



**PIN FUNCTION**

NO.	SYMBOL
1	VDD
2	C86
3	VSS
4	V0
5	V4
6	V3
7	V2
8	V1
9	CAP2-
10	CAP2+
11	CAP1+
12	CAP1-
13	CAP3+
14	VOUT
15	VSS
16	D7
17	D6
18	D5
19	D4
20	D3
21	D2
22	D1
23	D0
24	/RD
25	/WR
26	A0
27	/RES
28	/CS1

**NOTES:**

1. DISPLAY TYPE:FSTN
2. VIEWING DIRECTION: 6 O' CLOCK
3. DRIVE METHOD:1/33DUTY 1/6BIAS
4. POLARIZER MODE:TRANSPARENTIVE/POSITIVE
5. LCD DRIVE VOLTAGE: 8.2V
6. OPERATING TEMP: -20°C~+70°C
7. STORAGE TEMP: -30°C~+80°C
8. DRIVER/CONTROLLER IC:NT7534H-BDT
9. LOGIC POWER SUPPLY VOLTAGE:3.0V
10. CONNECTION TYPE:FPC

**FEATURE**

1. FSTN, Positive, Transflective
2. IC: NOVATEK NT7534H-BDT
3. 1/33Duty, 1/6Bias, 6 O'clock
4. Backlight: NA, Display dot: Black, Background: White

**White**

Pin NO	Symbol	Function
1	VDD	Power supply input, these pads must be connected to each other.
2	C86	This is the MPU interface switch terminal..
3	VSS	Ground, these pads must be connected to each other.
4	V0	LCD driver supplies voltages, the voltage determined by the LCD cell is impedance-converted by a resistive driver or an operation amplifier for application. Voltages should be according to the following relationship: $V0 \geq V1 \geq V2 \geq V3 \geq V4 \geq VSS2$
5	V4	
6	V3	
7	V2	
8	V1	
9	CAP2-	Capacitor 2- pad for internal DC/DC voltage converter.
10	CAP2+	Capacitor 2+ pad for internal DC/DC voltage converter
11	CAP1+	Capacitor 1+ pad for internal DC/DC voltage converter
12	CAP1-	Capacitor 1- pad for internal DC/DC voltage converter
13	CAP3+	Capacitor 3+ pad for internal DC/DC voltage converter
14	VOUT	DC/DC voltage converter output
15	VSS	Ground, these pads must be connected to eah other.
16	D7	This is an 8-bit bi-directional data bus that connects to an 8-bit or 16-bit standard MPU data bus.
17	D6	
18	D5	
19	D4	

MECHANICAL DATA		
Item	Standard Value	Unit
Module Dimension	34.8(W) × 28.5(H) × 1.7MAX(T)	mm
Viewing Area	31.9(W) × 9.9(H)	mm
Dot Size	0.195(W) × 0.225(H)	mm
Dot Pitch	0.22(W) × 0.25(H)	mm

ABSOLUTE MAXIMUM RATING					
Item	Symbol	Standard Value			Unit
		min	typ	max	
Supply Voltage For Logic	VDD	-0.3	-	+4.0	V
Input Voltage	VIN	-0.3	-	VDD+0.3	V

ELECTRONICAL CHARACTERISTICS						
Item	Symbol	Condition	Standard Value			Unit
			min	typ	max	
Input Voltage	VIH	VDD=3.0V±5%	0.8VDD	-	VDD	V
	VIL		VSS	-	0.2VDD	
Output Voltage	VOH	VDD=3.0V±5%	0.8VDD	-	VDD	V
	VOL		VDD	-	0.2VDD	
Supply Current	IDD	VDD=3.0V±5%	-	0.07	1.0	mA
Logic Supply Voltage	VDD-VSS	Ta=0~50°C	1.8	3.0	3.6	V
LCD Drive Voltage	V0-VSS	Ta=25°C	7.9	8.2	8.5	V