

§ BRIEF SPECIFICATION §

● *General Description*

FDT Smart Graphic TFT Module Plus is an unique TFT LCD module which builds graphic and character inside. It provides user to present customized & full color graphics or characters without any SOC or IPC system. In addition, user can update or upload his graphics or characters via Micro SD slot by himself. FDT Smart Graphic TFT Module Plus not only enhances your product values also saves your cost.

Features

- Friendly and Free Development Environment
- Multi-layer design
- Advanced GUI function
- Easy Touch Effects
- Multi-Language (Unicode)
- Easy and fast update image with Micro SD
- Built-in Real Time Clock / Buzzer
- LED Backlight Brightness Control
- RAM Support 16MB / Flash Memory 256MB
- Serial Communication: UART (RS232 Option)
- Low Power Consumption / High reliability

Application

- Industrial Controller
- Medical Equipment
- Security Equipment
- Simple Function Equipment

● Specifications

LCD	
Panel Size	7"
Resolution (Pixels)	800x480
Luminance Without RTP	400cd/m ²
Luminance (RTP)	320 cd/m ²
Contrast Ratio	500
View Angle	70 / 70 / 70 / 50
LED Life Time	20K (Min.)
Touch Screen	
Resistive Type	4W
Storage	
Micro SD Slot	Recommend SDHC
Flash Memory	256M Bytes (Note1)
RAM	16M Bytes (Note2)
Picture Format	
Type	BMP category

Power Requirement			
Power Input (DC Jack 2.1 ϕ)		+5V VDC	
Power Consumption@+5V		3.15 Watts (±15%)	
Controls			
Transmission Interface		UART / RS232 (Duplex Transmission)	
Communication Protocol			
UART Transmission Rate		115200 (max.921600bps) Bps	
Data Bit		8 Bits	
Parity Bit Check		None	
Stop Bit		1 Bit	
Environment			
Temperature Range		Without RTP	4W RTP
	Operating	-20~-+70℃	-10~-+60℃
	Storage	-30~-+80℃	-30~-+80℃
High Temperature & High Humidity (Non-condensing)	Operating	+60℃ / 90%	+40℃ / 90%

Note 1: Storage memory for Icons, Pictures, Fonts and configure (Max storage instruction qty: 98304)

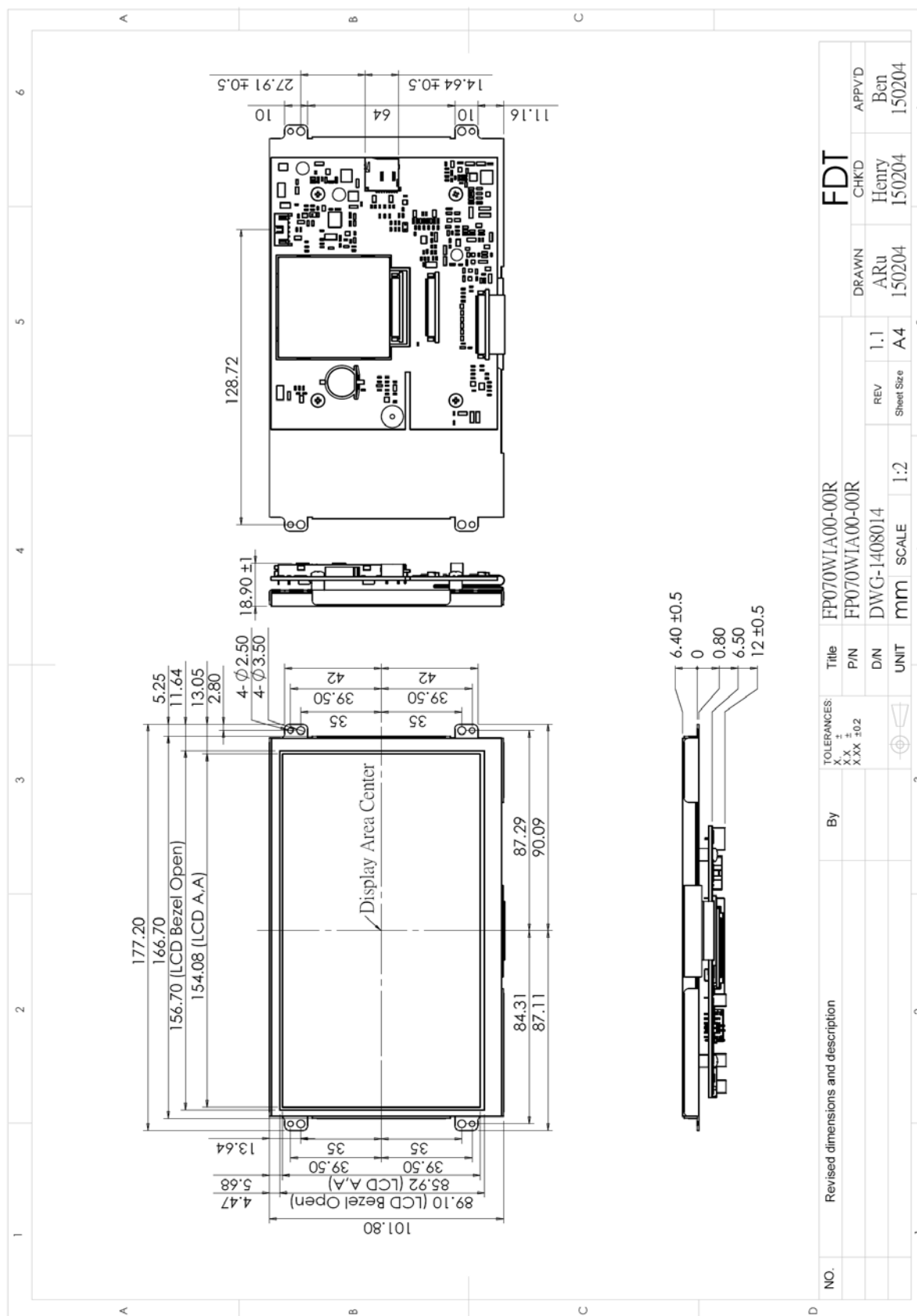
Note 2: GUI cache memory (Max storage instruction qty: 8192)

● Order Information

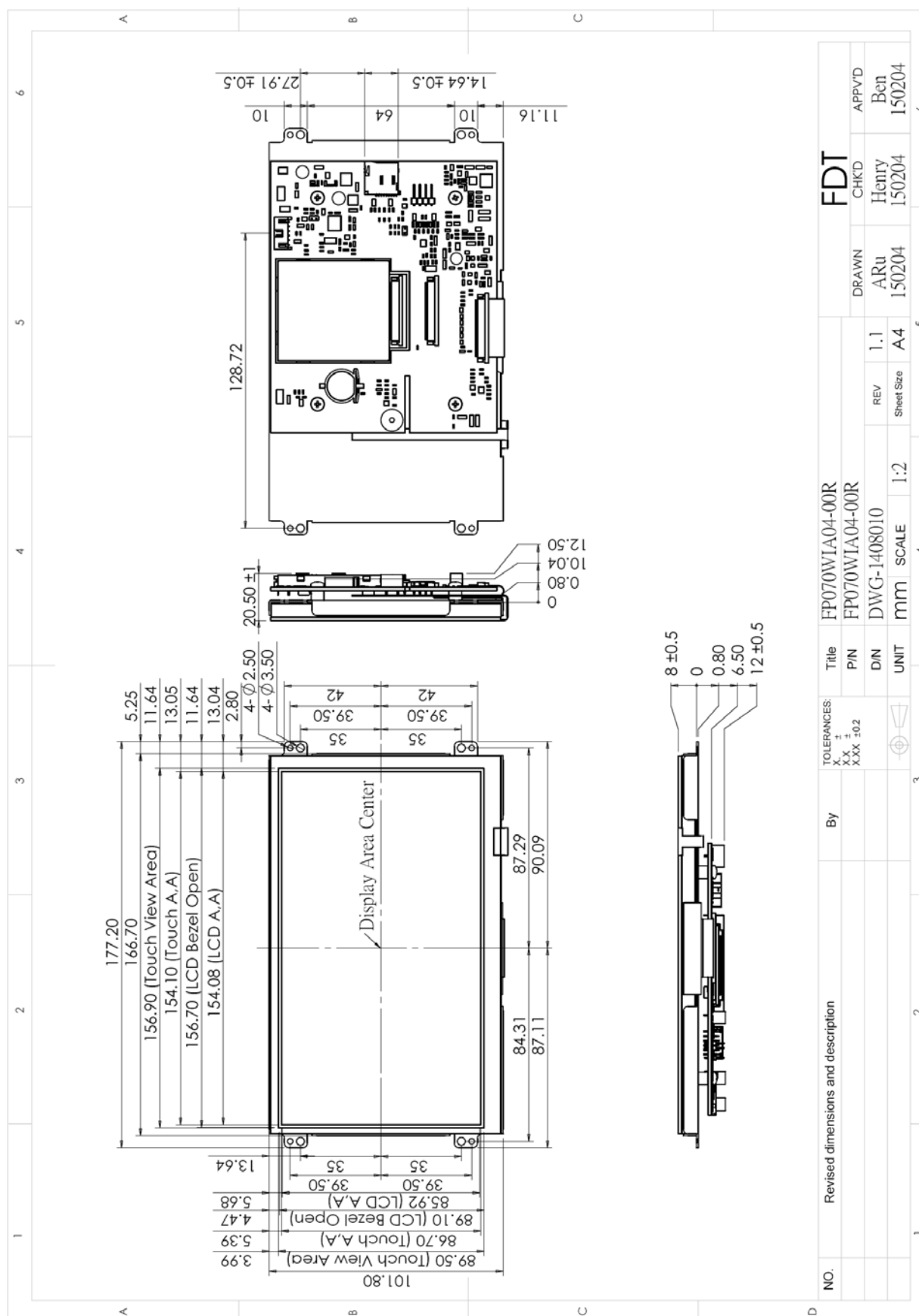
Parameter	FP070WIA00-00R	FP070WIA04-00R	FP070WIB00-00R	FP070WIB04-00R	Unit	Remark
RTC	⊙	⊙	⊙	⊙		
Touch Screen Function	-	4W Resistance	-	4W Resistance		
Buzzer Function	⊙	⊙	⊙	⊙		
Transmission Interface	UART	UART	RS232	RS232		
Condition	Standard	Standard	Non- Standard	Non- Standard		

• Dimension Information

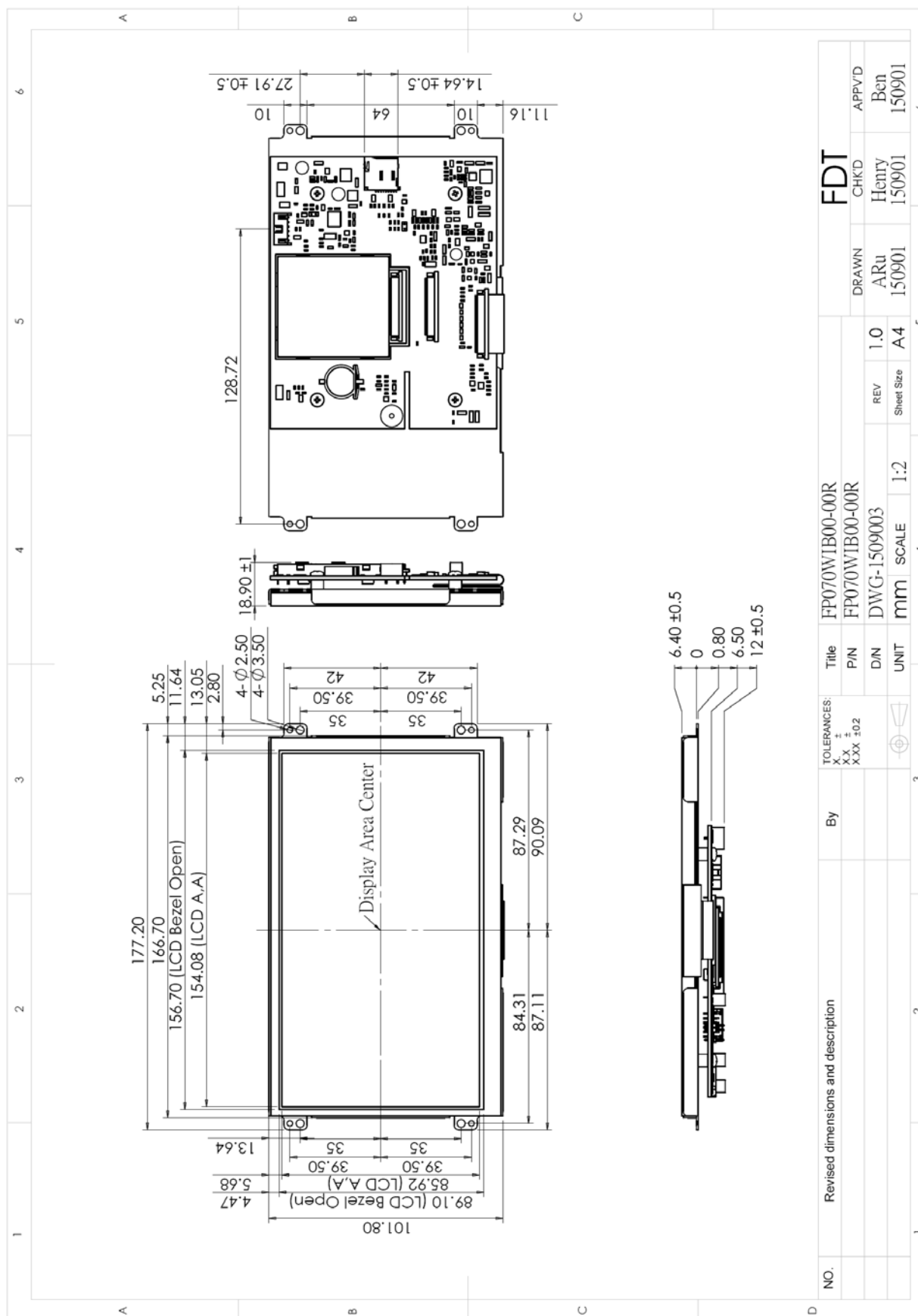
Unit (FP070WIA00-00R)



Unit (FP070WIA04-00R)



Unit (FP070WIB00-00R)



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