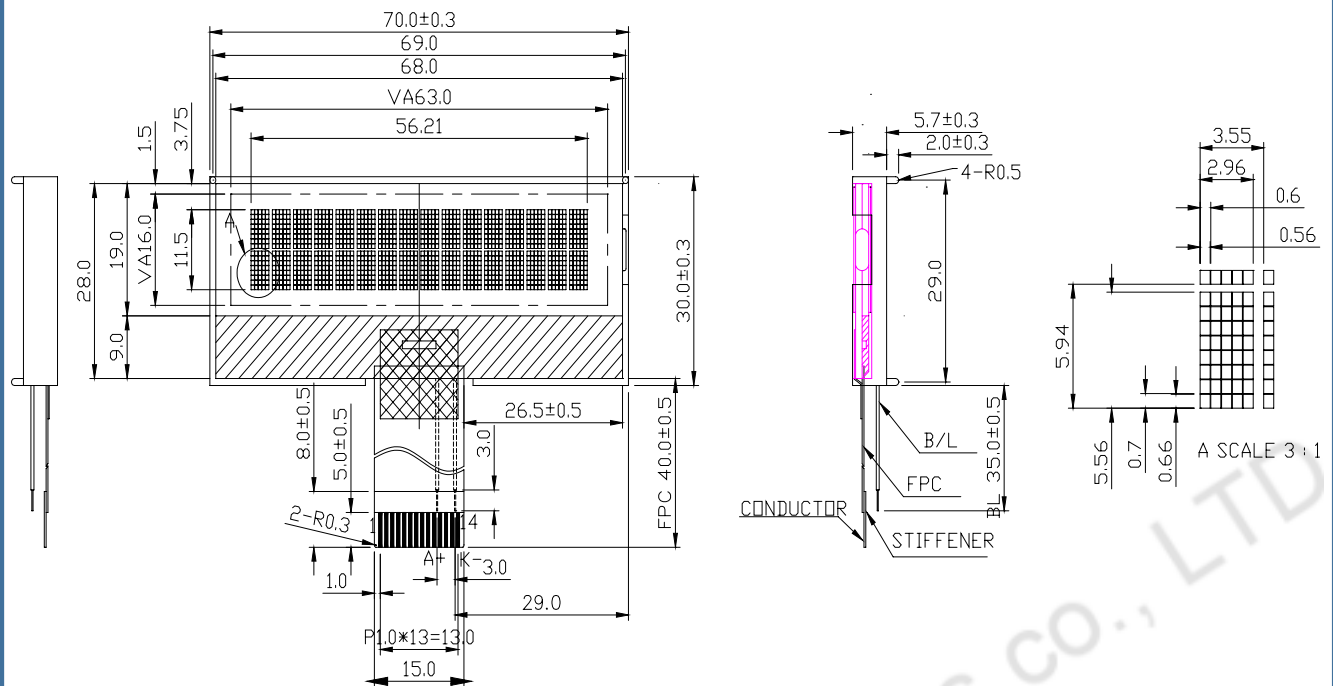




FEATURES

BUILT-IN CONTROLLER (NT7603 OR EQUIVALENT)
+5 V POWER SUPPLY
1/16 DUTY CYCLE
8-BIT PARALLEL INTERFACE

MECHANICAL DATA

ITEM	DIMENSIONS	UNIT
Module Size (W x H x T)	70.0 x 30.0 x 5.7	mm
Viewing Area (W x H)	63.0 x 16.0	mm
Active Area (W x H)	56.21 x 11.0	mm
Dot Size (W x H)	0.56 x 0.66	mm
Dot Pitch (W x H)	0.60 x 0.70	mm

INTERFACE PIN CONNECTIONS

NO.	SYMBOL	LEVEL	FUNCTION
1	VSS	0V	Power Supply Ground
2	Vo	-	Contrast Adj.
3	VDD	5V	Power Supply Voltage
4	RS	H/L	Register Select
5	R/W	H	Read/Write
6	E	H	Enable Signal
7~14	D0~D7	H/L	Data Bus Line

ABSOLUTE MAXIMUM RATINGS

ITEM	SYMBOL	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	VDD-VSS	0	-	7	V
Supply Voltage For LCD Drive	VDD-Vo	0	-	12	V
Input Voltage	Vi	VSS	-	VDD	V

ELECTRICAL CHARACTERISTICS

ITEM	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Supply Voltage For Logic	VDD-VSS	-	2.8	5	5.5	V
Supply Voltage For LCD	VDD-Vo	VDD=5V Ta=25	4	4.3	4.6	V
Supply Current	IDD	VDD=5V	-	1.2	2	mA
Input Voltage	"HIGH" Level	VIH	-	2.2	-	VDD
	"LOW" Level	VIL	-	-	-	0.6
Output Voltage	"HIGH" Level	VOH	-	2.4	-	V
	"LOW" Level	VOL	-	-	-	0.4