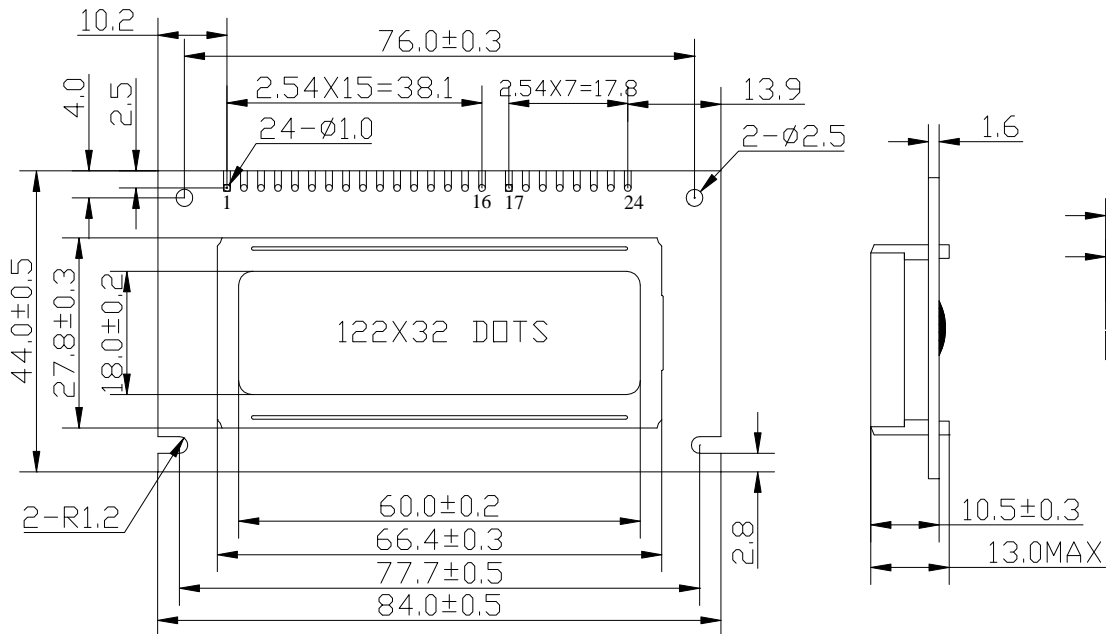


# MJ12232F



## ①PHYSICAL DIMENSION



## ②MECHANICAL SPECIFICATIONS

Item	Normal Dimensions(mm)
Module Size(W×H×T)	84.0×44.0×13.0
Viewing Area(W×H)	60.0×18.0
Dot Pitch(W×H)	0.40×0.45
Dot Size(W×H)	0.36×0.41

## ④FEATURE

LCD Type & Colour	STN:Yellow-Green、Blue,FSTN
View Angle	6 O'clock
Display Type	Positive Type,Negative Type
Control IC & Package	ST7920,COB
Operating Temperature	-20℃~70℃
Storage Temperature	-30℃~80℃

## ③PIN CONNECTIONS

Pin	Symbol	Function
1,17	VSS	Ground for Logic(0V)
2,18	VDD	Power supply for Logic(+5V)
3,19	V0	Power supply for LCD Driver
4,20	RS	H: Data;L: Instruction Code (P) / Clock (S)
5,21	R/W	H: Read; L: Write(P) / Data input (S)
6,22	E	Enable Signal (P) / Chip Select(S)
7~14	DB0~DB7	Data Bus Line
15,23	LED+	Backlight Power (+5V)
16,24	LED-	Backlight Power (0V)

Connect J1 of pcb: Parallel mode

Connect J2 of pcb:Serial mode

## ⑤ELECTRICAL CHARACTERISTICS (Supply current doesn't contain backlight)

Item	Symbol	Test Condition	Typ.	Unit
Operating Voltage	Vdd	Ta=25℃	5.0	V
Supply Current	Idd	Ta=25℃ , Vdd=5.0V	6.0	mA