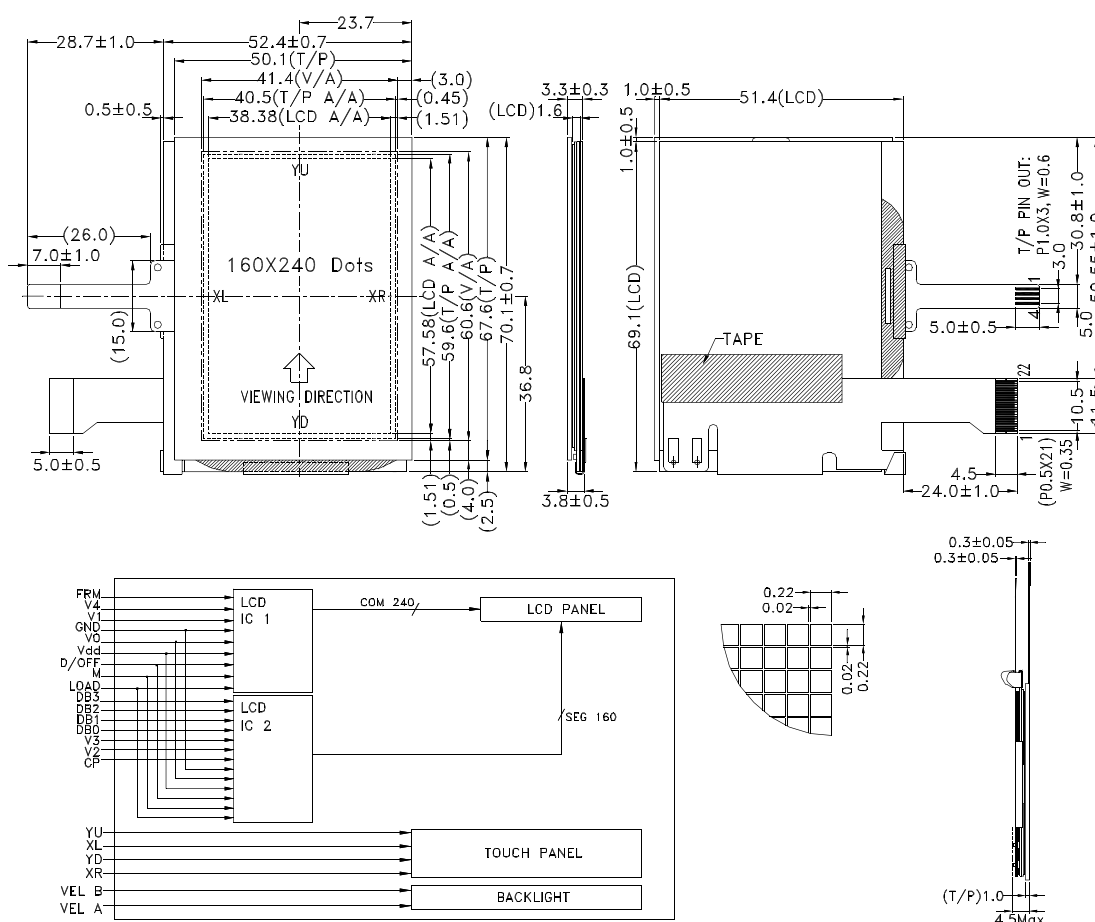




Features:

- Resolution: 160S*240C Dots
- Duty ratio: 1/240
- LCD option: FSTN
- Backlight option(H2/H1mm): EL(-/3.8)
- Touch panel built-in

Pin Assignment			
LCD Module		LCD Module	
Pin No.	Symbol	Pin No.	Symbol
1	V4	19	GND
2	V1	20	VEL B
3	V0	21	GND
4	VDD	22	VEL A
5	FRM		
6	GND	Touch panel	
7	LOAD	Pin No.	Symbol
8	GND	1	YU
9	M	2	XL
10	D/OFF	3	YD
11	CP	4	XR
12	V3		
13	V2		
14	DB3		
15	DB2		
16	DB1		
17	DB0		
18	GND		

Absolute Maximum Rating									
Item	Symbol	Condition	Min.		Max.		Units		
Supply for logic voltage	V _{dd} -V _{ss}	25°C	-0.3		7.0		V		
LCD driving supply voltage	V _{ee} -V _{ss}	25°C	-0.3		30.0		V		
Input Voltage	V _{IN}	25°C	-0.3		V _{dd} +0.3		V		
Electrical Characteristics									
Item	Symbol	Condition	Min.		Typical		Max.		Units
Power supply voltage	V _{dd} -V _{ss}	25°C	2.7		5.0		5.5		V
LCD operation voltage	VOP	Top	N	W	N	W	N	W	V
		-20°C	-	20.2	-	20.5	-	20.8	V
		0°C	-	-	-	-	-	-	V
		25°C	-	18.2	-	18.5	-	18.8	V
		50°C	-	-	-	-	-	-	V
		70°C	-	16.2	-	16.5	-	16.8	V
LCM current consumption (No B/L)	I _{dd}	V _{dd} =5V	-		0.3		-		mA
	I _{ee}	V _{ee} =18.5V	-		3.0		-		mA
Backlight current consumption	EL	V _{EL} =5V	-		40.0		-		mA