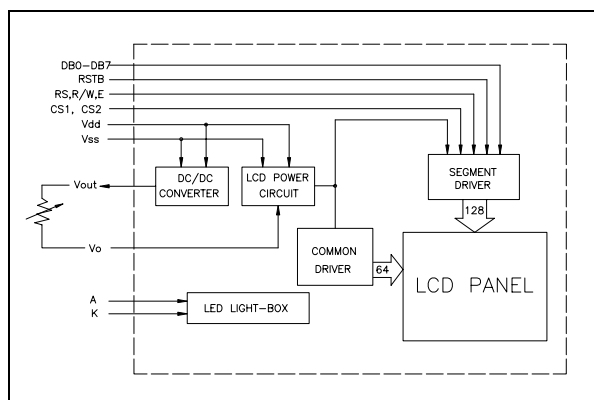
3、ELECTRICAL CHARACTERISTICS (Ta=25℃)

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}	$V_{DD}=5V$	-	9.5	14.3	mA
Input Voltage	"HIGH"	V_{IH}	-	$0.7V_{DD}$	-	V_{DD}
	"LOW"	V_{IL}	-	0	-	$0.3V_{DD}$
Output Voltage	"HIGH"	V_{OH}	$-I_{OH}=0.205mA$	2.4	-	-
	"LOW"	V_{OL}	$I_{OL}=1.6mA$	-	-	0.4
LCD Operating Voltage	$V_{DD} - V_o$	$V_{DD}=5V, Ta=25℃$	-	12.5	-	V
Supply Voltage LCD Drive	I_o		-	3.0	4.5	mA

4、PIN CONFIGURATION

PIN	SYMBOL	SIGNAL DESCRIPTION	PIN	SYMBOL	SIGNAL DESCRIPTION
1	V_{SS}	GND (0V)	11	DB_4	Data Bit 4
2	V_{DD}	Power Supply	12	DB_5	Data Bit 5
3	V_o	Supply Voltage LCD Driving	13	DB_6	Data Bit 6
4	RS	Register Select Low = Instruction, High = Data	14	DB_7	Data Bit 7
5	R/W	H : Read (Module→MPU), L : Write (MPU→Module)	15	CS1	Chip Select Signal for IC1
6	E	Enable	16	CS2	Chip Select Signal for IC2
7	DB_0	Data Bit 0	17	/RES	Reset Signal
8	DB_1	Data Bit 1	18	V_{out}	Power supply for LCD
9	DB_2	Data Bit 2	19	A	Anode of LED Unit
10	DB_3	Data Bit 3	20	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	4.3	V
Power Consumption	P_{LED}	$I_F=360mA$	-	1476	-	mW
Luminous	I_V	$I_F=360mA$	-	230	-	cd/m ²