

**TFT PRODUCT SPECIFICATIONS****800RGB x 1280****16.7M Colors****8.0" Diagonal**

Part Number	TM2133SA080C-01
Overall Dimensions	139.64(H) x 211.6(V) x 6.2MAX(T) mm
Active Area	107.64(H) x 172.22(V)mm
Resolution	800 RGB (H) x 1280 (V)
Pixel Size	0.13455(H) X 0.13455(V)mm
Display Colors	16.7M
Display Mode	IPS/Transmissive /Normally Black
LCD Type	a-Si TFT
Contrast Ratio	800:1 (Typ)
Viewing Angles (CR≥10)	80°/80°/80°/80° (Left/Right/Top/Bottom)
View Direction	Viewing angle free
Brightness (I=60mA)	200cd/m <sup>2</sup> (Min)
NTSC	TBD
Driver IC	NT35521Z or EQU
VDD	3.0~3.6V
Interface	4-lane MIPI DSI
Backlight System	21 White LED ,7 in series ,3 in Parallel
Forward Voltage	22.4V(typ)
Forward Current	60mA (typ)
<b>Touch Panel Parameter</b>	
Input Method	Bare or gloved finger
Number of simultaneous touches	10 point
Min. spacing between 2 touches	18mm
Positional Accuracy	+/- 1.0 at center, +/- 2.0 at edge
Minimum Touch Area	30mm <sup>2</sup>
Minimum Touch Pressure	0N
Number of touches	>10 million over lifetime
Connection Type	ZIF Connector
Anti-glare surface	No
Optical Transmittance	>86%
Non-Linearity	≦2.0%
RoHS Compliance	Yes
Contact Resistance	>20Mohm @ DC25V
Power Consumption	50mW
Interface to Host	USB
Response Time/Speed	<15ms
I2C Address	N/A
Touch controller	MXT1188S1 (FW: 2.0.AB)
ESD Capability	15KV Air discharge (TP with lens) 8KV contact discharge(TP with lens)
Operating Voltage	3.3V

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