

5 inch CAN Bus TFT Display with Projected Capacitive Touch

Mechanical Data

Item	Standard Value	Unit
LCD panel	120.7(W) × 75.8(H) × 4.475	mm
PCB	132.7(W) × 75.8(H) × 1.6	mm
Housing outline	NA	mm

General information

Item	Standard Value	Unit
Operating voltage	5	Vdc
Communication Interface	CAN bus differential ± 3.3	Vpp
LCD display size	5	inch
Dot Matrix	800 × 3(RGB) × 480	dot
Module dimension	120.7(W) × 75.8(H) × 4.475	mm
Active area	108(W) × 64.8 (H)	mm
Dot pitch	0.135(W) × 0.135(H)	mm
LCD type	TFT, Normally Black, Transmissive	
View Direction	80/80/80/80	
Aspect Ratio	16 :9	
With /Without TP	With Projected Capacitive Touch Panel (PCAP)	
Surface	Glare	

Absolute Maximum Ratings

Item	Symbol	Min	Typ	Max	Unit
Operating Temperature	TOP	-20	—	+70	°C
Storage Temperature	TST	-30	—	+80	°C

Note: Device is subject to be damaged permanently if stresses beyond those absolute maximum ratings listed above 1. Temp. $\leq 60^{\circ}\text{C}$, 90% RH MAX. Temp. $> 60^{\circ}\text{C}$, Absolute humidity shall be less than 90% RH at 60°C

Electrical Characteristics**Operating conditions**

Item	Symbol	Condition	Min	Typ	Max	Unit
Supply Voltage For Analog	VCI	—	4.75	5	5.5	V
Interface Operation Voltage	IOVCC	—	3.234	3.30	3.367	V
Supply LCM current	ICI(mA)	—	320	350	-	mA

LED driving conditions

Parameter	Symbol	Min.	Typ.	Max.	Unit	Remark
LED current		-	1.0	1.5	mA	
Power Consumption		-	-	27	mW	
LED voltage	VBL+	-	-	18	V	Note 1
LED Life Time		-	50,000	-	Hr	Note 2,3,4