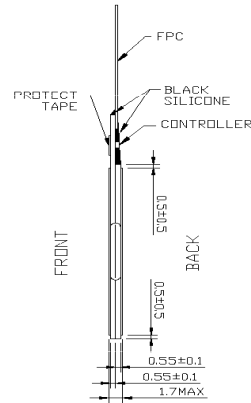


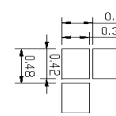
- NOTES:
- 1.DISPLAY TYPE:FSTN
 - 2.VIEWING DIRECTION:±6 O'CLOCK
 - 3.OPERATING VOLTAGE OF LCD:3.3V
 - 4.POLARIZER MODE:TRANSFLECTIVE/POSITIVE
 - 5.OPERATING TEMP:-20°C~+70°C
 - 6.STORAGE TEMP:-30°C~+80°C
 - 7.DRIVER:ST7533
 - 8.DRIVE METHOD:1/33DUTY 1/6BIAS
 - 9.POWER SUPPLY VOLTAGE:3.3V



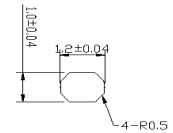
PIN DESCRIPTION

NO.	SYMBOL	NO.	SYMBOL
1	VR	10	C1+
2	V5	11	VOUT
3	V4	12	VSS
4	V3	13	SI
5	V2	14	SCL
6	V1	15	VDD
7	C2+	16	A0
8	C2-	17	RST
9	C1-	18	CS2

DETAIL "A" SCALE 10X



DETAIL "B"



FEATURE

1. FSTN, Positive, Transflective/Display dot: Black/Background: White
2. IC: SITRONIX ST7533
3. 1/33 Duty,1/6 Bias, 6 O'clock.
4. Backlight: NA

Pin NO	Symbol	Functions
1	VR	This is the internal-output VERG power for the LCD power supply voltage regulator.
2	V5	This is a multi-level power supply for the liquid crystal drive.
3	V4	
4	V3	
5	V2	
6	V1	
7	C2+	DC/DC voltage converter.
8	C2-	DC/DC voltage converter.
9	C1-	DC/DC voltage converter.
10	C1+	DC/DC voltage converter.
11	VOUT	DC/DC voltage converter.
12	VSS	This is a 0V terminal connected to the system GND.
13	SI	D7: serial data input(SI);
14	SCL	D6: the serial clock input(SCL)
15	VDD	Shared with the MPU power supply terminal VCC
16	A0	This is connect to the least significant bit of the normal MPU address bus, and it determines whether the data bits are data or a command.
17	RST	When RES is set to " L" , the settings are initialized.
18	CS2	This is the chip select signal.

MECHANICAL DATA		
Item	Standard Value	Unit
Module Dimension	38.0(W) X 48.5(H) X 1.7(T)	mm
Viewing Area	35.0(W) X 22.1(H)	mm
Dot Size	0.3(W) X 0.42(H)	mm
Dot Pitch	0.34(W) X 0.48(H)	mm

ABSOLUTE MAXIMUM RATING					
Item	Symbol	Standard Value			Unit
		min	typ	max	
Supply Voltage For Logic	VDD-VSS	2.0	-	5.5	V
Supply Voltage For LCD Drive	VDD-V5	4.0	-	13.0	V

ELECTRONICAL CHARACTERISTICS						
Item	Symbol	Condition	Standard Value			Unit
			min	typ	max	
Supply Voltage for Logic	VDD-VSS	Ta=25°C	1.8	3.3	3.8	V
Supply Voltage For LCD	VDD-V5	Ta=25°C	7.8	8.3	8.8	V
Input Voltage	VIH	Ta=25°C	0.8VDD	-	VDD	V
	VIL		VSS	-	0.2VDD	
Current Consumption	IDD	VIN=VDD	-	0.32	1	mA