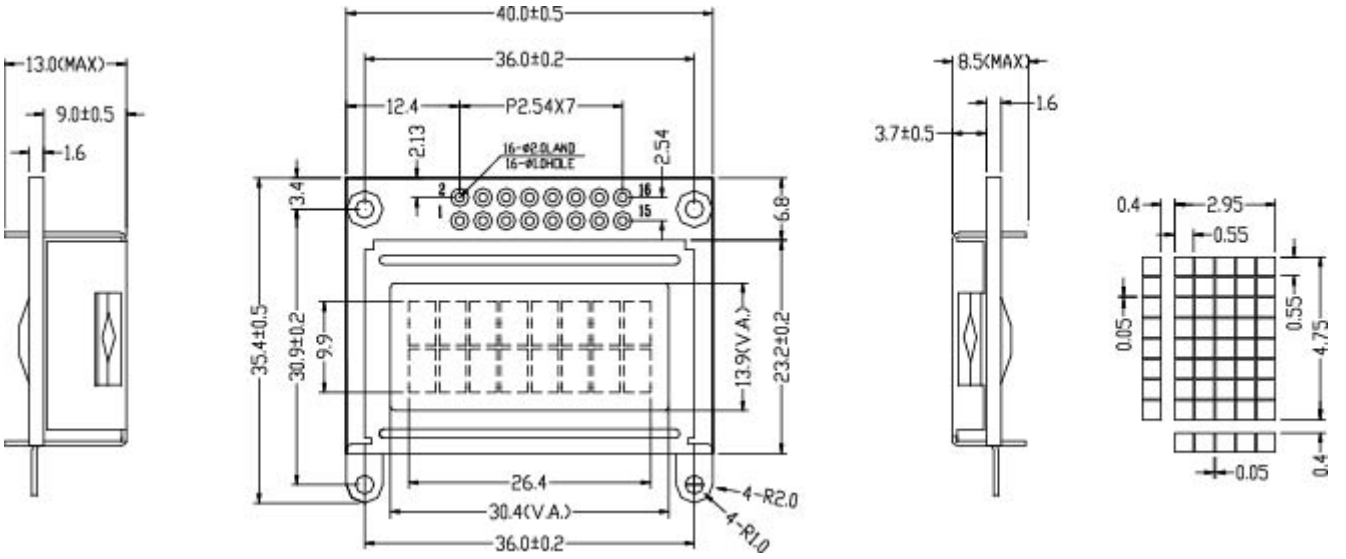
GDM0802A



Unit:mm

FEATURE

1. 5X7 dots with cursor
2. Built in controller(S6A0069 or equivalent)
3. +5V Power supply(Also available for+3.0V)
4. 1/16 duty cycle
5. 8 bits parallel interface
6. N.V.optional

INTERFACE PIN CONNECTIONS

PIN NO.	SYMBOL	FUNCTION
1	VSS	Power supply
2	VDD	
3	V0	Contrast adjustment
4	RS	H/L Register select signal
5	R/W	H/L Read/Write signal
6	E	H/L Enable signal
7	DB0	H/L Data bus for 4 bit or 8 bit mode
8	DB1	
9	DB2	
10	DB3	
11	DB4	
12	DB5	
13	DB6	
14	DB7	
15	A	+4.2V for BKL
16	K	Power supply for BKL (0V)

THICKNESS

VERSION	T1	T2	UNIT
EL&NO BACKLIGHT	3.7	8.5	mm
LED BACKLIGHT	9.0	13.0	

MECHANICAL DATA

ITEM	STANDARD	UNIT
Module dimension	40.0×35.4	mm
Viewing area	30.4×13.9	mm
Dot size	0.55×0.55	mm
Character size	2.95×4.75	mm

MAXIMUM RATING

ITEM	SYMBOL	STANDARD			UNIT
		MIN.	TYP.	MAX.	
Power supply	VDD-VSS	-0.3	---	7.0	V
Input voltage	Vi	-0.3	---	VDD+0.3	

ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	CONDITION	STANDARD			UNIT
			MIN.	TYP.	MAX.	
Input voltage	VDD	-	4.5	5.0	5.5	V
		-	2.7	3.0	3.3	
Supply current	IDD	VDD=5.0	-	1.5	3.0	mA
Recommended LCD driving voltage for normal temp version module	VDD-V0	-20℃	-	-	-	V
		0℃	4.7	4.7	5.0	
		25℃	4.3	4.5	4.7	
		50℃	4.1	4.3	4.5	
		70℃	-	-	-	
LEDBKL voltage	VF	25℃	-	4.2	4.6	
LEDBKL current	IF	VF=4.2V	-	60	-	mA

DISPLAY CHARACTER ADDRESS CODE

DISPLAY POSITON	1	2	3	4	5	6	7	8
DDRAM address	00	01	02	03	04	05	06	07
DDRAM address	40	41	42	43	44	45	46	47