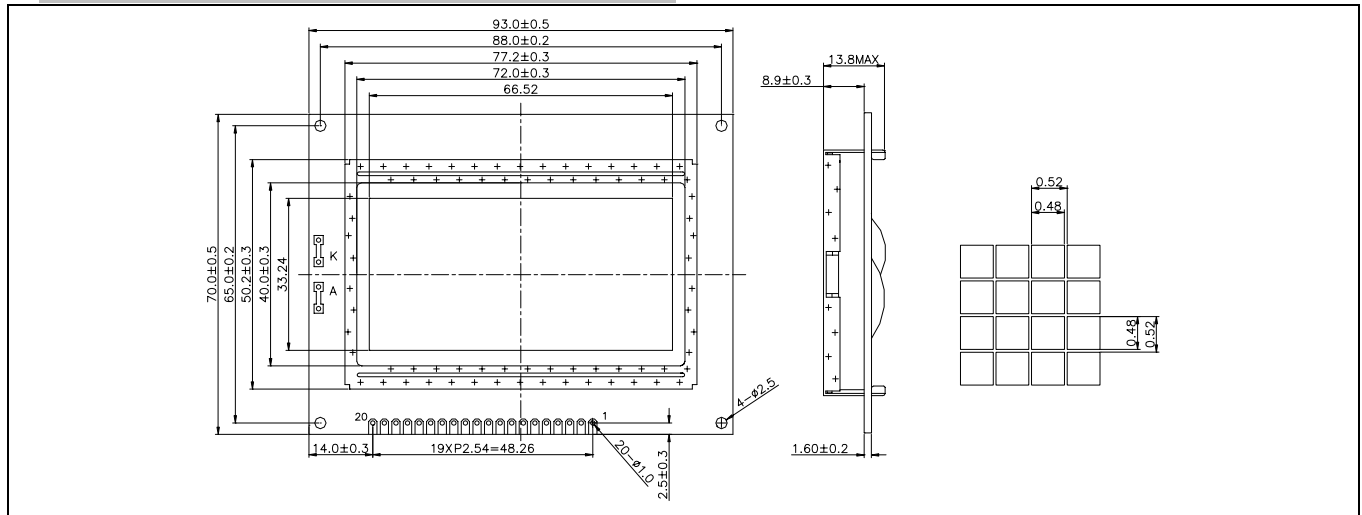


HE126XX05

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

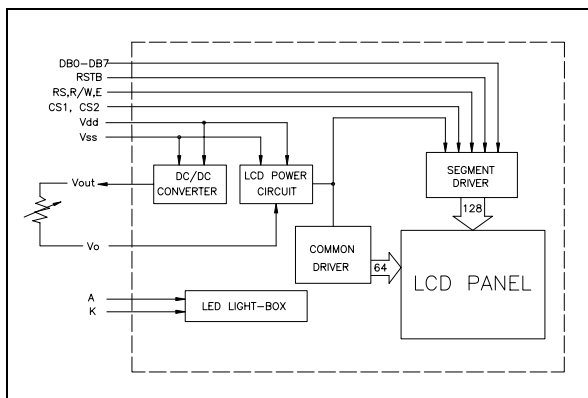
3. ELECTRICAL CHARACTERISTICS (Ta=25 °C)

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} V
	"LOW"	V _{IL}	-	0	-	0.3V _{DD} V
Output Voltage	"HIGH"	V _{OH}	-I _{OH} =0.205mA	2.4	-	- V
	"LOW"	V _{OL}	I _{OL} =1.6mA	-	-	0.4 V
LCD Operating Voltage	V _{DD} - V _o	V _{DD} =5V, Ta=25 °C	-	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 °C)

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