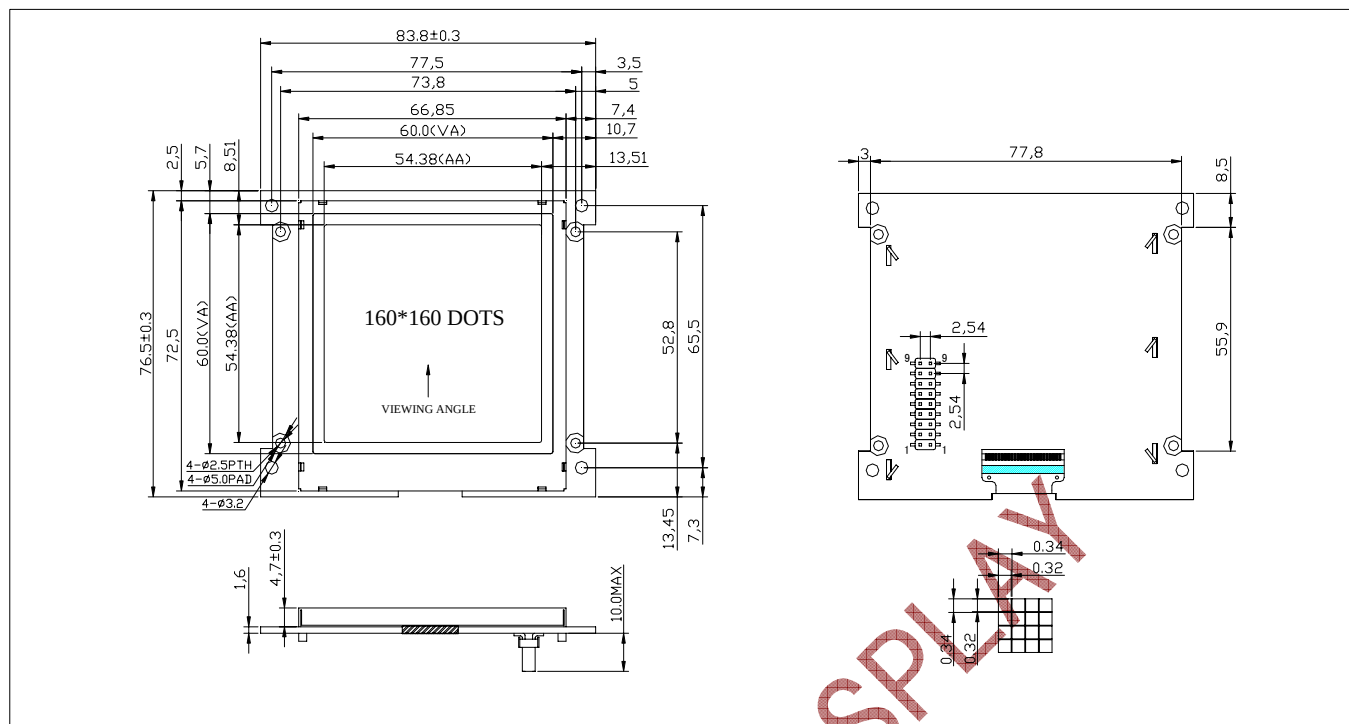




PIN CONNECTIONS

Pin	Symbol	Level	Function
1	SDA	H/L	Data for serial mode
2	V _{SS}	0V	GND
3	SCLK	H/L	Serial clock
4	/REST	L	Reset signal, active "L"
5	A0	H/L	"H" Data "L" Instruction code
6	/CS	L	Chip select signal
7	V _{DD}	+3.3V	Power supply for logic
8	LEDA	+5.0V	Power supply for LED
9	LEDK	0V	

NOTES:

1. Built-in controller (UC1698)
2. FSTN, COG

MECHANICAL DATA

Item	Nominal Dimensions	Unit
Module Size (W x H x T)	83.8X76.5X16.3	mm
Viewing Area (W x H)	60.0 X 60.0	mm
Dot Pitch (W x H)	0.34X0.34	mm
Dot Size (W x H)	0.32X0.32	mm

ABSOLUTE MAXIMUM RATINGS

Item	Symbol	Min.	Max.	Unit
Supply Voltage (Logic)	V _{DD} -V _{SS}	-0.3	4.0	V
Supply Voltage (LCD)	V ₀	-0.3	19.8	V
Input Voltage	V _I	-0.3	V _{DD} +0.3	V
Operating Temp	T _{OPR}	-30	80	°C
Storage Temp	T _{STG}	-30	80	°C

ELECTRICAL CHARACTERISTICS (V_{DD}=5V, T_a=25°C)

Item	Symbol	Min.	Typ.	Max.	Unit
Input High Voltage	V _{IH}	0.5V _{DD}	3.3	V _{DD}	V
Input Low Voltage	V _{IL}	0	-	0.2 V _{DD}	V
Output High Voltage	V _{OH}	2.4	-	V _{DD}	V
Output Low Voltage	V _{OL}	0	-	0.4	V
Supply Current	I _{DD}	-	TBD	--	mA
LCD Driving Voltage	V ₀	-	16.5	-	V

LED BACKLIGHT SPECIFICATION (T_a=25°C)

Item	Forward Voltage	Forward Current
WHITE	3.1V	60mA