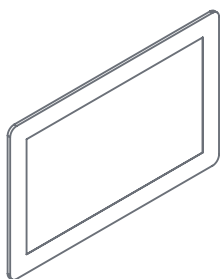


8.0" WIDE LVDS TOUCH DISPLAY

PDC080W-001



Product Overview:

The 8.0" Full HD LVDS touch display, part of the Cevians family of advanced display products, is built for medical and industrial applications requiring clarity and reliability. Delivering 1280x720 resolution and high brightness for readability in challenging environments, it features HDMI input and a responsive touch interface. Easily customizable, it integrates options such as EMI shielding, heater glass, decorative glass, enclosures, and antireflective, antiglare, or oleophobic surface treatments for tailored performance.

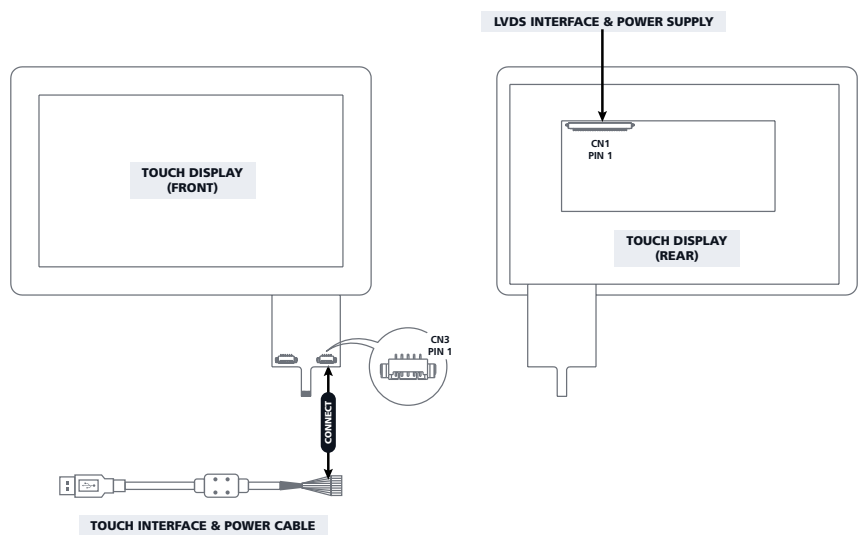
Features

PARAMETER	SPECIFICATION	PARAMETER	SPECIFICATION
Display Size	8.0"	Luminance	1050 (Typ.) cd/m2
Resolution	1280 (W) x RGB x 720 (H)	Touch Panel	Projected capacitive
Viewing Area	177.02mm (W) x 99.58mm (H)	Surface Treatment	Clear
Pixel Pitch	0.1383mm (W) x 0.1383mm (H)	Operating Temperature	-30 ~ 80 °C
Display Type	RGB vertical stripe	Storage Temperature	-30 ~ 80 °C
Display Mode	IPS / Normally Black / Transmissive	Video Input	LVDS
Number of Colors	16.7M	Touch Interface	USB

Electrical Specification

ITEM	VALUES			UNIT	NOTE
	MIN.	TYP.	MAX.		
Supply Voltage	3.0	3.3	3.6	V	
PWM Frequency	100	--	8k	Hz	
PWM Duty	--	--	--	%	
PWM Dimming Voltage	1.6	--	--	V	
	--	--	0.8	V	
Backlight Enable*	--	--	--	V	
	--	--	--	V	
Supply Current	--	213	250	mA	

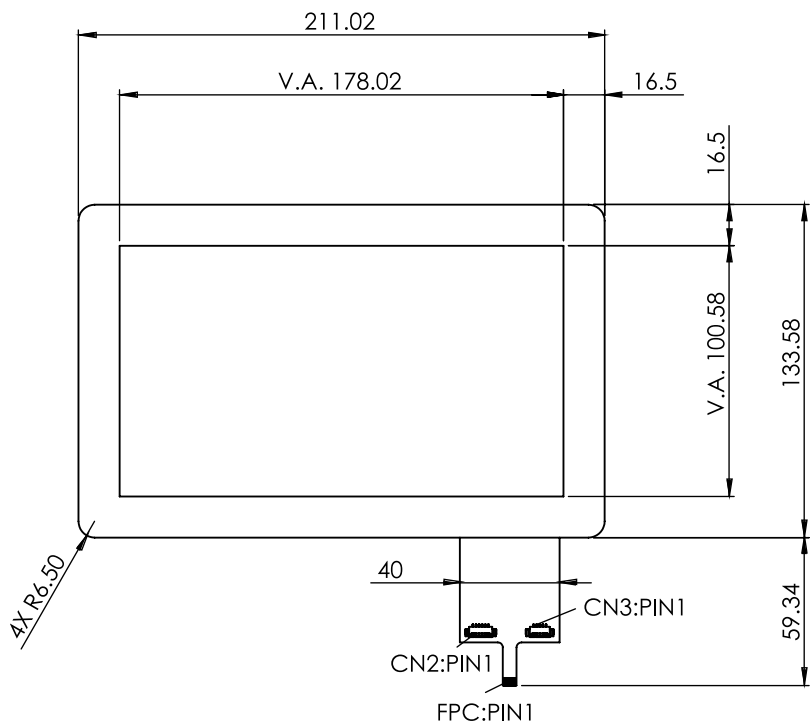
Connection Diagram



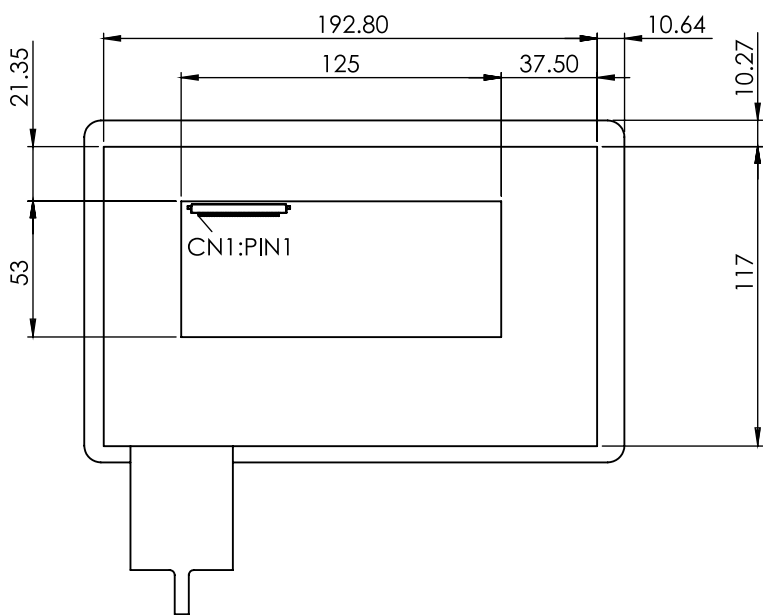
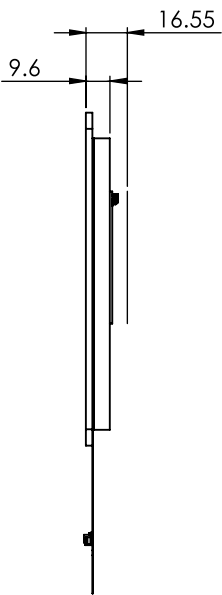
Other Specification

GS-700-550-01: General Specification: Quality, Test Methods, Handling, Storage, Packaging

LCD Mechanical Specification



Front View



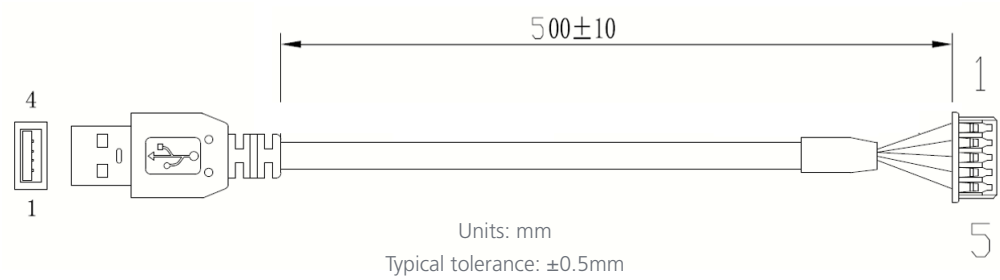
Rear View

Units: mm
Typical tolerance: ±0.5mm



Visit: cevians.com/p/PDC080W-001

Cable Mechanical Specification



Connection Tables

SYSTEM CONNECTORS							
CN1		FPC		CN2		CN3	
JAE FI-X30SSLA-HF-R2500		FPC		MOLEX 0532610671		MOLEX 0532610571	
RECEPTACLE SURFACE MOUNT RIGHT ANGLE 30 POS 1MM		FPC MALE 10 POSITION, 0.5MM PITCH		HEADER SURFACE MOUNT, RIGHT ANGLE 6 POS 1.25MM		HEADER SURFACE MOUNT, RIGHT ANGLE 5 POS 1.25MM	
PIN#	Signal	PIN#	Signal	PIN#	Signal	PIN#	Signal
1	VCC_3.3V	1	GND	1	GND	1	GND
2	VCC_3.3V	2	VDD	2	VDD	2	VDD_USB
3	GND	3	SCL	3	SCL	3	GND
4	GND	4	SDA	4	SDA	4	D+
5	RIN0-	5	INT	5	INT	5	D-
6	RIN0+	6	RESET	6	RESET		
7	GND	7	VDD_USB				
8	RIN1-	8	D+				
9	RIN1+	9	D-				
10	GND	10	GND				
11	RCLK-						
12	RCLK+						
13	GND						
14	RIN2-						
15	RIN2+						
16	GND						
17	RIN3-						
18	RIN3+						
19	GND						
20	GND						
21	VLED_12V						
22	VLED_12V						
23	VLED_12V						
24	VLED_12V						
25	VLED_12V						

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Worldwide Headquarters

Cevians Canada