



FLAT DISPLAY TECHNOLOGY



This product is RoHS compliant

§ BRIEF SPECIFICATION §

FDT Tech Module No: **LP156F001x-FNR**

Description: **15.6" Digital TFT- LCD Module**

SPEC No.: **SAS-1807001**

Version: **1.2**

Issue Date: **November 20, 2020**

※ This specification contains 6 pages including the cover and appendix.



Resistive Touch Panel



Projected Capacitive Touch

Features

- 15.6" (1920x1080) Digital TFT LCD
- Aspect Ratio: 16:9
- Input Signal VGA / DVI-D/ HDMI 1.3a
- Maximum Support Resolution 1920x1080
- Stereo Audio Amplifier, Output 2W@4Ω Speaker
- Audio Line-In
- 5W Resistive Touch Panel / Projected Capacitive Touch (10 Points)
- 5 Key Buttons Control
- 9 Language OSD Menu
- LED Backlight
- Signal Operation Voltage +12V

Applications

- Industrial
- Medical Environment
- Instrument Display
- Kiosk
- Security
- Signage
- Office Electronics
- Home Application
- Educate Application



Specifications

LCD	
Panel Size	15.6"
Resolution (Pixels)	1920x1080
Color	16.2M
Luminance without TP	450 cd/m ²
Luminance (RTP)	351 cd/m ²
Luminance (PCAP)	382.5 cd/m ²
Contrast Ratio	800
View Angle	89(L) / 89(R) / 89(T) / 89(B)
LED Life Time	50K (Min)
Power Requirement	
Power Input (DC Jack 2.1 ϕ)	+12 V _{DC}
Power Consumption@+12V	17 Watts (@Without Amplifier)
Touch Screen	
Resistive Type	USB/RS232 Interface
Resistive Type Support OS	Windows / Linux / DOS / Mac / QNX
PCAP Type	USB Interface
Projected Capacitive Touch Support OS	Windows / Linux

Input Signal				
VGA	D-Sub15			
DVI	DVI-D			
HDMI	1.3a			
Audio				
Amplifier	1W@8 Ω / 2W@4 Ω			
Line-In	Stereo Input Phone Jack ϕ 3.5			
Controls				
Key	5 Buttons			
Serial Remote Control	UART / RS232 (Option)			
Environment				
	Without RTP	5W RTP	PCAP	
Temperature Range	Operating	-20~+70 $^{\circ}$ C	-20~+70 $^{\circ}$ C	-10~+60 $^{\circ}$ C
	Storage	-30~+80 $^{\circ}$ C	-30~+80 $^{\circ}$ C	-20~+70 $^{\circ}$ C
High Temperature & High Humidity (Non-condensing)	Operating	+60 $^{\circ}$ C / 90%	+60 $^{\circ}$ C / 90%	+40 $^{\circ}$ C / 90%

Order Information

Item	LP156F0011-FNR	LP156F001U-FNR	LP156F001R-FNR	LP156F001P-FNR
VGA	⊙	⊙	⊙	⊙
DVI	⊙	⊙	⊙	⊙
HDMI	⊙	⊙	⊙	⊙
Touch Panel Type	-	5W Resistive	5W Resistive	Projected Capacitive Touch
Touch Screen Interface	-	USB	RS232	USB
Audio Amplifier	⊙	⊙	⊙	⊙
Audio Line-In	⊙	⊙	⊙	⊙
5 Keys	⊙	⊙	⊙	⊙
UART Remote Control	⊙	⊙	⊙	⊙
Condition	Standard	Standard	Non-standard	standard

Function	Item	Remark	
Audio	Head Phone Driver (Output)		
Mechanical	Back Cover		
External Key	5 keys		
Serial Remote Control	RS232 (DB9)		
Power Input Connector	Terminal Socket 2P 5.08mm (Male)(on Module) Part No.: 2EHDRM-02P		
	Terminal plug 2P 5.08mm (Female)(For Cable) Part No.: 2ESDVM-02 (FDT No.:LACONN0022-FDR)		Matching Terminal Socket

Note: Special order condition will apply to non-standard items and pls. contact salespersons in FDT.

Accessories (Option)

Before you begin installing the KIT, please make sure that the following materials have been shipped:



A. LASTD12033-FDR



B. LAACD18000-FDR



C. LACABLE068-FDR



D. LACABLE069-FDR



E. LAVGA18000-FDR



F. LAUSB18000-FDR



G. LACABLE045-FDR



H. LACABLE070-FDR



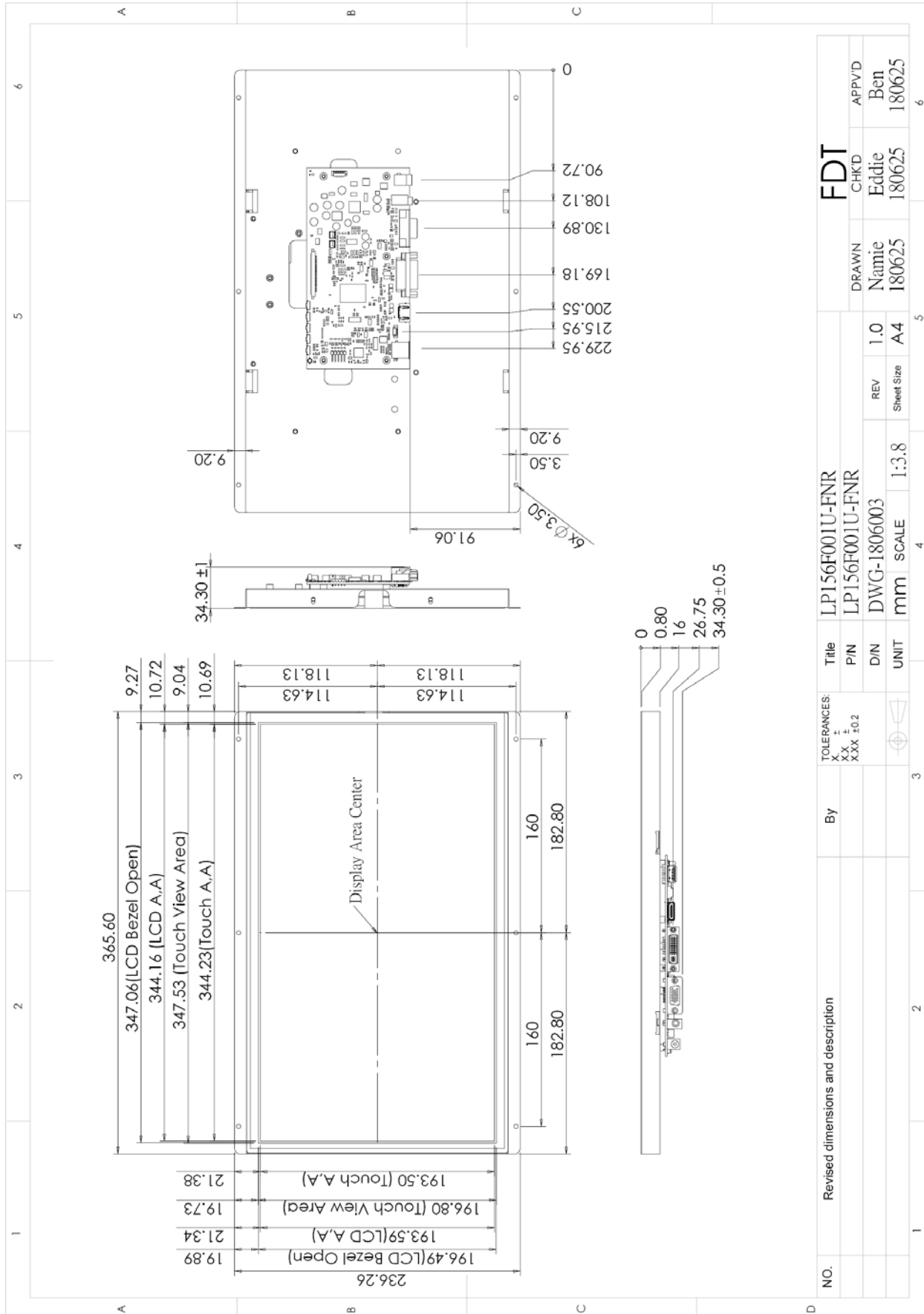
I. LAVCD00002-FDR



J. LASPKR0004-FDR

- A. AC to DC Adapter (L:1500mm,100-240V_{AC} 50-60Hz to +12V_{DC} @ 3.3A, ϕ 2.1)
- B. Power Cord (L:1800mm, Plug Type B for USA)
- C. HDMI Cable (L:1800mm)
- D. DVI Cable (L:1800mm)
- E. VGA Cable (L:1800mm)
- F. USB Cable (L:1800mm)
- G. RS232 Cable (L:1800mm, Null Modem)
- H. AUDIO Cable (L:1800mm)
- I. Touch Screen Driver CD Disk / User Manual
- J. Speaker (2.5W @ 4 Ω L:400mm *2 Pieces)

Dimension



NO.	Revised dimensions and description	By	TOLERANCES:		Title		FDT	
			X ±	XX ±	XXX ±0.2	P/N	LP156F001U-FNR	CHKD
					D/N	DWG-1806003	REV	1.0
					UNIT	mm	Sheet Size	A4
					SCALE	1:3.8	SCALE	A4
							DRAWN	Name
							Eddie	180625
							CHKD	Ben
							APPV/D	180625