



**Features:**

- Resolution: 160S\*160C Dots
- Duty ratio: 1/160
- LCD option: FSTN
- Backlight option(H2/H1mm): EL(6.5/10.2)
- PDA Solution
- EL Driver IC built-in
- Touch panel built-in

**Optional:**

- TDF film version available
- The icon of membrane can be modified by requested

Pin Assignment		
Pin No.	Symbol	Function
1	Vss	Power supply (0V)
2	FLM	Frame pulse
3	CL1(LP)	Line pulse
4	CL2(SCP)	Shift clock
5	M	Frame reverse signal (Alternate signal)
6	VDD	Power supply voltage for logic.
7	BLE	Backlight ON/OFF control,HIGH enable.
8	VEE	Power supply voltage for LCD (+V)
9	D3	Data Display
10	D2	Data Display
11	D1	Data Display
12	D0	Data Display
13	TP_L	Touch Panel Pin Output Left
14	TP_U	Touch Panel Pin Output Up
15	TP_R	Touch Panel Pin Output Right
16	TP_D	Touch Panel Pin Output Down
17	VSS	Power supply (0V)
18	VSS	Power supply (0V)

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	Vee-Vss	25°C	-0.3	30.0	V			
Input Voltage	VIN	25°C	-0.3	Vdd+0.3	V			
Electrical Characteristics								
Item	Symbol	Condition	Min.	Typical	Max.	Units		
Power supply voltage	Vdd-Vss	25°C	2.7	3.0	3.3	V		
LCD operation voltage	VOP	Top	N	W	N	W	V	
		-20°C	-	-	-	20.6	-	V
		0°C	-	-	-	-	-	V
		25°C	-	-	-	19.0	-	V
		50°C	-	-	-	-	-	V
		70°C	-	-	-	17.0	-	V
LCM current consumption (with:EL B/L)	Idd	Vdd=3V	-	20	-	mA		
	Iee	Vee=19.0V	-	1.0	-	mA		
Backlight current consumption	EL	-	-	-	-	mA		

