



PIN DESCRIPTION

NO.	SYMBOL	NO.	SYMBOL	NO.	SYMBOL
1	NC	16	D1	31	CAP1-
2	NC	17	D2	32	CAP1+
3	NC	18	D3	33	CAP2+
4	NC	19	D4	34	CAP2-
5	NC	20	D5	35	NC
6	NC	21	D6	36	NC
7	NC	22	D7	37	V1
8	NC	23	NC	38	V2
9	/CS1	24	NC	39	V3
10	NC	25	VDD	40	V4
11	/RES	26	VDD	41	V0
12	A0	27	VSS	42	VR
13	R/W	28	VOUT	43	NC
14	E/RD	29	NC	44	NC
15	D0	30	CAP3+	45	CB6
				46	P/S
				47	NC
				48	IRS
				49	NC

DETAIL DOTS:
(SCALE 10*)

- NOTES:**
1. DISPLAY TYPE: FSTN
 2. VIEWING DIRECTION: 6 O'CLOCK
 3. POLARIZER TYPE: TRANSPARENTIVE/POSITIVE
 4. DRIVE METHOD: 1/33DUTY, 1/6BIAS
 5. LCD DRIVING VOLTAGE: 9.0V
 6. LOGIC SUPPLY VOLTAGE: 3.0V
 7. OPERATING TEMP: -20°C TO +70°C
 8. STORAGE TEMP: -30°C TO +80°C
 9. CONTROLLER IC: NT7532H-BDT
 10. CONNECTOR TYPE: FPC

FEATURE

1. FSTN, Positive, Transflective
2. IC: NOVATEK NT7532H-BDT
3. 1/33Duty, 1/6Bias, 6 O'clock
4. Backlight: NA, Display dot: Black, Background: White

Pin NO	Symbol	Function
1-8	NC	No connection.
9	/CS1	This is the chip select signal.
10	NC	No connection
11	/RES	When RES is set to "L", the settings are initialized.
12	A0	This is connected to the least significant bit of the normal MPU address bus, and it determines whether the data bits are data or a command.
13	R/W	When connected to an 8080 MPU, it is active LOW
14	E/RD	
15~22	D0~D7	This is an 8-bit bi-directional data bus that connects to an 8-bit or 16-bit standard MPU data bus
23-24	NC	No connection.
25	VDD	2.4-3.5V power supply input.
26	VDD	2.4-3.5V power supply output for pad option.

MECHANICAL DATA		
Item	Standard Value	Unit
Module Dimension	34.7(W) × 36.4(H) × 1.8MAX(T)	mm
Viewing Area	32.7MIN(W) × 9.9MIN(H)	mm
Dot Size	0.20(W) × 0.21(H)	mm
Dot Pitch	0.22(W) × 0.23(H)	mm

ABSOLUTE MAXIMUM RATING					
Item	Symbol	Standard Value			Unit
		min	typ	max	
Supply Voltage For Logic	VDD-VSS	-0.3	-	+3.6	V
Input Voltage	VIN	-0.3	-	VDD+0.3	V

ELECTRONICAL CHARACTERISTICS						
Item	Symbol	Condition	Standard Value			Unit
			min	typ	max	
Input Voltage	VIH	-	0.8VDD	-	VDD	V
	VIL		VSS	-	0.2VDD	
Output Voltage	VOH	IOH=-0.5mA	0.8VDD	-	VDD	V
	VOL	IOL=0.5mA	VDD	+	0.2VDD	
Current Consumption	IDD	-	-	0.13	1.0	mA
Logic Supply Voltage	VDD-VSS	-	2.4	3.0	3.5	V
LCD Drive Voltage	V0-VSS	-	8.7	9.0	9.3	V