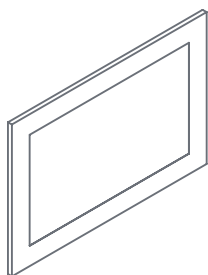


5.0" WIDE HDMI TOUCH DISPLAY

PDC050W-001



Product Overview:

The 5.0" Full HD HDMI touch display, part of the Cevians family of advanced display products, is built for medical and industrial applications requiring clarity and reliability. Delivering 800x480 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.

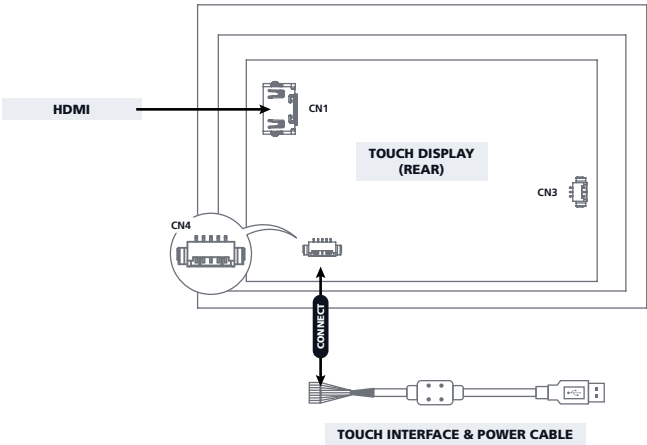
Features

PARAMETER	SPECIFICATION	PARAMETER	SPECIFICATION
Display Size	5.0"	Luminance	850 (Typ.) cd/m2
Resolution	800 (W) x RGB x 480 (H)	Touch Panel	Projected capacitive
Viewing Area	108mm (W) × 64.8mm (H)	Surface Treatment	Clear (7H)
Pixel Pitch	0.135mm (W) x 0.135mm (H)	Operating Temperature	-30 ~ 70 °C
Display Type	RGB vertical stripe	Storage Temperature	-30 ~ 80 °C
Display Mode	IPS / Normally Black / Transmissive	Video Input	HDMI
Number of Colors	16.7M	Touch Interface	USB

Electrical Specification

ITEM	VALUES			UNIT	NOTE
	MIN.	TYP.	MAX.		
Supply Voltage	4.5	5	5.5	V	
PWM Frequency	200	--	200k	Hz	
PWM Duty	--	--	--	%	
PWM Dimming Voltage	2	3.3	5	V	
	--	--	0.8	V	
Backlight Enable*	--	--	--	V	
	--	--	--	V	
Supply Current	--	440	490	mA	

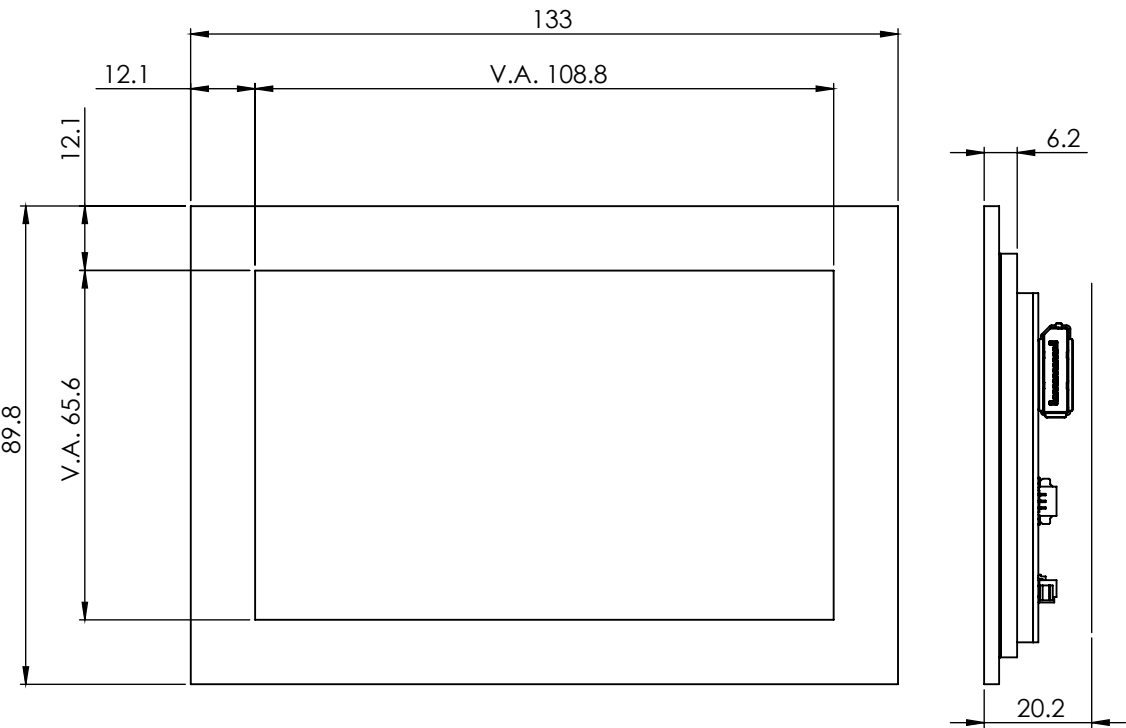
Connection Diagram



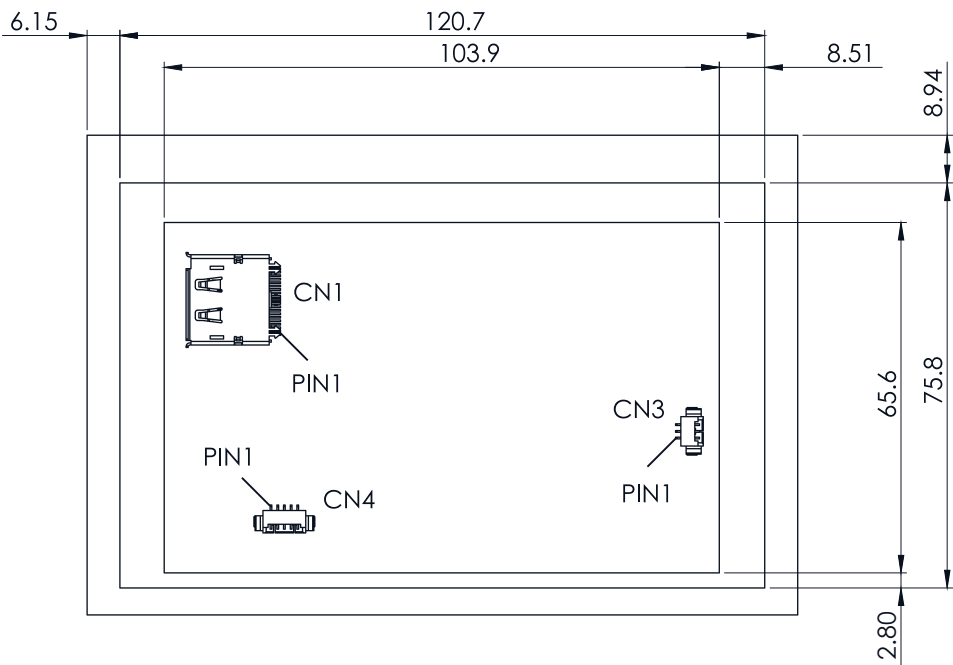
Other Specification

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

LCD Mechanical Specification



Front View



Rear View

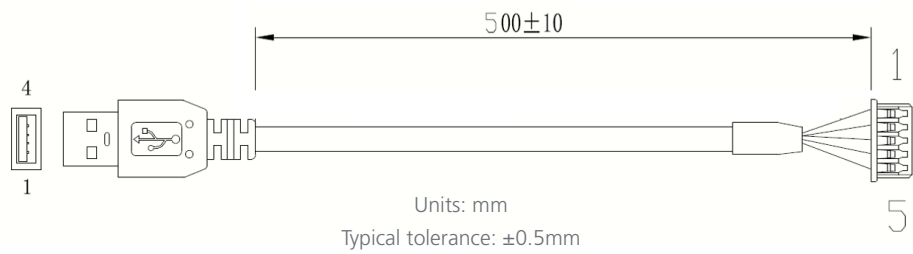
Units: mm
Typical tolerance: $\pm 0.5\text{mm}$



**DOWNLOAD
STEP FILE** 

Visit: cevians.com/p/PDC050W-001

Cable Mechanical Specification



Connection Tables

SYSTEM CONNECTORS					
CN1		CN3		CN4	
AMPHENOL ICC 10029449-111RLF		MOLEX 0532610371		MOLEX 0532610571	
HDMI A TYPE RIGHT ANGLE FEMALE		HEADER RIGHT ANGLE 3 POSITION 1.25MM MALE		HEADER RIGHT ANGLE 5 POSITION 1.25MM MALE	
PIN#	Signal	PIN#	Signal	PIN#	Signal
1	TMDS 2+	1	GND	1	GND-EARTH
2	GND	2	PWM	2	VDD_5V
3	TMDS 2-	3	NC	3	GND
4	TMDS 1+			4	D+
5	GND			5	D-
6	TMDS 1-				
7	TMDS 0+				
8	GND				
9	TMDS 0-				
10	TMDS CLK+				
11	GND				
12	TMDS CLK-				
13	NC				
14	NC				
15	DDC_SCL				
16	DDC_SDA				
17	GND				
18	HD_5V				
19	HPD				
MATING CONNECTORS					
GENERIC		MOLEX 0510210300		MOLEX 0510210500	
HDMI A TYPE, PLUG		RECEPTACLE 3 POSITION 1.25MM FEMALE		RECEPTACLE 5 POSITION 1.25MM FEMALE	