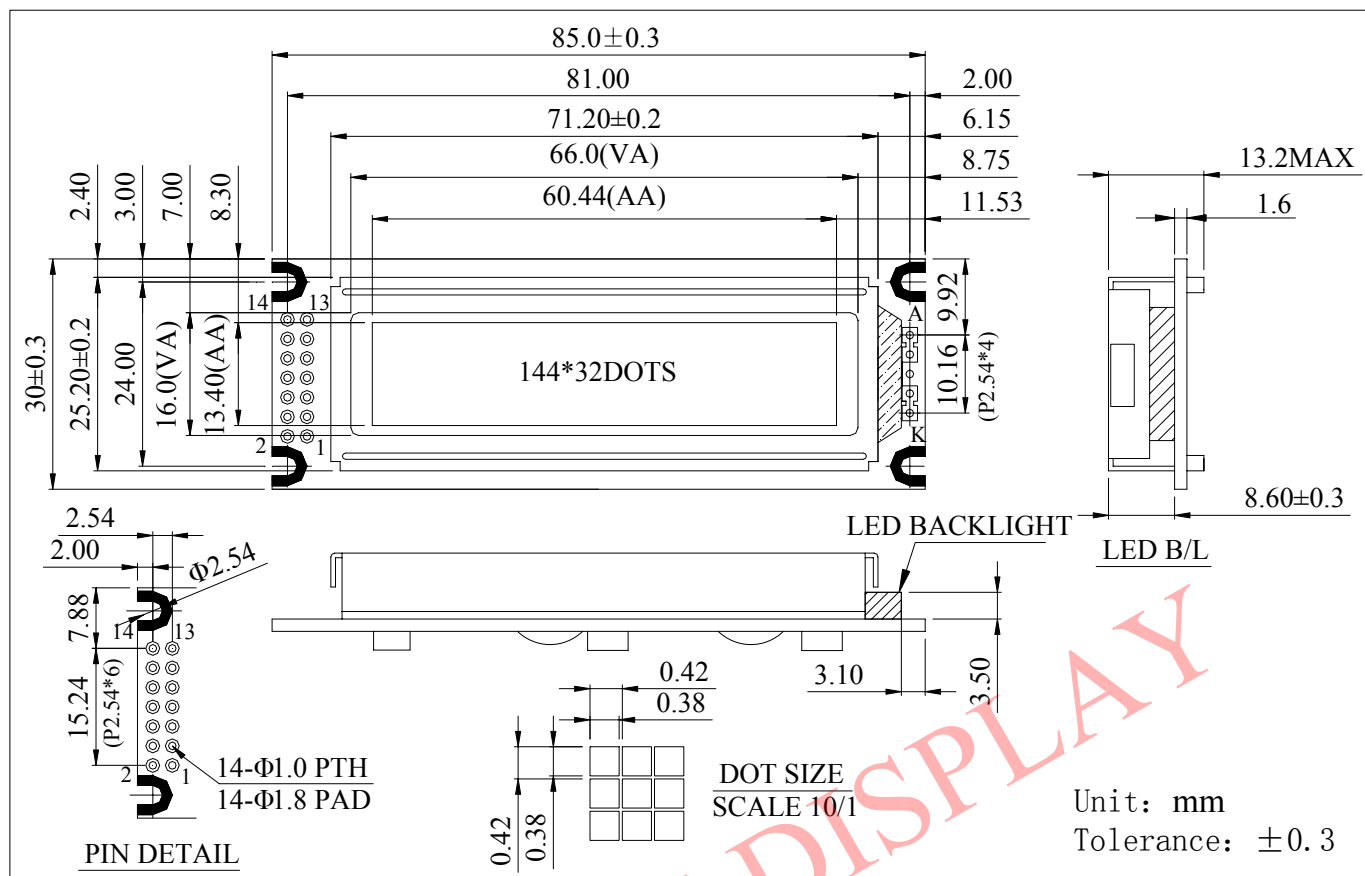




PIN CONNECTIONS

Pin	Symbol	Level	Function
1	V _{DD}	+5.0V	Power Supply for logic
2	V _{SS}	0V	GND
3	NC	-	No connection
4	CS	H	Chip select, active "L"
5	SID	H/L	Serial data input
6	SCLK	H/L	Serial clock input
7~14	NC	-	No connection

NOTES:

1. Built-in controller(7920)
2. Serial(SPI) interface
3. STN, COG
3. Display color :Blue

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size (W x H x T)	85.0×30.0×13.2MAX	mm
Viewing Area (W x H)	66.0×16.0	mm
Dot Pitch (W x H)	0.42×0.42	mm
Dot Size (W x H)	0.38×0.38	mm

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage(Logic)	V _{DD} -V _{SS}	0	5.5	V
Supply Voltage(LCD)	V _{LCD}	0	7.0	V
Operating Temp	T _{OPR.}	-20	70	°C
Storage Temp	T _{STG.}	-30	80	°C

ELECTRICAL CHARACTERISTICS(V_{DD}=5.0V, Ta=25°C)

Item	Sym.	Min.	Typ.	Max.	Unit
Input High Voltage	V _{IH}	0.7V _{DD}	--	V _{DD}	V
Input Low Voltage	V _{IL}	-0.3	--	0.6	V
Supply Current	I _{DD}	-	1.4	-	mA
LCD Driving Voltage	V _{DD} -V ₀	-	4.7	-	V

LED BACKLIGHT SPECIFICATION (Ta=25°C)

Item	Forward Voltage	Forward Current
White	3.0V	If= 30