Santek 7" High Bright HDMI Touchscreen Monitor

Description

The Santek 7" open frame touchscreen monitor SOF0700A1B-US provides users the ability to create integrated projects for leisure hobbyist projects and/or business use, with visual, audio and haptic experience. The 1024 x 600 display is a plug-n-play ready device. It connects to mini computers like raspberry Pi, PCs and other digital devices as a general HDMI monitor, via its mini HDMI port and gets power for display and 5 point multi-touch from its USB-C ports. This device is engineered with an exceptionally high bright display (600 cd/m2), and a variety of features and accessories.
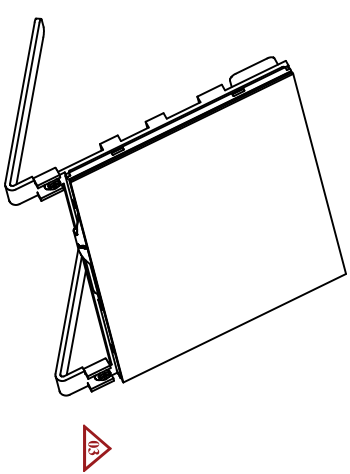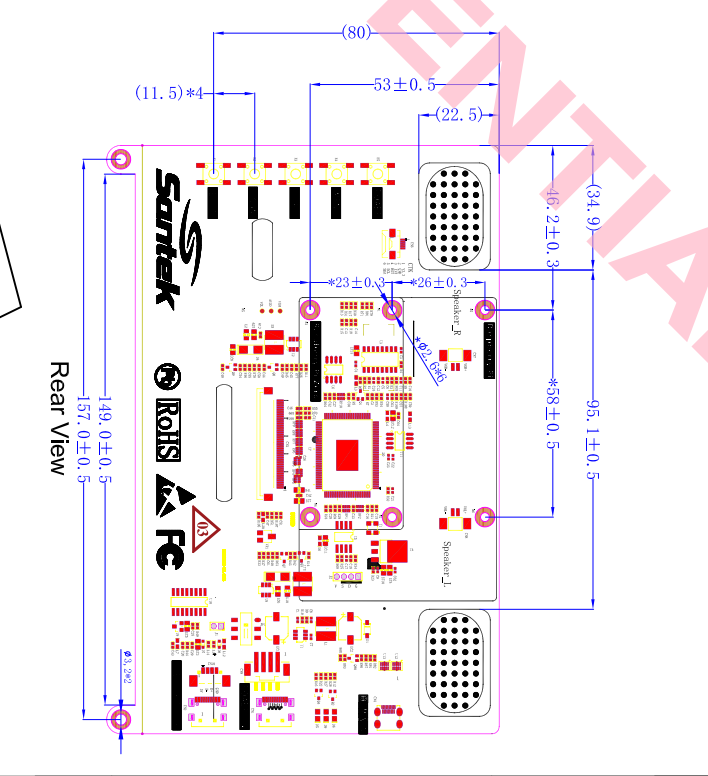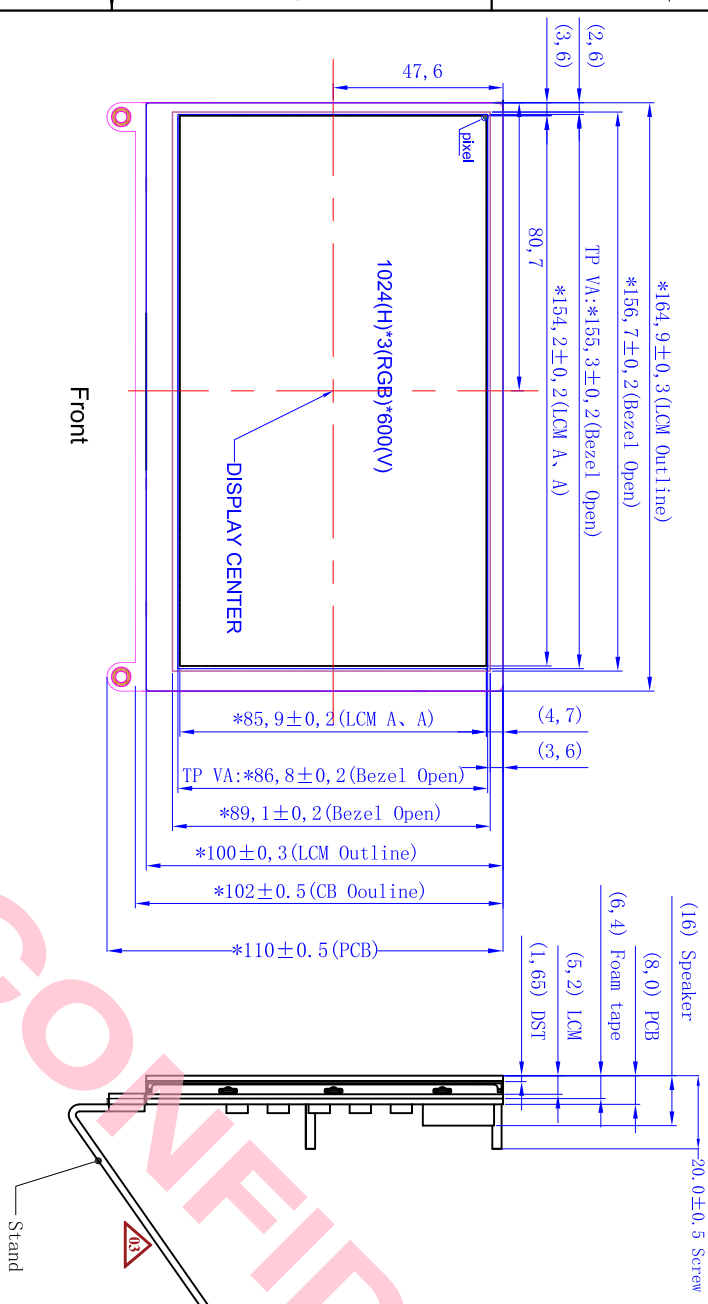

Key Features Comparison: Santek vs other market competitor products

Items	Particulars	Santek SOF0700A1B-US	The Raspberry Pi Touch Display	Other Products
Display	Resolution	1024*600	800*480	varies (800*480/ 1024*600)
	Display mode & viewing angle	IPS (Full viewing angle) 85/85/85/85	TN (narrow)	Varies: TN (narrow)/ IPS (Wide)
	Brightness (cd/m2)	600 (Highest)	Not mentioned	Varies: 250-300
Other Features	Touch Screen	5 point touch	10 point touch	5 point touch
	OSD (On Screen Display) menu	✓	X	Varies (Mostly X)
	On board speaker(s)	2	X	Varies (0 or 2)
	Display signal port	mini-HDMI	DSI	mini-HDMI/ HDMI
	Power port (s)	USB type-C	GPIO	micro-USB
	Raspberry Pi back mounting	✓	✓	Varies (✓ / X)
	Mounting holes	✓	X	Varies (✓ / X)
	Plug-n-play?	✓	Requires physical installation	✓
Accessories	Stand set	Sturdy Metal stand	X	Varies (✓ / X)
	Raspberry PI mounting screw set	✓	✓	Varies (✓ / X)
	Cables	2x USB type-C to USB type A (for display/ touch power); 1x Hdmi- mini HDMI cable		Varies
	Housing	Will be available separately soon	X	Varies (Mostly X)

For technical enquiries, contact: cs@santek.us

NOTE:
1. View Direction:85 / 85 / 85 / 85.
2. Luminance 500cd/m² min,Center Brightness: 600cd/m² (Typ).Uniformity:70% min.
3. CTP Main Parameters:
　3.1 Structure:G+G.
　3.2 Hardness:>6H.
4. CB Main Parameters.
　4.1 Power In :USB TYPE-C Connector,Supply DC 5V/2A Power.
　4.2 USB For Touch:Touch USB TYPE-C connector,Conect CTP with Mainboard.
　4.3 HDMI :HDMI MINI Connector.
　4.4 Speaker (2 Ohm / 8W).
5. Operating Temp.: -10°C~60°C .
6. Storage Temp.: -20°C~70°C.
7. RoHS Compliant.
8. " * " Key dimensions that must inspected.

Front

DISPLAY CENTER

1024(H)*3(RGB)*600(V)

pixel

47,6
80,7

*164,9±0,3(LCM Outline)
*156,7±0,2(Bezel Open)
TP VA:*155,3±0,2(Bezel Open)
*154,2±0,2(LCM A、A)

(2,6)
(3,6)

*85,9±0,2(LCM A、A)
TP VA:*86,8±0,2(Bezel Open)
*89,1±0,2(Bezel Open)
*100±0,3(LCM Outline)
*102±0.5(CB Oouline)
*110±0.5(PCB)

(4,7)
(3,6)

(16) Speaker
(8,0) PCB
(6,4) Foam tape
(5,2) LCM
(1,65) DST

20.0±0.5 Screw

Stand

Rear View

(80)
(11.5)*4
53±0.5
(22.5)
(34.9)
46.2±0.3
*23±0.3
*26±0.3
*58±0.5
95,1±0.5
149,0±0.5
157,0±0.5
φ2,6±0
Speaker_R
Speaker_L
φ3,2±0

RoHS
FC

REV 版本	DESCRIPTION 描述	DATE 日期
A01	FIRST ISSUE	APR-28-2021
A02	Structure Modify	MAY-16-2021
A03	Modify The Stand And LOGO	AUG-06-2021

Santek
San Technology,Inc.

Title: 7 INCH MONITOR

PARTS NUMBER:
产品型号: SOF0700A1B_A03

PARTS CODE:
零件编码: 200000812

DRAWING NO:
图号:

SCALE: 比例	1:1		
SHEET: 页次	1 OF 1		
GENERAL TOL.: 未注公差	±0.3	UNIT单位 mm	
APPROVALS 签字	APP:		DATE 日期
	CHK: Park Zhou Andy		2021.Aug.11
	DWN: wei hui feng		2021-08-09