

Part Number	9950DPTP035H-01
Overall Dimensions	70.00 (H) x 91.50(V) x5.85(T)mm
Active Area	52.56 (H) x 70.08 (V) mm
Resolution	240RGB (H) x320 (V)
Pixel Size	0.219(H) x 0.219(V)mm
Display Colors	262K
Display Mode	TN, Normally White, Transmissive
LCD Type	a-Si TFT
Contrast Ratio	400:1 (typ)
View Direction	6 o'clock
Grayscale inversion Direction	12 o'clock
Viewing Angles (CR≥10)	Typ 65°/65°/65°/60° (Left/Right/Top/Bottom) Min 60°/60°/60°/55°(Left/Right/Top/Bottom)
Brightness (I _f =20mA)	300 cd/m ² (typ)
NTSC	50%
Driver IC	ST7789S (or Equivalent)
VDD (Power Supply)	2.4~3.3V
Interface	Parallel CPU /SPI/18-Bit RGB(DE mode) interface
Backlight System	6 White LEDs in Series
Forward Voltage	19.2V (typ)
Forward Current	20 mA (typ)
Touch Panel Parameter	
Input Method	Finger or gloved finger
Number of simultaneous touches	One and gesture
Touch controller IC	FT6306
Min. spacing between two touches	18mm
Positional Accuracy	± 2.5mm at 4 edges and 1.5mm at center
Response Time / Speed	<10msec
Minimum Touch Area	30mm ²
Minimum Touch Pressure	0 N
Optical Transmittance	>87%
I2C Address	0X38
ESD Capability	15KV (Air discharge TP with lens)
Interface to Host	I2C
Operating Voltage	VDD=3.3V

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