



FEATURE

- 1. FSTN, Positive, Transflective**
- 2. IC: EK7011TCB-2201 or NT7701F3**
- 3. 1/160Duty, 1/13Bias, 6 O'clock**
- 4. Backlight: EL (Indigo-Blue), Display dot: Black, Background: White**

Pin NO	Symbol	Function
1	V5	Bias voltage non-select common driver
2	V2	
3	VEE	Power Supply for LCD (+V)
4	VDD	Power Supply for logic
5	FRAME	FRAME start signal (first line mark of common signal)
6	VGND	Ground
7	LOAD	Latch pulse of display data
8	VSS	Power Supply (0V)
9	(DF) M	Switch signal to convert LCD drive wave from into AC
10	/DISPOFF	H: Display on L: Display off
11	CP	Clock pules for segment shift register
12	V4	Bias voltage non-select segment driver
13	V3	
14	D3	
15	D2	Display data
16	D1	
17	D0	
18	NC	No connection
19	EL1	Power Supply for the EL1
20	EL2	Power Supply for the EL2

MECHANICAL DATA		
Item	Standard Value	Unit
Module Dimension	51.88(W) × 51.88(H) × 4.0MAX(T)	mm
Viewing Area	45.68MIN(W) × 45.68 MIN(H)	mm
Dot Size	0.245(W) × 0.245(H)	mm
Dot Pitch	0.265(W) × 0.265(H)	mm

ABSOLUTE MAXIMUM RATING					
Item	Symbol	Standard Value			Unit
		min	typ	max	
Supply Voltage For Logic	VDD-VSS	-0.3	—	7.0	V
Input Voltage	VIN	-0.3	—	VDD+0.3	V

ELECTRONICAL CHARACTERISTICS						
Item	Symbol	Condition	Standard Value			Unit
			min	typ	max	
Input Voltage	VIH	—	0.8VDD	—	—	V
	VIL		—	—	0.2VDD	
Output Voltage	VOH	IOH=−0.4mA	VDD−0.4	—	—	V
	VOL	IOL=+0.4mA	—	—	0.4	
Current Consumption	IDD	VDD=5.0V	—	0.62	5.0	mA
Supply Voltage For Logic	VDD-VSS	—	4.5	5.0	5.5	V
Supply Voltage For LCD	Vop=VEE-VSS	Ta=25°C	15.7	16.0	16.3	V