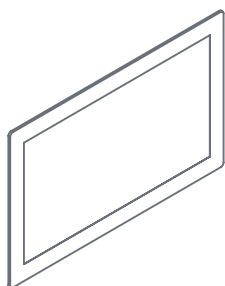


15.6" WIDE HDMI TOUCH DISPLAY

PDC156W-001



Product Overview:

The 15.6" 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 1920x1080 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.



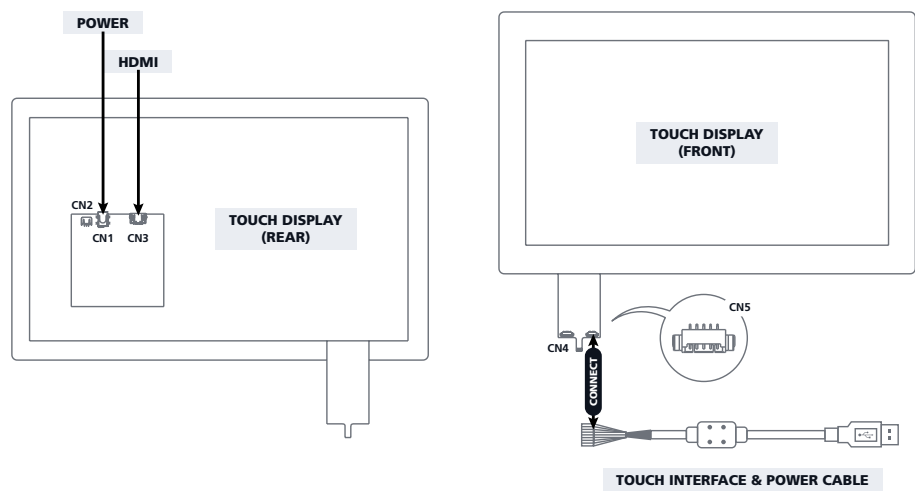
Features

PARAMETER	SPECIFICATION	PARAMETER	SPECIFICATION
Display Size	15.6"	Luminance	850 (Typ.) cd/m2
Resolution	1920 (W) x RGB x 1080 (H)	Touch Panel	10 points transparent projected capacitive
Viewing Area	344.16mm (W) x 193.59mm (H)	Surface Treatment	Clear
Pixel Pitch	0.17925mm (W) x 0.17925mm (H)	Operating Temperature	-20 ~ 70 °C
Display Type	RGB vertical stripe	Storage Temperature	-30 ~ 80 °C
Display Mode	Normally Black	Video Input	HDMI
Number of Colors	16.7M	Touch Interface	USB

Electrical Specification

ITEM	VALUES			UNIT	NOTE
	MIN.	TYP.	MAX.		
Supply Voltage	11	12	13	V	
PWM Frequency	100	--	10k	Hz	
PWM Duty	17	--	100	%	<17%=OFF
PWM Dimming Voltage	3.3	--	8	V	
	--	0.3	--	V	
Backlight Enable*	--	--	--	V	
	--	--	--	V	
Supply Current	--	1400	1500	mA	

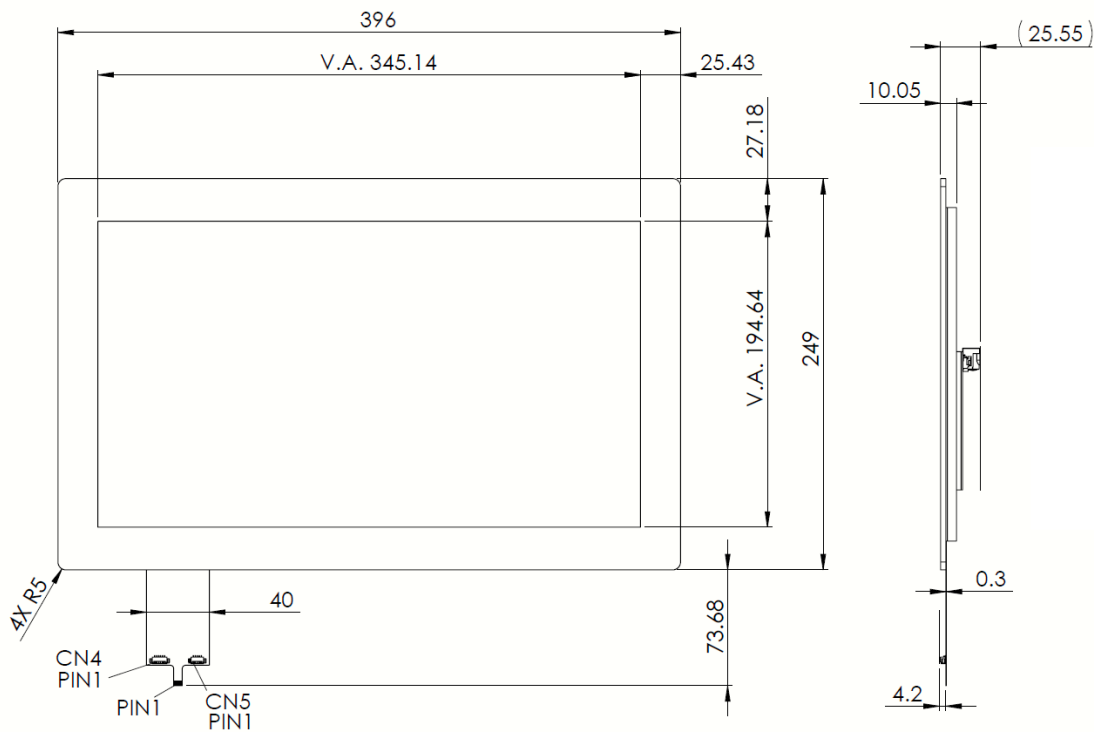
Connection Diagram



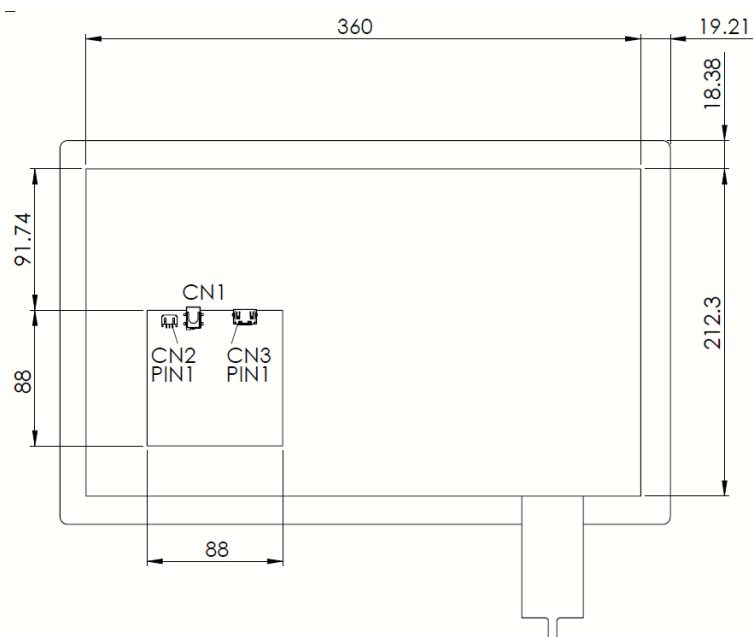
Other Specification

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

LCD Mechanical Specification



Front View



Rear View

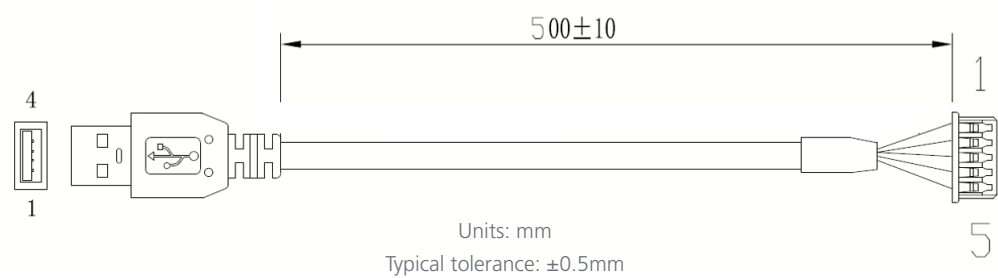
Units: mm

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



Visit: ceviants.com/p/PDC156W-001

Cable Mechanical Specification



Connection Tables

SYSTEM CONNECTORS											
CN1		CN2		CN3		CN4		CN5		FPC	
SAME SKY PJ-002AH-SMT-TR		JST S3B-PH-SM4-TB		AMPHENOL ICC 10029449-111RLF		MOLEX 0532610671		MOLEX 0532610571		FPC	
2MM ID/5.5MM OD DC JACK BARREL		HEADER, SURFACE MOUNT, RIGHT ANGLE, 3 POS 2MM		HDMI A TYPE RIGHT ANGLE FEMALE		HEADER SURFACE MOUNT, RIGHT ANGLE 6 POS 1.25MM		HEADER SURFACE MOUNT, RIGHT ANGLE 5 POS 1.25MM		FPC, MALE, 10 POS, 0.5MM PITCH	
PIN#	Signal	PIN#	Signal	PIN#	Signal	PIN#	Signal	PIN#	Signal	PIN#	Signal
1	12V	1	GND	1	TMDS 2+	1	GND	1	GND-EARTH	1	GND
2	GND	2	PWM	2	GND	2	VDD	2	VDD_5V	2	VDD
		3	N.C.	3	TMDS 2-	3	SCL	3	GND	3	SCL
				4	TMDS 1+	4	SDA	4	D+	4	SDA
				5	GND	5	INT	5	D-	5	INT
				6	TMDS 1-	6	RESET			6	RESET
				7	TMDS 0+					7	VDD_5V
				8	GND					8	D+
				9	TMDS 0-					9	D-
				10	TMDS CLK+					10	GND
				11	GND						
				12	TMDS CLK-						
				13	N.C.						
				14	N.C.						
				15	DDC_SCL						
				16	DDC_SDA						
				17	GND						
				18	HD_5V						
				19	HPD						
MATING CONNECTORS											
KOBICONN 171-PA5521-1E		JST PHR-3		GENERIC		MOLEX 0510210600		MOLEX 0510210500		MOLEX 5034801000	
2.1MM ID/5.5MM OD DC JACK PLUG		HOUSINGS RECEPTACLE 3 POS 2MM		HDMI A TYPE PLUG MALE		HOUSINGS RECEPTACLE 6 POS 1.25MM		HOUSINGS RECEPTACLE 5 POS 1.25MM		SURFACE MOUNT, FPC CONNECTOR, 10 POS, 0.5MM PITCH	