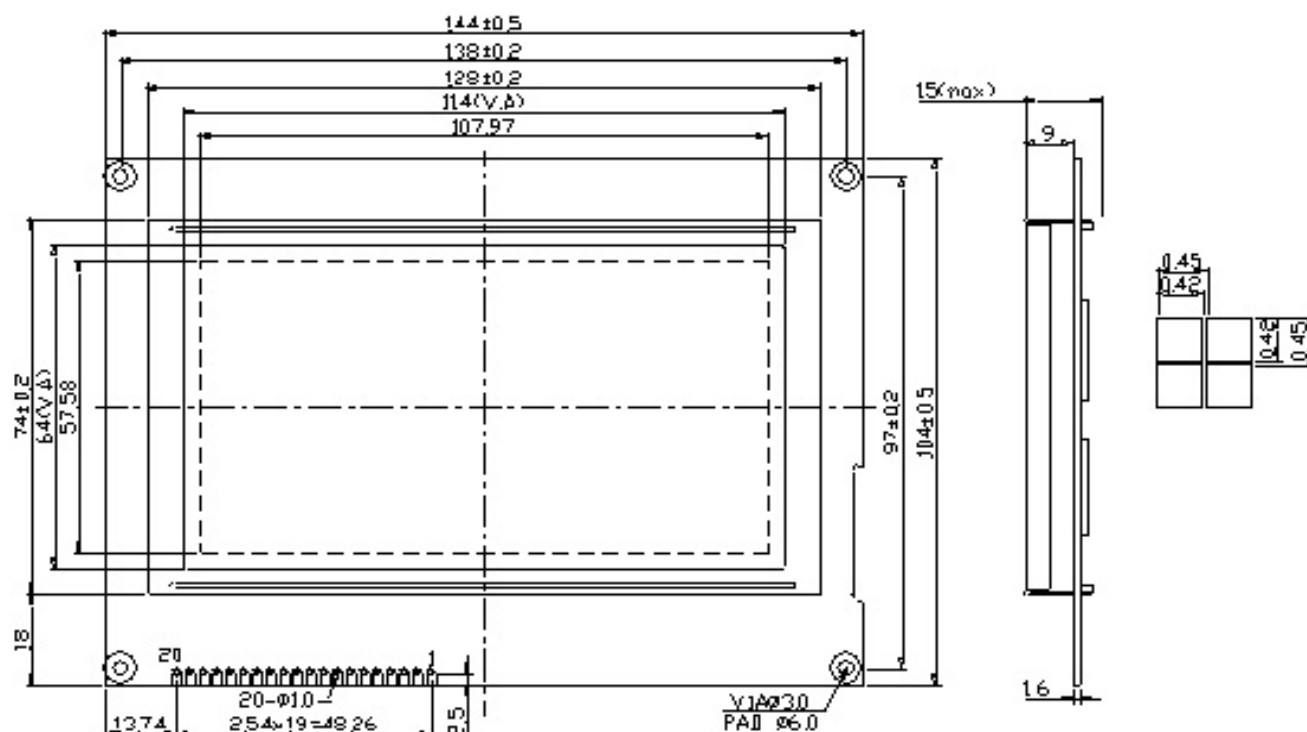
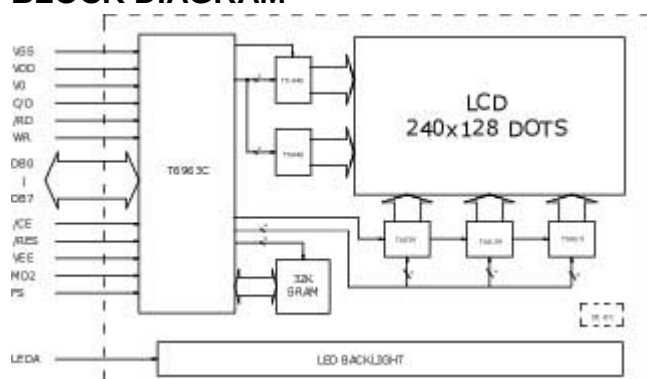




Unit:mm

BLOCK DIAGRAM



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	
8	DB1	
9	DB2	
10	DB3	

FEATURE

1. Display format: 240x128 dots matrix graphic
2. STN or FSTN mode
3. Interface with 8-bit MPU
4. Low power consumption
5. LED backlight
6. Viewing angle: 6:00 clock or 12:00 clock
7. Driving method: 1/128 duty, 1/11 bias
8. LCD controller: T6963C

MECHANICAL DATA

ITEM	STANDARD	UNIT
Module dimension	144.0×104.0	mm
Viewing area	114.0×64.0	mm
Dot size	0.42×0.42	mm
Dot pitch	0.45×0.45	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	

