



NOTE:
 1) VIEWING DIRECTION (6H) ↑
 2) A: PITCH 1.0X13=13.0±0.2

Features:

- Duty ratio: 1/16
- LCD option: TN, STN
- Backlight option(H2/H1mm): none(-/2.8)
- Controller IC: NT7603

Address code:

Display position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Address line 1	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
Address line 2	40	41	42	43	44	45	46	47	48	49	4A	4B	4C	4D	4E	4F

Pin Assignment

Pin no.	Symbol	Function
1	VSS	Power supply (GNP)
2	VO	Contrast Adjustment
3	VDD	Power supply (+)
4	RS	Register select signal
5	R/W	Read/write selection
6	E	Enable signal
7	DB0	Data bus
8	DB1	Data bus
9	DB2	Data bus
10	DB3	Data bus
11	DB4	Data bus
12	DB5	Data bus
13	DB6	Data bus
14	DB7	Data bus

Absolute Maximum Rating

Item	Symbol	Condition	Min.	Max.	Units
Supply for logic voltage	VDD-VSS	25°C	-0.3	7.0	V
LCD driving supply voltage	VDD-VEE	25°C	3.0	VDD	V
Input Voltage	VIN	25°C	-0.3	+0.3	V

Electrical Characteristics

Item	Symbol	Condition	Min.	Typical	Max.	Units
Power supply voltage	VDD-VSS	25°C	4.75	5.0	5.25	V
LCD operation voltage	VOP	Top	N	W	N	W
		-20°C	-	-	-	-
		0°C	-	-	-	-
		25°C	-	4.3	-	4.7
		50°C	-	-	-	-
		70°C	-	-	-	-
LCM current consumption (No B/L)	Idd	Vdd=5V	-	0.5	1.5	mA
Backlight current consumption	LED/edge	VB/L=4.2V	-	-	-	mA
	LED/array	VB/L=4.2V	-	-	-	mA