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**SSF/SSH0683-M**

**6.8" LCD, 700 nits LED backlight, 480 x 1280 ultra-wide aspect ratio 6:16**

The SSF/SSH0683-M is a 6.8 inch color TFT-LCD display with special aspect ratio 6:16 and wide resolution 480 x 1280. It is Litemax's Spanpixel series product which designed for brightness 700 nits with power efficiency LED backlight.

**Key Features**

- Ultra-Wide Screen (6 : 16)
- High Resolution 480x1280
- Brightness 700 nits
- LED Backlight
- PCT(Multi-Touch)
- Wide viewing angle
- Support Touchscreen
- Low Power Consumption



**Specifications**

Model Name	SSF/SSH0683-M
Description	6.8" LCD, 700 nits LED backlight, 480 x 1280
Screen Size	6.8"
Display Area (mm)	60.22 (H) x 160.59 (V)
Brightness (Typical)	700 cd/m2
Resolution	480x1280
Aspect Ratio	6 : 16
Contrast Ratio (Typical)	900 : 1
Pixel Pitch (mm)	0.1255(H) x 0.1255(V)
Pixel Per Inch (PPI)	199
Viewing Angle	160°(H),160°(V)
Color Saturation (NTSC)	84%
Display Colors	16.7M
Response Time (Typical)	25ms
Panel Interface	MIPI
Touch Interface	USB
Input Interface	HDMI
Input Power	USB (DC 5V)
Power Consumption	2.1W( 3.2W with AD Control Bpard )
Dimensions (mm)	66.7 x 181.2 x 8.36
Bezel Size(U/B/L/R)	10.31/10.31/3.24/3.24
Weight (Net)	0.15kg
Operating Temperature	-20°C~70°C
Storage Temperature	-30°C~80°C

**SSF= Panel + LED Driving Board + PCT**

**SSH= Panel + LED Driving Board + AD Control Board + PCT**

Specifications are subject to change without notice.  
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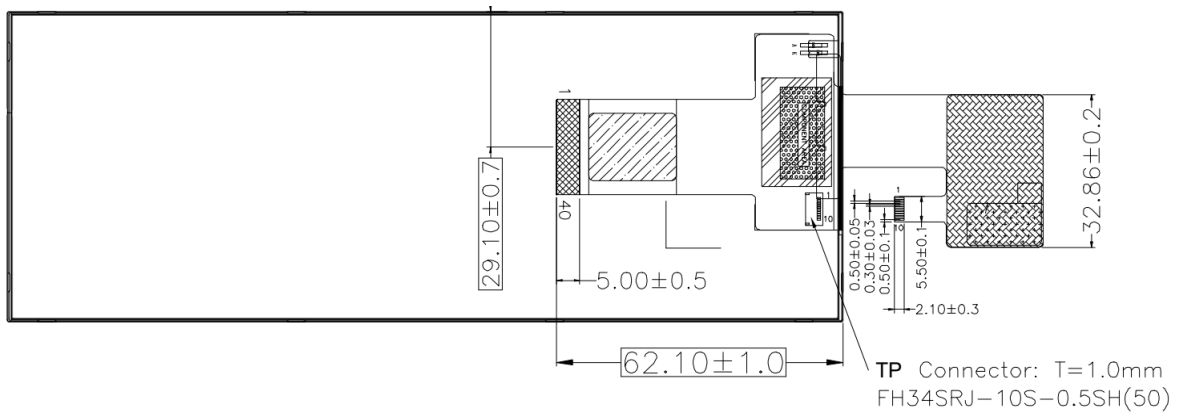
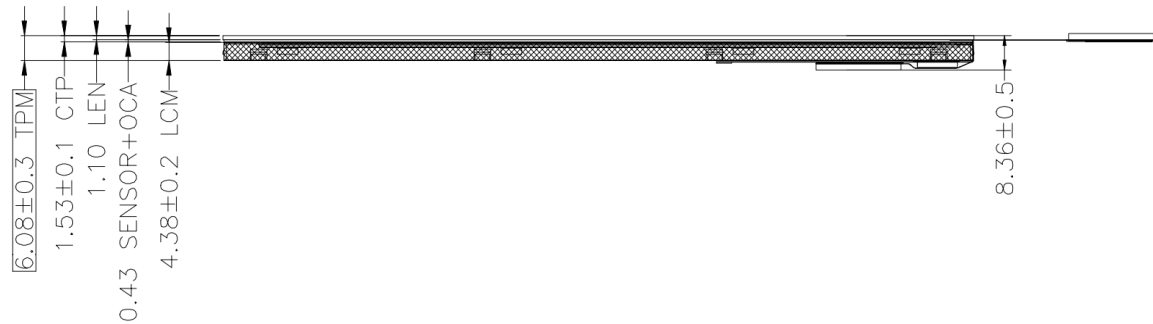
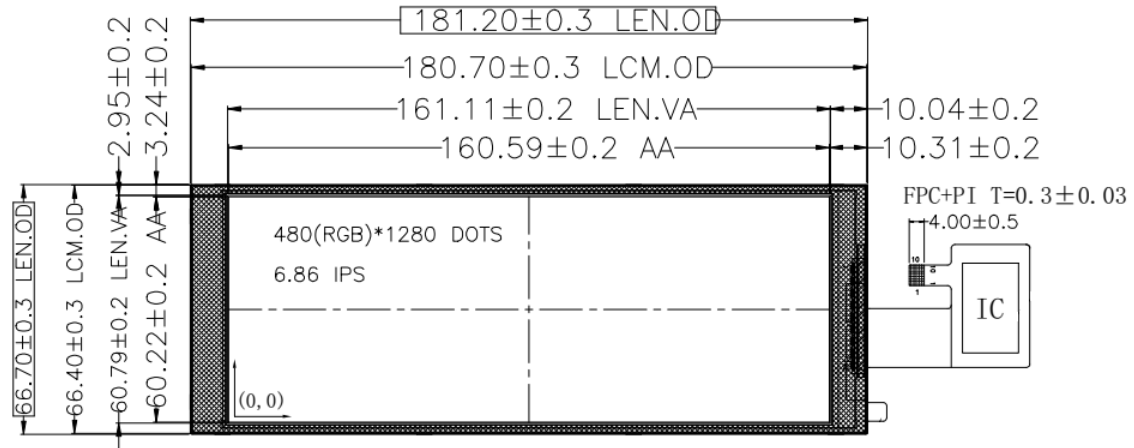


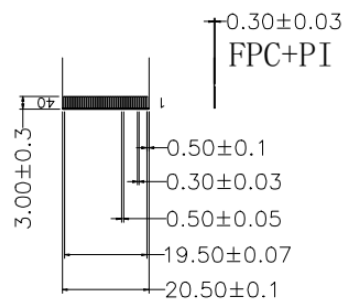
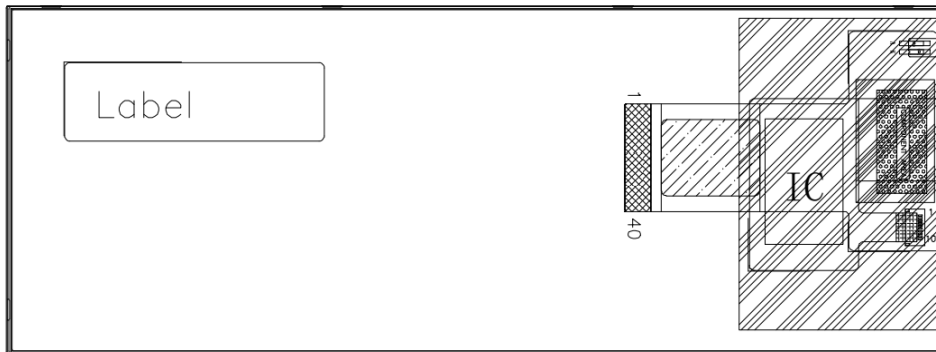
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**Mechanical Drawing**

**Outline Dimensions**

Unit: mm





**LCM\_FPC ZIF**

**FPC 40-Pin Define:**

1	TP_VCC5V	21	GND
2	TP_twistpair -	22	VCC1.8
3	TP_twistpair +	23	VCC1.8
4	TP_GND	24	NC
5	GND	25	NC
6	D3N	26	RSTB1.8
7	D3P	27	CTP_VDD
8	GND	28	GND
9	D2N	29	LEDA
10	D2P	30	LEDA
11	GND	31	CTP_RST
12	CLKN	32	CTP_INT
13	CLKP	33	CTP_SDA
14	GND	34	CTP_SCL
15	D1N	35	LEDK
16	D1P	36	LEDK
17	GND	37	GND
18	D0N	38	VDD3.3
19	D0P	39	VDD3.3
20	GND	40	NC



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**Ordering Information**

Part Number	Description
<b>SSF0683-MTN-A11</b>	6.8", 700nits, 480*1280, T2070, MIPI, PCT T1.5mm, LID on LCM, OCA017, 10in1, V1
<b>SSH0683-MTN-B11</b>	6.8", 700nits, 480*1280, T2070, MIPI, PCT T1.5mm, LID on LCM, AD6911H, OCA017, USB/DC 5V, 10in1, V1

**Optional Accessories**

Part Number	Description
<b>810618301010</b>	CABLE.POWER.AC.1830mm USA type
<b>810618301090</b>	CABLE,POWER,AC,1830mm Europe type
<b>810618301050</b>	CABLE.POWER.AC.1830mm UK type
<b>810618301170</b>	CABLE.POWER,AC,1830mm Australia type
<b>810618301031</b>	CABLE.POWER.AC.1830mm Japan type

**By Customer Request**

Glass	Description
	Tempered glass, AR coating.....

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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